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## **Rwanda**

*SDG 3 – Good Health and Well-Being*

*Environmental chemistry*

*SDG 9 – Industry, Innovation and Infrastructure*

*Electrochemical sensors*

Designing a three-dimensional CoFe<sub>2</sub>O<sub>4</sub> cross-frame wrapped with carbon nanotubes for monitoring the environmental pollutant nitrobenzene

In this study, the group employed a catalytic system derived from a zeolitic imidazolate framework (ZIF), comprising carbon nanotube-wrapped CoFe<sub>2</sub>O<sub>4</sub> with a modified 3D cross morphology. The seamless transition between ionic valence states in CoFe<sub>2</sub>O<sub>4</sub> contributes to enhanced material conductivity, illustrating a significant synergistic coupling effect. The 3D matrix has the capacity to generate a greater number of active sites and exhibit a high surface area. The generation of nanotubes provides additional channels for electron transport, thereby improving the charge transfer efficiency and enhancing the electrochemical sensing capability of the system. doi.org/10.1016/j.ceramint.2024.06.364 (IPICS RWA:01)

*SDG 3 – Good Health and Well-Being*

*Water chemistry*

*SDG 6 – Clean Water and Sanitation*

Analysis of potentially toxic heavy metal contamination in the Lake Bogoria geothermal springs

Lake Bogoria geothermal system is a natural geological site in Kenya that boasts a habitat for Flamingos which attract tourists, and its water find applications in agriculture and recreation. Accordingly, its geological processes, closed water systems and anthropogenic activities may lead to accumulation of potential toxic metal contamination. The present study focused on the analysis of potentially toxic metals -manganese (Mn), cadmium (Cd), lead (Pb), copper (Cu) and nickel (Ni) using atomic absorption spectrometry (AAS) in geothermal spring water samples after acid digestion method, and evaluated their health risks through dermal and ingestion exposures. Principal component analysis (PCA), enrichment factors (EF) and Pearson correlation coefficient (PCC) were performed to determine the sources and correlation between the metals investigated. link.springer.com/article/10.1007/s44339-024-00003-9

(IPICS RWA:01)

*SDG 9 – Industry Innovation and Infrastructure*

*Cosmology*

Structure and evolution of the universe

The group investigated cosmological perturbations of  $f(G)$  gravity in the presence of a scalar field. Using the 1+3 covariant formalism, they presented the energy overdensity perturbation equations responsible for large scale structure formation. They reported that the energy overdensity perturbations decay with increase in redshift. They concluded that their results reduce to general relativity (GR) in the limit of  $f(G) \rightarrow G$  and in the absence of scalar field. This field of research investigates whether modifications to General Relativity (through  $f(G)$  gravity) can explain large-scale cosmic structures and expansion differently from standard GR, potentially providing insights into dark energy and the evolution of the universe.

(IPPS RWA:01)

(IPPS EAARN)

*SDG 9 – Industry Innovation and Infrastructure*

*Astrophysics*

Space weather forecasting

*Atmospheric physics*

A project evaluated the progress of Solar Cycle 25 through solar radio observations and their associations with solar transients, including solar flares, coronal mass ejections (CMEs), and solar energetic particles (SEPs). Their findings indicate that type II bursts can serve as early indicators of ionospheric disturbances, particularly in terms of the total electron content (TEC) index. The source origin of type II bursts contributes to radio blackouts and polar cap absorption events. Their study also established a correlation between solar radio bursts (SRBs) and geomagnetic storms, confirming that SRBs are potential forecasting tools for geomagnetic disturbances. Overall, the study highlighted SRBs as key indicators of space weather, emphasising their importance in forecasting ionospheric disturbances, geomagnetic































































## 2.3 Staff in supported activities

**Table 4.** Gender proportion of staff members/network member. The average values 2008-2013 and 2014-2019 are given, and the values in 2020, 2021, 2022, 2023 and 2024. Percent values are followed by the numbers of women (F) in relation to the total in each year category.

Indicator	2008-2013	2014-2019	2020	2021	2022	2023	2024
g) Gender proportion of staff.	<b>ISP total</b> 18% F	<b>ISP total</b> 23% F	<b>ISP total</b> 22% F (214/978)	<b>ISP total</b> 20% F staff (191/968)	<b>ISP total</b> 22% F staff (217/981)	<b>ISP total</b> 23% F staff (226/983)	<b>ISP total</b> 29% F staff (266/918)
	Chemistry 28%	Chemistry 29%	Chemistry 30% (94/313)	IPICS 31% (80/261)	IPICS 31% (98/312)	IPICS 33% (107/321)	IPICS 35% (111/315)
	Mathematics 12%	Mathematics 19%	Mathematics 17% (58/332)	IPMS 14% (57/407)	IPMS 17% (59/356)	IPMS 17% (62/356)	IPMS 15% (45/273)
	Physics 12%	Physics 18%	Physics 19% (62/271)	IPPS 18% (54/300)	IPPS 19% (60/313)	IPPS 18% (54/252)	IPPS 16% (50/165)

## 2.4 Students in supported activities

### PhD and MSc students

**Table 5.** Gender proportions and numbers of students. The yearly averages 2008-2013 and 2014-2019 are given, and the values for 2020, 2021, 2022, 2023 and 2024. Percent values are followed by the numbers of women (F) in relation to the total in each category.

Indicator	2008-13	2014-19	2020	2021	2022	2023	2024
h1) Gender proportion of all post-graduate students.	ISP total 23% F PhD 27% F MSc	ISP total 27% F PhD 33% F MSc	ISP total 31% F PhD (155/496) 43% F MSc (276/635)	ISP total 27% F PhD (190/699) 36% F MSc (258/718)	ISP total 29% F PhD (180/626) 29% F MSc (202/696)	ISP total 29% F PhD (168/584) 35% F MSc (260/745)	ISP total 31% F PhD (173/566) 36% F MSc (221/611)
	Chemistry 34% F PhD 36% F MSc	Chemistry 34% F PhD 41% F MSc	Chemistry 40% F PhD (61/153) 46% F MSc (77/169)	Chemistry 37% F PhD (71/192) 48% F MSc (106/220)	Chemistry 35% F PhD (76/220) 40% F MSc (115/290)	Chemistry 33% F PhD (67/202) 38% F MSc (101/263)	Chemistry 36% F PhD (65/182) 45% F MSc (98/220)
	Mathematics 16% F PhD 19% F MSc	Mathematics 21% F PhD 31% F MSc	Mathematics 24% F PhD (38/160) 47% F MSc (77/164)	Mathematics 15% F PhD (30/186) 26% F MSc (62/236)	Mathematics 16% F PhD (28/175) 24% F MSc (51/215)	Mathematics 17% F PhD (29/168) 26% F MSc (42/160)	Mathematics 14% F PhD (26/186) 20% F MSc (29/148)
	Physics 16% F PhD 19% F MSc	Physics 22% F PhD 27% F MSc	Physics 31% F PhD (56/183) 40% F MSc (122/302)	Physics 33% F PhD (78/235) 34% F MSc (90/262)	Physics 32% F PhD (76/231) 40% F MSc (114/285)	Physics 34% F PhD (72/214) 36% F MSc (117/322)	Physics 41% F PhD (82/198) 39% F MSc (95/243)

**Table 6.** The average number of **PhD and MSc graduations** per year 2008-2013 and 2014-2019, and the yearly number in 2020, 2021, 2022, 2023 and 2024.

Indicator	2008-13	2014-19	2020	2021	2022	2023	2024
q) Number of PhD graduations per year (% of women)	27 (17% F)	70 (29% F)	94 (35% F)	69 (29% F)	98 (30% F)	75 (21% F)	84 (27% F)
p) Number of MSc graduations per year (% of women)	103 (24% F)	201 (31% F)	234 (43% F)	215 (35% F)	232 (41% F)	209 (33% F)	220 (35% F)

### 2.4.1 PhD graduations

The PhD graduations listed below. Students reported by chemistry groups and networks (IPICS) are given first, followed by those reported for mathematics (IPMS) and physics (IPPS). The entries are given essentially as submitted to ISP. "Sandwich" are by students with intermittent visits to a collaborating supervisor in another country. (F = female; M= male).

ISP programme	Group/Network	Gender	Name	Title of thesis	Country	Sandwich/Local
IPICS	ANCAP	F	Hassan Aziza	Aquatic and public health problems associated with marine microalgae in Tanzania	Tanzania, graduated in Norway	Sandwich
IPICS	ANEC	F	Bibata OUEDRAOGO	Elaboration de plateformes électrochimiques à base d'électrodes de graphène induits par laser (LIGE) pour l'analyse de la dopamine et de l'acide urique dans les fluides biologiques	Burkina Faso	Local
IPICS	ANEC	F	BOUGNA TCHOUMI Honorine H.	Development of two amperometric sensors applied to the detection of ceftriazone and butylhydroxyanisole	Cameroon	Local
IPICS	ANEC	M	Imaila DIEDHIOU	Development and characterization of chemical sensors based on conductive polymer films for the detection of heavy metal ions and nitrites in water	Senegal	Sandwich
IPICS	ANEC	M	Matar NIANG	Use of polypyrrole and nanocomposites based sensors for water treatment: a fluorimetric study of copper and adsorption for chromium removal	Senegal	Local
IPICS	ANEC	M	PECHEU NKEPDEP Chancellin	Amperometric sensors based on natural smectite or modified by silver nanoparticles for the selective and simultaneous electrochemical detection of adrenaline and tyrosine	Cameroon	Local
IPICS	ANEC	M	POUANGAM NGALANI Gilles	Production and amendment of biochar from coffee husk and cocoa pod husk on an acid soil from West Cameroon: Effects on soil chemical properties and phosphorus sorption/desorption	Cameroon	Sandwich
IPICS	ANEC	F	Riham Zayani	Bioplateformes opto-électrochimiques pour la détection des ARNs	Tunisia	Sandwich
IPICS	ANEC	F	SIEUGAING TAMWA Mary	Nanobiocomposites d'oxydes (Al/Fe) modifiant une électrode à pâte de carbone pour le stockage d'énergie et l'électroanalyse de trois colorants anioniques (méthylorange, rouge alizarin et rouge Congo)	Cameroon	Local
IPICS	ANEC	M	W. Hazael Conania NIKIEMA	Research into secondary metabolites with high anti-diabetic potential from two plants acclimatized in Burkina Faso: <i>Cassia occidentalis</i> and <i>Leptadenia hastata</i>	Burkina Faso	Local
IPICS	BUF:01	M	Jonas Mano	Extraction et identification de composés à propriétés biocides: glucosinolates et flavonoïdes des parties aériennes de <i>Cleome gynandra</i> L.	Burkina Faso	Local
IPICS	BUF:01	M	Nabomo Hien	Interactions intermoléculaires et complexation de flavonoïde: analyses in vitro de la capacité antioxydante et spectroscopie UV-vis de mélanges binaires	Burkina Faso	Local

IPICS	BUF:02	M	Ousmane TAPSOBA	Electrochemical investigations of a monolayer hybrid (organic-inorganic) for aluminum alloy protection against corrosion	Burkina Faso	Local
IPICS	BUF:02	M	Régis Dimanche OUEDRAOGO	Contribution to the implementation of a lateritic material in the treatment of groundwater contaminated by arsenic	Burkina Faso	Local
IPICS	RABiotech	M	Adékambi Désiré ADEYEMI	Caractérisation et valorisation d'ingrédients alimentaires locaux pour l'alimentation du poisson-chat ( <i>Clarias gariepinus</i> ) au Bénin	Benin	Sandwich
IPICS	RABiotech	M	AKPODE Corentin	Evaluation du biostimulant à base de combinaison de souches indigènes de champignons mycorhiziens à arbuscules ( <i>Glomeraceae</i> ) sur la production et la qualité du maïs ( <i>Zeamays L.</i> ) au centre du Bénin	Benin	Sandwich
IPICS	RABiotech	M	Aleke Job Chinagorom	Dynamics of mould infestation and mycotoxin contamination of smoke-dried cocoyam chips during storage	Nigeria	Sandwich
IPICS	RABiotech	F	Apondi Maurine	Response of potato mutants to bacterial wilt ( <i>Ralstonia solanacearum</i> ) strains in Kenya	Kenya	Sandwich
IPICS	RABiotech	F	BOUGOUSSARE Nourapao Rachelle H	Valorisation des graines et huiles de <i>Polgala multiflora</i> Poiret	Burkina Faso	Local
IPICS	RABiotech	F	CHEPKEMOI EMMY RUTO	Bioassay and response of pyrethrum ( <i>Chrysanthemum cinerariifolium</i> ) genotypes to pathogenic fungi in Kenya	Kenya	Sandwich
IPICS	RABiotech	F	COULIBALY GNELLE ASSITA	Evaluation de la relation entre les pratiques alimentaires, le profil du microbiote intestinal et l'état nutritionnel des nourrissons de zéro à neuf mois en Côte d'Ivoire	Ivory Coast	Sandwich
IPICS	RABiotech	M	Demba DEMBELE	Caractérisation des souches d' <i>Escherichia coli</i> , <i>Salmonella</i> spp et <i>Staphylococcus aureus</i> isolées des aliments de rue à Bamako	Benin	Sandwich
IPICS	RABiotech	F	Flora Tinouadé F LALEYE ACCALOGOUN	Valorisation des ressources alimentaires locales dans la réduction de la malnutrition modérée chez les jeunes enfants et anémie chez les femmes en âge de procréer au Bénin	Benin	Sandwich
IPICS	RABiotech	M	FOKOUO Kouamé Elie	Amélioration de la conservation post-production des lamelles des fruits du manguier ( <i>Mangifera indica L. var. Kent</i> ) séchées produites au nord de la Côte d'Ivoire	Ivory Coast	Sandwich
IPICS	RABiotech	M	HIEN Alain	Evaluation de l'éducation nutritionnelle sur les pratiques alimentaires des enfants de moins de 5 ans en 2017 chez les mères en zones périurbaines de Bobo-Dioulasso	Burkina Faso	Local
IPICS	RABiotech	F	Itubochi Calista Odinachi	Valorization of agro-forestry wastes through cultivation of traditional edible mushrooms	Nigeria	Sandwich
IPICS	RABiotech	F	KONAN GBE AYA JACQUELINE	Usages alimentaires des pulpes des fruits de trois plantes sauvages ( <i>Adansonia digitata</i> , <i>Parkia biglobosa</i> , <i>Tamarindus indica</i> ): Caractérisation biochimique, sensorielle et optimisation de l'acceptabilité des principaux mets dérivés	Ivory Coast	Sandwich
IPICS	RABiotech	M	KONKOMBO Anderson	Traitement des eaux brutes destinées à la consommation humaine par coagulation avec des extraits de plantes locales	Burkina Faso	Local
IPICS	RABiotech	F	LYDIA CHEPKOECH KIMNO	SCREENING elite cassava lines for their response to cassava mosaic and brown streak viruses	Kenya	Sandwich
IPICS	RABiotech	M	M. ALAO Tokumbo Luckman	Effet du biostimulant à base de champignons mycorhiziens arbusculaires indigènes sur le rendement du maïs au Nord-Bénin et évaluation de son coût de production	Benin	Sandwich
IPICS	RABiotech	F	OUEDRAOGO Elisabeth Rakisewendé	Caractéristiques biochimiques, technologiques et nutritionnelles du soja cultivé au Burkina Faso	Burkina Faso	Local

IPICS	RABiotech	M	Victor MUSI MUSITIA	Evaluation of physicochemical functional sensory characteristics of three Irish potato varieties developed through gamma irradiation	Kenya	Sandwich
IPICS	RABiotech	M	YAO Konan Kouakou Toussaint	Caractéristiques biochimiques, nutritionnelles et optimisation de production de nectar à base du fruit de la liane goïne ( <i>Saba senegalensis</i> ) au Burkina Faso	Burkina Faso	Local
IPICS	UGA:02	F	Ruth Mbabazi	Copolymerization of CO <sub>2</sub> with epoxides using heterogeneous Zn based catalysts	Uganda	Local
IPICS	ZIM:02	M	Donald Tapfuma	Toxicological effects and distribution of selected heavy metal species in areas surrounding ASGM activity in the Matabeleland region with primary focus on aquatic systems	Zimbabwe	Local
IPMS	AAU	M	Ashenafi Awraris	Multilevel mixed integer linear programming problems: branch-and-cut optimization approach	Ethiopia	Local
IPMS	AAU	M	Biadiglign Asmare Alamneh	Weak idempotent nil-neighbor rings	Ethiopia	Local
IPMS	AAU	M	Demessie Ergabus Birmechu	Zero free regions for fractional hypergeometric zeta functions	Ethiopia	Local
IPMS	AAU	M	Markos Fissaha Yimer	Integral equations and inequalities with refinements of some classical results	Ethiopia	Sandwich
IPMS	AAU	M	Mekonnen Mamo Elema	The theory of BH-Lattices	Ethiopia	Local
IPMS	AAU	M	Tamiru Abera Bayesa	On the structural properties of ordered weak idempotent rings	Ethiopia	Local
IPMS	AAU	M	Zebene Girma Tefera	New existence results on group divisible designs and 3-GDDs	Ethiopia	Local
IPMS	APREA	F	Agnella Nemuo Mandia	Estimation of retention threshold and effects of peer dependence in decentralized insurance schemes	Tanzania, graduated in Kenya	Local
IPMS	BURK:01	M	KIEMA Mohamado	Étude qualitative d'équations à retard et modélisation d'un coup franc en football	Burkina Faso	Local
IPMS	BURK:01	M	KOUYATE Boubacar Sidiki	Modèle épidémiologique stochastique pour l'étude de maladies à transmissions vectorielles	Mali	Sandwich
IPMS	BURK:01	F	Mariam Bourama TRAORE	Contribution à l'étude d'équations intégrales-différentielles: Existence et attractivité de solutions faibles	Mali	Sandwich
IPMS	BURK:01	M	NAPO Micailou	Etude d'une classe d'équations du second degré et solutions C <sub>n</sub> -pseudo presque périodiques et C <sub>n</sub> -pseudo presque automorphes	Burkina Faso	Local
IPMS	BURK:01	M	OUEDRAOGO Innocent	Etude de la stabilité de quelques problèmes de type Timoshenko et de type Rayleigh avec retard	Burkina Faso	Local
IPMS	BURK:01	M	OUEDRAOGO Yassia	Etude de problèmes anisotropiques non linéaires continus et discrets	Burkina Faso	Local
IPMS	BURK:01	M	SABA Désiré	Etude de la stabilité de quelques problèmes d'évolution avec retard distribué et / ou dépendant du temps	Burkina Faso	Local
IPMS	BURK:01	M	YAMEOGO Claude	Contribution à l'étude de la convergence en loi et de la vitesse de convergence des processus stochastiques hilbertiens.	Burkina Faso	Local
IPMS	EAALG/EAUMP-MAK	M	Brian Makonzi	Computing the Artin Component using Reconstruction	Uganda	Sandwich

IPMS	EAUMP-MAK	M	Anguzu Collins	Mathematical methods for computing centrality measures based on powers of the adjacency matrix for large networks	Uganda	Local
IPMS	EAUMP-MAK	M	Wycliff Ssebunjo	Brain Tumor Origin Localization via Iterative Methods	Uganda	Local
IPMS	EAUMP-UDSM	M	Anthony Thobias	Analysis of the impacts of direct and Indirect drivers on Terrestrial Vertebrates Biodiversity Loss in Tanzania	Tanzania	Local
IPMS	EAUMP-UDSM	M	Shega Mayila	On a nation as a topological space	Tanzania	Local
IPPS	AFSIN	M	Abade Ange-Boris N'guessan	Development of a technique for indenting biological cells: Application to red blood cells infected by Plasmodium falciparum	Ivory Coast	Local
IPPS	AFSIN	M	Marius Ipo Gnetto	Lensless on-line digital holography microscopy technique for phase reconstruction of transparent samples free from twin image-induced noise	Ivory Coast	Sandwich
IPPS	AFSIN	M	Sylvere Bienvenue Dion	3D imaging for the volume study of microscopic objects; alternative to deconvolution in brightfield and near infrared microscopy diffractive tomography	Ivory Coast	Sandwich
IPPS	AFSIN	M	Yatana Adolphe Gbogbo	Optimization of a telespectrometer for aerial fauna: application to the identification and classification of insects produced by garbage dumps	Ivory Coast	Local
IPPS	AFSIN	M	Léonard T. OUEDRAOGO	Green synthesis characterization and nonlinear absorption study of silver copper nanoparticles	Burkina Faso	Local
IPPS	AFSIN	M	Andrew Atiogbe HUZORTEY	Optical spectroscopic analysis of honey from agro-ecological zones of Ghana	Ghana	Local
IPPS	AFSIN/ KEN:04	F	Annah Moraa Ondieki	Utilization of a portable Raman spectrometer in rapid assaying of growth and testosterone hormones in blood	Kenya	Local
IPPS	AFSIN/ KEN:04	F	Carolyne Jeptoo	Application of surface-enhanced Raman spectroscopy and chemometrics in total aflatoxin detection and quantification in an alcoholic beverage	Kenya	Local
IPPS	AFSIN/ KEN:04	M	Charles Ndung'u Ndegwa	Rapid Screening of Pesticide Residues Using Vibrational Spectroscopy, Ab Initio Calculations, and Machine Learning: A Case Study on Chlorothalonil	Kenya	Local
IPPS	AFSIN/ KEN:04	M	Elijah Kipngetch Cheruiyot	Remotely Sensed Soil Moisture in Hydrological Simulation of Lake Victoria Catchment	Kenya	Local
IPPS	BAN:04	M	S M Abdur Razzak	Use of Different Electrical Impedance Methods to study stomach activity non-invasively	Bangladesh	Local
IPPS	BAN:04	M	Syed Akram Hossain	Study of radiation induced peripheral neuropathy of cancer survivors	Bangladesh	Local
IPPS	BUF:01	M	Adrien SANEMBAYE	Numerical study of heat transfers in closed enclosures (2D and 3D)	Chad	Local
IPPS	BUF:01	M	Gilbert Ohindemi YAMEOGO	Study of heat transfers in porous media: Application to construction materials based on raw earth	Burkina Faso	Local
IPPS	BUF:01	F	Ramatou SARE	3D modeling of the influence of electron losses at the junction on the performance of a polycrystalline silicon PV cell under multispectral illumination	Burkina Faso	Local
IPPS	BUF:01	M	Salifou CISSE	Study of hygrothermal transfers in a porous plate exchanger: air cooling in hot and dry climate	Burkina Faso	Local

IPPS	EAARN	M	Albert Munyeshyaka	Cosmological Studies in Modified Gauss-Bonnet Gravity	Rwanda, graduated in Uganda	Sandwich
IPPS	ETH:01	M	Eninges Asmare	Aggregation-dictated photophysics of conjugated polymers	Ethiopia	Local
IPPS	ETH:01	M	Mohammed Mahmud	Exploring non-equilibrium thermodynamics and quantum fluctuations: perspectives from spin-1 systems in NMR	Ethiopia	Local
IPPS	KEN:01/2	M	Kennedy K.Killel	Application of natural radioactivity as radiotracer for sediment transport studies in Mombasa, Kenya	Kenya	Sandwich
IPPS	MAL:01	M	Aboubacar Sidiki Kanté	Simulation numérique d'un mini centrale hybride Solar/Eolien/diesel	Mali	Local
IPPS	MAL:01	F	Bakamba dite Djeneba Sacko	Energy audit of domestic photovoltaic installations in Bamako	Mali	Local
IPPS	MAL:01	F	Bintou Bamba	Evaluation de la dose d'entrée de surface des patients examinées aux rayons X	Mali	Local
IPPS	MAL:01	M	Mody Sow	Impact de la variabilité climatique sur les ressources en eau dans le delta central du Niger	Mali	Local
IPPS	MSSEESA/ TAN:01/2	M	Haji Faki Haji	Investigation of the effects of co-doping, and multilayer structures, on the thermochromic properties of vanadium dioxide based thin films for smart windows applications	Tanzania	Local
IPPS	MSSEESA/ UGA:01	M	Edward Bwayo	Characterization of spectral parameters of Zinc sulphide/Silver coated on glass at different deposition angles	Uganda	Local
IPPS	RWA:01	F	Ange Cynthia Umuhire	Characterization of coronal mass ejections using solar radio bursts	Rwanda	Local
IPPS	UGA:02	M	Phillip Opio	Validation of 350 km effective height of the ionosphere for the equatorial low latitude region of East Africa	Uganda	Local

### 2.4.2 Other postgraduate theses

The MSc, MPhil and Lic graduations listed below. Students reported by chemistry groups and networks (IPICS) are given first, followed by those reported for mathematics (IPMS) and physics (IPPS). The entries are given essentially as submitted to ISP. "Sandwich" are by students with intermittent visits to a collaborating supervisor in another country. (F = female; M= male).

ISP programme	Group/Network	Gender	Given name, Family name	Title of thesis	Home country	Sandwich/Local
IPICS	ANCAP/RWA:01	M	Aboubakar Dukundimana	Effects of cage fish farming on water and sediment quality in Lake Kivu, Rwanda	Rwanda	Local
IPICS	ANCAP/RWA:01	F	Ange Umutoni	Evaluation of lime capacity as alternative solution for water and wastewater treatment	Rwanda	Local
IPICS	ANCAP/RWA:01	M	Cyriaque Ngoboka	Evaluation of changing loads on the performance of a laboratory scale horizontal flow constructed wetlands treating domestic wastewater	Rwanda	Local
IPICS	ANCAP/RWA:01	M	Emmanuel Nzayisenga	Assessment of Ibuprofen and acetaminophen residues in hospital waste water in Rwanda	Rwanda	Local
IPICS	ANCAP/RWA:01	M	Jean Bosco Bizimana	Assessment of heavy metals in hospital waste and dumpsites in Rwanda	Rwanda	Local
IPICS	ANCAP/RWA:01	M	Jean Bosco Ntamuturanyi	Assessment of pesticides residues in cabbage, eggplant and tomatoes in western province of Rwanda	Rwanda	Local
IPICS	ANCAP/RWA:01	F	Marie Goreth Uwiragiye	Magnetic charcoal from waste wood as an adsorbent for organic pollutants from wastewater,	Rwanda	Local
IPICS	ANCAP/RWA:01	M	Olivier Bamurange	Assessment of pesticides residues in Rwandan honey from Eastern Province of Rwanda	Rwanda	Local
IPICS	ANCAP/RWA:01	M	Philbert Sewabeza	Removal of inorganic pollutants contained in leachate using modified cellulose extracted from sawdust	Rwanda	Local
IPICS	ANCAP/RWA:01	F	Yvette Mukashyaka	Investigation on the removal of environmental chlorophenol derivatives by using mango husks adsorbent	Rwanda	Local
IPICS	ANEC	M	Barakissa KONFE	Development of clay-based electrochemical sensors for the detection of pharmaceutical products: the case of paracetamol	Burkina Faso	Local
IPICS	ANEC	F	FOMINI FOKOUE NJUIMEGNE Serena Danielle	Amperometric sensor based on lamellar double hydroxide doped with europium and metal acid for application to the detection of methyl benzimidazole-2-ylcarbamate (carbendazime)	Cameroon	Local
IPICS	ANEC	M	FONGANG FOTSING Leonel Barcel	Synthesis and characterization of a Double Lamellar Hydroxide modified by a neutral polymer (brij 35): Application to the electrochemical detection of Pb <sup>2+</sup> ions	Cameroon	Local
IPICS	ANEC	M	FONKOU ZONDEGOUNBA Wilfried Gildas	Study of steel corrosion in acidic geopolymer extracts	Cameroon	Local

IPICS	ANEC	F	KOMGUEP NOGUEM Flora Corine	Electrochemical sensor based on zinc oxide nanoparticles and mesoporous silica for the electroanalysis of diclofenac	Cameroon	Local
IPICS	ANEC	M	LEUTCHI EKEU Landry Wilfried	Development of a vitreous carbon electrode based on Guinea fowl eggshell: characterizations and application to the electroanalysis of Paraquat in aqueous solution	Cameroon	Local
IPICS	ANEC	F	MAKENGUE NGUEKO Yvanne Peguy	Synthesis of a ferromagnetic material (Fe <sub>3</sub> O <sub>4</sub> ) and application to the electroanalysis of two pesticides: diuron and thiabendazole	Cameroon	Local
IPICS	ANEC	F	MANEKEU TEKENG Priscilia Keline	Simultaneous determination of diclofenac and caffeine by a glassy carbon electrode modified with soybean dregs biochar impregnated with eriochrome black T	Cameroon	Local
IPICS	ANEC	M	MBOUMO ZOBOU Boris	Electroanalysis of caffeic acid on a carbon paste electrode in the absence and presence of thiosulfate ions	Cameroon	Local
IPICS	ANEC	M	Moussa NDIAYE	Study of mixed activated carbon composite based on datanut/polyaniline for manganese removal in aqueous solution	Senegal	Local
IPICS	ANEC	F	NGAMI Therance	Study of the inhibitory efficacy of a formulation extracted from onion peels + ZnSO <sub>4</sub> on the corrosion of C35 steel in 0.5M HCl medium	Cameroon	Local
IPICS	ANEC	F	NTANHANING MEDONJEU Morel Brinda	Development of an electrochemical method for evaluating antioxidant properties based on the CUPRAC method	Cameroon	Local
IPICS	ANEC	F	Sokhna NDOYE	Electroanalysis of organophosphorus pesticides based on carbon nanotubes functionalized with benzene tricarboxylic acid layers to support binanoparticlesCuAg	Senegal	Local
IPICS	ANEC	F	TCHANA MVOGO Carla Fabiene	Synthesis and characterization of a composite based on smectite and carbon nanotubes: Application to the electroanalysis of Paraquat.	Cameroon	Local
IPICS	ANEC	F	TOMOU-MBAHIM Grace Ingrid	Influence of the incorporation of soda-treated sawdust particles into a geopolymer matrix on compressive strength: Application to cobalt(II) sequestration	Cameroon	Local
IPICS	ANRAP	F	Rojina Devkota	Determination of antidiabetic activity of osyris lanceolata hochst & steud on nSTZ induced type 2 diabetic rats	Nepal	Local
IPICS	ANRAP	F	Sabina Panth	Determination of antidiabetic activity of Elaeocarpus angustifolius on nSTZ induced type 2 diabetic rats	Nepal	Local
IPICS	BAN:05	M	Ali Akbor	Preservative investigation in some gastrointestinal herbal drugs	Bangladesh	Local
IPICS	BAN:05	M	Mahfuzur Rahman	Metal toxicity assessment in some gastrointestinal disorder treating herbal medicines	Bangladesh	Local
IPICS	BAN:05	M	Md Atikur Rahman	Evaluating the adverse health effect of energy stimulating herbal drugs (Vigodex and jincent) collected from Rajshahi City, Bangladesh	Bangladesh	Local
IPICS	BAN:05	M	Md. Nazmul Hosain Zihad	Microbial contamination assessment in some gastrointestinal disorder treating herbal medicines	Bangladesh	Local
IPICS	BAN:05	M	Md. Shahjalal Islam	Adulteration investigation of some anti- diabetic herbal drug	Bangladesh	Local
IPICS	BOL:01	F	Magdalena Cordero Quispe - Licentiate	Extraction of Essential Oil from Zingiber officinale (Zingiberaceae) and Schkuhria pinnata (Asteraceae) and Its Repellent Effect Against Ceratitis capitata (Diptera: Tephritidae) Using Six-Choice Olfactometry	Bolivia	Local
IPICS	BOL:01	F	Mariela Ajhuacho Villalobos – Licentiate	Preference for pollen resources used by four species of stingless native bees (Apidae: Meliponini) in the Chaco of Chuquisaca: quality or quantity	Bolivia	Local





IPICS	UGA:01	F	Aida Nanyonjo	Levels, profile and exposure of polybrominated diphenyl ethers (PBDEs) in Leptoptilos crumenifer and Gallus gallus domesticus from a waste disposal site in Kampala	Uganda	Local
IPICS	UGA:02	M	John Ssekatawa	Direct oxidative carboxylation of olefins with CO <sub>2</sub> using Fe based POMOFs	Uganda	Local
IPICS	UGA:02	F	Maurice Ayebazibwe	CO <sub>2</sub> and epoxide coupling using Mn based POM-MOFs	Uganda	Local
IPICS	UGA:02	F	Resty Nazziwa	Direct conversion of CO <sub>2</sub> into carbamates using Co based POM-MOFs	Uganda	Local
IPICS	ZIM:01	M	NGONI CHAKANZA	An investigation of fungal endophytes from Combretum species and their antimycobacterial activities	Zimbabwe	Local
IPMS	BURK:01	M	Adam Abdoulaye Issa	Etude numériked'un contrôle optimal pour l'évitement des conflits aeriens	Niger	Local
IPMS	BURK:01	M	Adamou Mahaman Samaila	Caractérisation des hypersurfaces nulles normalisées satisfaisant à $Lx=Ux+b$ dans l'espace de Lorentz- Minkowski	Niger	Local
IPMS	BURK:01	M	Arzika Bassirou	Données de Panel et Chaîne de Markov à temps discret pour la suivie de la pauvreté	Niger	Local
IPMS	BURK:01	F	BA Fatoumata Binta	Synthèse d'observateurs: applications à quelques modèles biologiques	Senegal	Local
IPMS	BURK:01	M	Brahim Maiga Abbas	Simulation numérique de la remontée des déchets radioactifs enfouis	Niger	Local
IPMS	BURK:01	M	COMPAORE Aristide Arnaud	Équations structurées en Biologie	Burkina Faso	Local
IPMS	BURK:01	M	DABRE Tobignaré	Étude de solutions renormalisées d'un problème	Burkina Faso	Local
IPMS	BURK:01	M	FALL Cheikh	Observateur numérique d'intervalle: application	Senegal	Local
IPMS	BURK:01	M	MARONE Saliou	Sur la contrôlabilité et l'observabilité des équations	Senegal	Local
IPMS	BURK:01	M	Michel Elegbede Olonroto Bienvenu	Resolution et simulation numérique de l'équation d'Allen Cohn dans le cas bi-dimensionnel	Niger	Local
IPMS	BURK:01	M	Moussa Seydou Chamsoudine	Introduction à la géométrie de l'information	Niger	Local
IPMS	BURK:01	M	NIANG Pape Mactar	Infection	Senegal	Local
IPMS	BURK:01	M	OUEDRAOGO Oumarou	Modélisation mathématique et numérique de mouvements de foule	Burkina Faso	Local
IPMS	BURK:01	M	OUEDRAOGO Paul	Problème abstrait de Cauchy et Equations d'évolution	Burkina Faso	Local
IPMS	BURK:01	M	OUEDRAOGO Saïdou	Exemples de contrôles de systèmes linéaires conservatifs en dimensions quelconques	Burkina Faso	Local
IPMS	BURK:01	M	OUEDRAOGO Salifou	Contrôle optimal des processus de diffusion et contrôlabilité approchée d'une classe d'équations intégrodifférentielles stochastiques neutres impulsives non linéaires à retard infini dans un espace de Hilbert séparable.	Burkina Faso	Local
IPMS	BURK:01	M	Peter Chola Nkandu	A un modèle de pêche discret	Senegal	Local
IPMS	BURK:01	M	Saidou Yayé Bilal	Algorithmes de Riez sur les groupes réticulés	Niger	Local
IPMS	BURK:01	M	SAVADOGO Sidpasamdé	Aux dérivées partielles linéaires	Burkina Faso	Local
IPMS	BURK:01	M	Siragi Dounounou Harouna	Etude comparative des modeles perceptron multi couche et gradient boosting trees	Niger	Local
IPMS	BURK:01	M	Sitou Ousmane Maman Salissou	Identification de l'état initial de l'équation de Burgers en dimension un d'espace	Niger	Local

IPMS	BURK:01	M	SORE Yssa	Équations différentielles stochastiques neutres fractionnaires de type Caputo mixte avec impulsions et retard variable (EDSNFI)	Burkina Faso	Local
IPMS	BURK:01	F	THIAW Fatou	Mathematical analysis of predator-prey model	Senegal	Local
IPMS	BURK:01	M	Zakary Dan Azumi Ali	Sous-variétés d'une variété pseudo-riemannienne dorée	Niger	Local
IPMS	BURK:01	M	ZORE Issoufou	Dynamique d'un modèle déterministe et d'un modèle stochastique généralisé d'une épidémie avec vaccination et traitement	Burkina Faso	Local
IPMS	EAALG	M	Etienne Karinganire	Group classification of nonlinear heat equations	Rwanda	Local
IPMS	EAALG/ APREA	M	Martin Iriboneye	Some properties of undirected Bruhat graphs of some Coxeter graphs	Rwanda	Local
IPMS	EAUMP-MAK	F	Maturu Luijah	On the irreducible representation of symmetric groups $S_6$ and $S_7$	Uganda	Local
IPMS	EAUMP-UDSM	M	Boniface Zacharia Naaly	Mathematical modelling of the effects of vector control, treatment and mass awareness on the transmission dynamics of dengue fever.	Tanzania	Local
IPMS	EAUMP-UDSM	M	Christopher Meshack	Development of Algorithm for Hospitals/Residents problem using Heuristic method of Optimization: Case study of Dar es Salaam Hospitals	Tanzania	Local
IPMS	EAUMP-UDSM	M	Denis Mihayo	An investigation on a linear extension of posets	Tanzania	Local
IPMS	EAUMP-UDSM	M	Dickson Bahaye	An age structured model for transmission dynamics of pneumonia with optimal control of treatment and proper nutrition	Tanzania	Local
IPMS	EAUMP-UDSM	F	Fatma Mohamed Issa	An investigation of f-contraction maps in nonlinear analysis	Tanzania	Local
IPMS	EAUMP-UDSM	M	James David	Mathematical modelling of HIV/AIDS and Cryptococcal Meningitis	Tanzania	Local
IPMS	EAUMP-UDSM	M	John Joseph	Statistical modelling of the socio-economic status on the students' performance in basic mathematics in Dar es Salaam. A case of Ubungo and Temeke Municipalities	Tanzania	Local
IPMS	EAUMP-UDSM	M	Juma Mudathiru Hassan	An investigation of some generalized contractions in nonlinear analysis	Tanzania	Local
IPMS	EAUMP-UDSM	M	Petro Samwel Bwire	An investigation of Bernstein polynomials applications in solving fractional integral equations	Tanzania	Local
IPMS	EAUMP-UDSM	M	Thomas Machumu	Modelling and Forecasting Arrivals Rates of Tanzania Tourists Using ARIMA Technique	Tanzania	Local
IPMS	EAUMP-UNZA	M	Derrick Hamakala	Statistical Relationship Between Onset Dekad of Raining Season and Normalised Difference Vegetation Index: An Indicator of Acute Food Insecurity Levels in Districts of Zambia	Zambia	Local
IPMS	EAUMP-UNZA	M	Mulope Mulope	Risk Factors Associated with Mortality of Breast Cancer Patients after Surgery: The Case of Zambia	Zambia	Local
IPMS	EAUMP-UNZA	F	Namukolo Mukubesa	Maximum likelihood parameter estimation for gamma and exponential distributions for truncated and censored data using the EM-Algorithm	Zambia	Local
IPMS	EAUMP-UNZA	M	Nephat Mwanza	Statistical Projections of the Intra-Seasonal Rainfall Characteristics over Zambia for the Period 2021 –2050	Zambia	Local
IPMS	EAUMP-UR	M	Iriboneye Martin	Connection between special matchings and automorphisms of Bruhat intervals of Coxeter groups of types B and D	Rwanda	Local
IPMS	EAUMP-UR	M	Kanani Papias	Prediction of risk factors influencing under five children mortality In Rwanda using Machine learning techniques	Rwanda	Local

IPMS	EAUMP-UR	M	Munezero Jean de Dieu	Mathematical modeling the global atmospheric carbon dioxide concentration	Rwanda	Local
IPMS	EAUMP-UR	F	Munyaneza Joselyne	Algebra Structure in the family of non- Lebesgue measurable subset of real line	Rwanda	Local
IPMS	EAUMP-UR	M	Mwizerwa Jerome	Representation of bounded convex linear functional defined on Hausdorff continuous interval valued function	Rwanda	Local
IPMS	EAUMP-UR	M	Nimbane Edson	The method of fundamental solution for solving heat equation	Rwanda	Local
IPMS	EAUMP-UR	M	Nizeyimana Enock	Nonlinear heat equation in semi-infinite domain	Rwanda	Local
IPMS	EAUMP-UR	F	Nyiraminani Marceline	The determinants of adverse maternal pregnancy outcomes in Rwanda	Rwanda	Local
IPMS	EAUMP-UR	M	Nyirishema Etienne	Matlab graphical user interface design of the developed mathematical model of human cardiovascular-respiratory system in Rwanda	Rwanda	Local
IPMS	EAUMP-UR	M	Sibomana Eric	Nonlinear dimensionality reduction using Kernel methods	Rwanda	Local
IPMS	EAUMP-UR	F	Uwimbabazi Jeanette	Statistical modelling of green coffee processing and sustainable coffee production in East African countries	Rwanda	Local
IPMS	EAUMP-UR/ APREA	M	Karinganire Etienne	Group classification of differential equations	Rwanda	Local
IPMS	EAUMP-UR/ PDEAP	M	Mutima Jean de Dieu	Stochastic partial differencial equations: Application in economics	Rwanda	Local
IPMS	PDEAAP	M	Joseph Ebelait	Modeling leakage in sewage pipes laid in a porous ground using CFD	Uganda	Local
IPMS	PDEAAP	M	Moses Nagulama	Modeling of tire-road surface interaction under wet conditions	Uganda	Local
IPMS	SEAMaN-RUPP	F	Chhunny CHHUM	Lp estimate of Fourier integral operators	Cambodia	Local
IPMS	SEAMaN-RUPP	M	Outdom Dy	Iwasawa algebra	Cambodia	Local
IPMS	SEAMaN-RUPP	M	Seangleng KHE	On nonlinear diffusion elliptic problem	Cambodia	Local
IPMS	SEAMaN-RUPP	M	Sela Ol	Portfolio Optimization Problem under Heston's stochastic volatility model with a stochastic interest rate	Cambodia	Local
IPPS	AFSIN	M	Anéouè Gamaliel ANEZIM	Design of 25cm telescope dome in Sahelian site	Burkina Faso	Local
IPPS	AFSIN	F	Salamata OUIILLI	Synthesis and characterization of silver nanaopartiles based on plant extracts	Burkina Faso	Local
IPPS	ETH:02	M	Addis Alem Tesfaye	Site charaterization in Addis Ababa	Ethiopia	Sandwich
IPPS	AFSIN	F	Mame Fall Seck	Study of the variegation of axcalypha wilksiana leaves using an horizontal microscope	Senegal	Local
IPPS	AFSIN	M	KOUGLO Kodjo Maxim	Study of the electrical conductance of junctions molecular in materials based onaromatic groups for applications in optoelectronics	Togo	Local
IPPS	AFSIN	M	TISSORA Assénim Jean	Crystal structure and Hirsfeld surface of a new 3D manganese-based perovskite compound	Togo	Local
IPPS	BAN:02/2	F	Farzana Khanam	Synthesis and Study of Structural, Electrical, and Magnetic Properties of Cobalt-Doped Bismuth Europium Manganese Ferrite	Bangladesh	Local
IPPS	BAN:02/2	M	Jahid Hossain Bhuiyan	Investigating Structural, Optical Electrical, and Magnetic Properties of Chromium-Doped Lanthanum Cerium Bismuth Ferrite	Bangladesh	Local

IPPS	BAN:02/2	M	Josim Mounsi	Investigation of Structural, Electrical, and Magnetic Properties of the Cobalt, Zinc, and Manganese-Doped Ferrite with Gadolinium Substitution	Bangladesh	Local
IPPS	BAN:02/2	M	Masud Faruque	Investigation of the development of structural and thermoluminescent properties of LiF by Ti and Ti-Cu doping for dosimetry application	Bangladesh	Local
IPPS	BAN:02/2	M	Md Mohsin Uddin Anik	Holmium doping in bismuth ferrite: a comprehensive characterization and properties analysis synthesis by sol-gel auto combustion	Bangladesh	Local
IPPS	BAN:02/2	M	Md Saiful Islam	Synthesis of hydroxyapatite-3mol% yttria stabilized zirconia composites with high-pressure reactor: a comparative study of structural, mechanical, and cytotoxic properties of the composites	Bangladesh	Local
IPPS	BAN:02/2	M	Md. Abu Shyed	Fabrication and characterization of CuO coated magnetic polymer nanocomposites for the detection of biomolecules by electrochemical approach	Bangladesh	Local
IPPS	BAN:02/2	M	Md. Kaisar Hamid	Investigation of structural and morphological properties of Mo-doped Vanadium Disulfide nanoparticles at various doping concentration	Bangladesh	Local
IPPS	BAN:02/2	M	Md. Rasel Shikder	Effect of Bi substitution on the structural, magnetic and magnetocaloric properties of $\text{La}_{0.65}\text{Ba}_{0.35-x}\text{Bi}_x\text{MnO}_3$	Bangladesh	Local
IPPS	BAN:02/2	M	Mohammad Rifat ul Islam	Exploring the effect of Mn and Cu doping on the structural and thermoluminescent properties of LiF	Bangladesh	Local
IPPS	BAN:02/2	F	Monowara Khatun	Structural, morphological and microbial analysis of hydroxyapatite/graphene oxide/nickel ferrite (HAP/GO/NiFe <sub>2</sub> O <sub>4</sub> ) nanocomposite for biomedical application	Bangladesh	Local
IPPS	BAN:02/2	F	Most. Farzana Mahmud	Electrochemical detection of heavy metal using novel magnetic Fe <sub>3</sub> O <sub>4</sub> based nanocomposite	Bangladesh	Local
IPPS	BAN:02/2	F	Papri Kundu	Structural, morphological and microbial analysis of hydroxyapatite/graphene oxide/cobalt (HAP/GO/Co) nanocomposite for biomedical application	Bangladesh	Local
IPPS	BAN:02/2	F	Rabeya Chowdhury Alina	Development of Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles with correlation between SLP and T <sub>max</sub> attained by RF-induction heating for different pH-controlled particle sizes	Bangladesh	Local
IPPS	BAN:02/2	M	Rezowanur Islam	Dysprosium-doped Ni-Zn-Cu ferrites: insights into structural, magnetic and electrical and behavior	Bangladesh	Local
IPPS	BAN:02/2	M	Ruhul Amin	Magnetically responsive synthetic polymer modified bio-composite particles for the separation of dyes from wastewater	Bangladesh	Local
IPPS	BAN:02/2	F	Sangeeta Kundu	Modifying the multifunctional properties of Zn-Mg ferrite through silver doping: structural, optical, and magnetic insights	Bangladesh	Local
IPPS	BAN:02/2	M	Shadman Shaheen Moyoem	Preparation of zinc ferrite nanoparticles by co-precipitation method and coated with chitosan for MRI contrast of barium and treatment of cancer by hyperthermia	Bangladesh	Local
IPPS	BAN:02/2	F	Shakera Ira	Cobalt-doped zinc ferrite thin films prepared via spray pyrolysis: a study of synthesis, optical properties and gas sensing performance	Bangladesh	Local
IPPS	BAN:02/2	M	Shakhawat Hossain	Study of the magnetocaloric properties and analysis of critical behaviour of cobalt doped magnesium spinel ferrite ( $\text{Mg}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ ) for Magnetic Refrigeration Application	Bangladesh	Local
IPPS	BAN:02/2	F	Shavihatun Samy	Degradation of organic dyes from waste water using magnetic polymer-supported palladium nanocatalyst	Bangladesh	Local

IPPS	BAN:02/2	F	Umme Kulsum	Synthesis and characterization of $S_{nx}Zn_{1-x}Fe_2O_4$ ferrite thin films by spray pyrolysis deposition technique	Bangladesh	Local
IPPS	BAN:02/2	F	Umme Maktum	Synthesis and characterization of multifunctional properties of $Bi_{0.910}Ho_{0.10}FeO_3$ with variation of sintering temperature	Bangladesh	Local
IPPS	BAN:04	M	F.M. Tanvir Hasan Raian	Development of a wearable phonocardiography system for continuous cardiac monitoring	Bangladesh	Local
IPPS	BAN:04	M	Hridoy Chandra Barman	Effect of pulse electromagnetic field on hemodynamic changes measured by functional near-infrared spectroscopy	Bangladesh	Local
IPPS	BAN:04	M	Md. Abu Sayed	Lung cancer diagnosis from CT images using automated roi cropping, ensemble classification, and segmentation architectures	Bangladesh	Local
IPPS	BAN:04	M	Md. Shahriar Kabir	Development of an FEM model of the human thorax for monitoring lung fluid accumulation using bioimpedance	Bangladesh	Local
IPPS	BAN:04	M	Md. Tofazzal Hosen	Exploring tumor features with pigeon-hole imaging and enhancing sensitivity via contrast agent in bioimpedance analysis	Bangladesh	Local
IPPS	BAN:04	M	Muttakee Bin Ali	Fabrication of antibacterial sandwich composite sheet harnessing bio-waste for wound healing	Bangladesh	Local
IPPS	BAN:04	M	Naosher Mustakim	Utilizing deep learning for multi-label classification of bimanual clench force fNIRs data	Bangladesh	Local
IPPS	BUF:01	M	Eric SOULI	Climatological study of correlations between atmospheric optical data and climatic parameters in Burkina Faso	Burkina Faso	Local
IPPS	BUF:01	F	Latifatou OUOBA	Impact of white light on the performance of a polycrystalline silicon PV cell	Burkina Faso	Local
IPPS	EAARN	F	Lucy Tumumbeine	Determination of rotational and spot properties of "Hump and Spike" Stars	Uganda	Local
IPPS	ETH:03	F	Abebech Zeleke	Solar UV temporal variations during solar cycle 23 and 24	Ethiopia	Local
IPPS	ETH:03	M	Addidu Tadele	A new complex of iron (iii) with adenine, benzoic acid and 1, 10- phenanthroline synthesis: structural investigation, electrochemical behaviour, and antibacterial activity study	Ethiopia	Local
IPPS	ETH:03	M	Amare Mengistu	Investigating Ultraviolet Index at Bahir Dar City from 2010-2020	Ethiopia	Local
IPPS	ETH:03	M	Assefa Sharew	Analysis of the relationship between ionospheric VTEC and solar radiation variability over Asosa, Ethiopia (2012–2015)	Ethiopia	Local
IPPS	ETH:03	M	Ayanew Nigussie	Modeling Ionospheric TEC using gradient boosting based and stacking machine learning technique	Ethiopia	Local
IPPS	ETH:03	M	Belete Eshetie	Modeling solar irradiance using multiple linear regression and decision tree machine learning models over Lalibela, Ethiopia	Ethiopia	Local
IPPS	ETH:03	F	Emebet Weddimnew	Effect of orange fruit extract concentration on the properties of zinc oxide nanoparticles	Ethiopia	Local
IPPS	ETH:03	F	Emeye Tewachew	Synthesis and synthesis, structural investigation, electrochemical behaviour, and antibacterial activity study of co (ii) complex with cystine and 1,10-phenanthroline	Ethiopia	Local
IPPS	ETH:03	M	Esleman Haron	Comparison of geomagnetic storms in solar cycle 23 and 24	Ethiopia	Local
IPPS	ETH:03	M	Girma Kassa	Synthesis, structural investigation, electrochemical behaviour, and antibacterial activity study of iron (iii) complex with cytosine, benzoic acid and 1,10-phenanthroline	Ethiopia	Local

IPPS	ETH:03	M	Melese Birhan	Study of variations in vertical total electron content (VTEC) of ionosphere during the period of 2014 and 2015 over Africa	Ethiopia	Local
IPPS	ETH:03	M	Muhabaaw Assefa	Optical properties of copper nanoparticles: a systematic review	Ethiopia	Local
IPPS	ETH:03	M	Surafel Alayou	Application of machine learning in the prediction of zinc oxide nanoparticle size	Ethiopia	Local
IPPS	ETH:03	M	Tadesse Liyew	Determination of size of silver nanoparticles from UV vis spectra	Ethiopia	Local
IPPS	ETH:03	M	Wolelaw Melese	Comparison of ultraviolet (uv-b) distribution at Ras Dashen and Ertale from 2010 to 2020	Ethiopia	Local
IPPS	ETH:03	M	Workayehu Wasihun	optimization of nanopattern size for antifouling application of polymer brushes	Ethiopia	Local
IPPS	ETH:03	M	Worku Sisay	Size dependent dielectric function of gold nanoparticles	Ethiopia	Local
IPPS	ETH:03	F	Yenework Zewdu	Iron (III) complex with guanine, benzoic acid and 1, 10-phenanthroline: synthesis, electro-chemicalbehaviour and antibacterial activity study	Ethiopia	Local
IPPS	ETH:03	M	Yohanes Atalay	Effect of silver nanoparticle size in the plasmon peak position of gold nanoparticles	Ethiopia	Local
IPPS	KEN:01/2	M	Elijah Pkemoi	Assessment of the radioecological hazards risks and distribution of toxic heavy metals contamination associated with artisanal gold mining in West Pokot County	Kenya	Local
IPPS	KEN:01/2	M	Kamoni Njoki	Direct assessment of trace elements in water using EDXRF and machine learning	Kenya	Local
IPPS	KEN:01/2	F	Linet Nyamweya	Thermoluminescence characteristics of Kenyan fluorite for use as a TLD raw material for environmental radiation monitoring	Kenya	Local
IPPS	KEN:01/2	M	Loise Mbae	Tracing sediment provenance in Kilindini harbour, Mombasa using selected heavy metals and natural radionuclides	Kenya	Local
IPPS	KEN:01/2	M	Moses Njeru	Estimating surface PM2.5 Concentrations in Nairobi, Kenya using satellite remote sensing	Kenya	Local
IPPS	KEN:01/2	F	Ruth Akoth	Assessment of indoor radon levels, radioactivity and associated occupational exposures: impact of mining and geothermal explorations in Greater Rift Valley, Menengai Caldera, Nakuru County	Kenya	Local
IPPS	KEN:01/2	F	Shirley Mudenyio	Evaluation of environmental heavy metals pollution in mangrove sediments along Lamu Coastal Shoreline	Kenya	Local
IPPS	MSSEESA/ TAN:01/2	M	Nickson E. Mmary	Investigation on the influence of deposition temperature and layer thicknesses on thermochromic properties of low emissivity-based ITO/VO <sub>2</sub> /MgO multilayer structure for smart window application	Tanzania	Local
IPPS	MSSEESA/ UGA:01	M	Gaspar Niwebyona	A parabolic dish solar concentrator integrated with a heat storage block	Uganda	Local
IPPS	MSSEESA/ UGA:01	F	Zainah Nassango	Investigation the effect of substrate deposition angle and target thickness on optical and electrical properties of Aluminium thin films	Uganda	Local
IPPS	MSSEESA/ ZAM:01	F	Dorcas Mulaye	Optical and Electrical Investigation of two Topological Insulators: Bismuth Selenide (Bi <sub>2</sub> Se <sub>3</sub> ) and Antimony Telluride (Sb <sub>2</sub> Te <sub>3</sub> )	Zambia	Local
IPPS	MSSEESA/ ZAM:01	F	Karen Kabunda	Factors affecting the performance of solar street lights in Lusaka (Zambia)	Zambia	Local

IPPS	MSSEESA/ ZAM:01	M	Levy K Kayombo	Extending energy usage of solar milling plants initiative in Zambia	Zambia	Local
IPPS	MYA:01	F	Ma Mya Thida Win	Investigation of natural radioactivity concentration in soil samples from some places in the Mandalay Palace	Myanmar	Local
IPPS	MYA:01	F	Ma Soe Thiri Aung	Determination of natural radioactivity concentration in soil samples from the banks of the Thein Stream, Namyin Hka Stream and the Irrawaddy River in WaingMaw Township, Myitkyina District, Kachin State	Myanmar	Local
IPPS	NEP:01	F	Dikshya Chand	Development of a non-enzymatic glucose biosensor using cobalt oxide thin film	Nepal	Local
IPPS	NEP:01	F	Manisha Rai	Study on porous Al doped ZnO Thin Film as a glucose Biosensor	Nepal	Local
IPPS	NEP:01	M	Omshee Rijal	Adsorption of CO and NH <sub>3</sub> over ZnO and Mo-doped ZnO monolayer: first principles study	Nepal	Local
IPPS	NEP:01	M	Puskar Raj Joshi	Investigation of Electronic, magnetic and optical properties of Rh doped TiS <sub>2</sub> monolayer	Nepal	Local
IPPS	NEP:01	M	Ravi Neupane	Computational investigation of the carbon dioxide Dimer-water complex using density functional theory	Nepal	Local
IPPS	UGA:02	M	Chrizestom Ssebagala	Determination of variability properties of candidate pulsating Am stars	Uganda	Local
IPPS	UGA:02	M	Patrick Kusiima	Simulation of multilayer radiation shield for spacecrafts in deep space environment	Uganda	Local
IPPS	ZIM:01	M	Prince Sigwegwe	Geothermal resource assessment of the Saba Hot Springs in Binga, Zimbabwe, using geophysical techniques	Zimbabwe	Local

## 2.5 Publications

In the chemistry programme, 64% of the 236 publications were in quality journals, which is the same share as in 2023). 8% were in articles in journals by predatory publishers (7% in 2022).

In the mathematics programme, 68% of the 209 publications were in quality journals (55% in 2023), and 9% were in predatory journals (3% in 2023).

In the physics programme, 55% of the 129 publications were in quality journals (69% in 2023) and only 8% in journals by predatory publishers (6% in 2023).

In 2024, networks and groups in West Africa are overrepresented in the predatory statistics in all three ISP programmes. The majority of ISP supported groups and networks have an awareness of the problem with predatory publishers, possibly at least partly because of ISP's efforts to promote publications in quality journals.

### **Acknowledgments**

In the chemistry programme, ISP and/or Sida acknowledgement was given in 32% of the publications, compared to 42% in 2023.

In the mathematics programme, ISP/Sida acknowledgement was given in 13% (2% in 2023) of the publications.

In the physics programme, ISP/Sida acknowledgement was given in 53% of the all publications (61% in 2023).

### **List of publications**

Below, publications are detailed for each programme, chemistry, physics and mathematics, and summarised in tables. The bibliographic data given is obtained directly from the reporting of the supported activities, with only minor editing.

- The code of the ISP supported activity that is reporting the publication is given before each entry.
- All publications reported to ISP are listed, independent of whether the scientific work has been directly supported by ISP funding or not.

In all cases, each publication reported to ISP is never intentionally listed twice in the annual reports.

### **Scientific Quality Journals and Other Journals**

The publications are sorted by scientific journal, and where available the **Journal Impact Factor (JIF) 2021 is given**. Journals listed with JIF are here considered to be "scientific quality journals".

From ISP Annual report for 2016, an additional quality measure is applied, comprising the ranking in the Norwegian Register for Scientific Journals, Series and Publishers, operated jointly between The National Board of Scholarly Publishing (NPU) and Norwegian Directorate for Higher Education and Skills on behalf of The Norwegian Ministry of Education and Research. Where available, **the rank is given**. These numbers are counted for in in the last column.

The Norwegian scale stretches from 0–2. Journals ranked at 0 are not categorised as a scientific publication venue, those ranked at 1 being a scientific publication venue, and those at 2 being extra prestigious scientific publication venues. Journals ranked 1 or 2 are here considered to be "scientific quality journals", while those ranked 0/- and those not listed as "other journals".

Journals **marked in red** occur on Cabells Blacklist, indicating a “predatory”, non-scientific publication venue.

### 2.5.1 Chemistry publications

**Table 8.** Summary by region of publication data for the chemistry programme in 2024. The number of publications (Publ.) in scientific journals is specified to those with and without Journal impact factors (JIF) and/or Norwegian Centre for Research Data (NCDR) ranking (see explanation in the first paragraphs of this appendix, and whether ISP funding was acknowledged.

Publication category	Africa		Asia		Latin America		Total	
	yes	no	yes	no	yes	no	yes	no
Publ. in Scientif. Quality J. (TR or/and NCDR ranked)	45	101	1	2	1	1	47	104
Publ. in Other Scientific Journals (“unranked”)	8	35	12	6	5	0	25	41
Publ. in Journals by “predatory publishers”	0	19	0	0	0	0	0	19
Books, Chapters, Popular Publ., Technical Reports, etc.	5	0	0	0	0	0	5	0
<b>Total number of publications (yes/no)</b>	<b>72</b>	<b>136</b>	<b>13</b>	<b>8</b>	<b>6</b>	<b>1</b>	<b>77</b>	<b>164</b>
<b>Grand total</b>	<b>208</b>		<b>21</b>		<b>7</b>		<b>241</b>	

Group/ Network	Journal	Author(s)	Title	DOI	WoS, 1 yr IF 2021	Norwe gian Registe r
RABiotech	Academy of Romanian Scientists Annals Series on Biological Sciences	Malina Mihaela Visternicu, and Viorica Rarinca	Nutritional benefits of chlorophyll and mineral elements in nutritional benefits of chlorophyll	<a href="https://doi.org/10.56082/annalsarscibio.2024.2.19">https://doi.org/10.56082/annalsarscibio.2024.2.19</a>	NA	
ANEC	ACS Applied Energy Materials	Jiaming Zeng, Wang Yang, Wu Yang, Zhiyuan Zheng, Jianyun Gan, Qi Wang, Liubing Dong, Linxin Zhong, Ruidong Xia, Emmanuel Iheanyichukwu Iwuoha, Usisipho Feleni, Shimelis Admassie, Xinwen Peng	Cellulose Reinforced Eutectogel Electrolyte for Flexible Zinc-Ion Hybrid Supercapacitors	10.1021/acsaem.4c01463	6.959	1
ETH:01	ACS Applied Energy Materials	Jiaming Zeng, Wang Yang, Wu Yang, Zhiyuan Zheng, Jianyun Gan, Qi Wang, Liubing Dong, Linxin Zhong, Ruidong Xia, Emmanuel Iheanyichukwu Iwuoha, Usisipho Feleni, Shimelis Admassie, Xinwen Peng	Cellulose Reinforced Eutectogel Electrolyte for Flexible Zinc-Ion Hybrid Supercapacitors	10.1021/acsaem.4c01463	6.959	1
ETH:01	ACS Applied Materials & Interfaces	Tadele T. Filate, Seungjin Lee, Leandro R. Franco, Qiaonan Chen, Zewdneh Genene, Cleber F. N. Marchiori, Yoonjoo Lee, Moyses Araujo, Wendimagegn Mammo, Han Young Woo, Bumjoon J. Kim, and Ergang Wang	Aqueous Processed All-Polymer Solar Cells with High Open-Circuit Voltage Based on Low-Cost Thiophene–Quinoxaline Polymers	10.1021/acsemi.3c18994	10.383	1
ETH:01	ACS Omega	Alemayehu G. Waketola, Fekadu G. Hone, Fikadu T. Geldasa, Zewdneh Genene, Wendimagegn Mammo, and Newayemedhin A. Tegegne	Enhancing the Performance of Wide-Bandgap Polymer-Based Organic Solar Cells through Silver Nanorod Integration	10.1021/acsomega.3c08386	4.132	1
ANEC	ACS Sustainable Chemistry & Engineering	Yuling Chen, Hu Fu, Wu Yang, Linxin Zhong, Qi Wang, Bo Lu, Ning Wang, Zehong Chen, Ge Shi, Chuankun Jia, Mei Ding, Ruidong Xia, Emmanuel Iheanyichukwu Iwuoha, Usisipho Feleni, Shimelis Admassie and Xinwen Peng	Heteroatom-Rich Hierarchical Porous Biomass Carbon for Vanadium Redox Flow Batteries	10.1021/acssuschemeng.4c03266.	9.224	1
ETH:01	ACS Sustainable Chemistry & Engineering	Yuling Chen, Hu Fu, Wu Yang, Linxin Zhong, Qi Wang, Bo Lu, Ning Wang, Zehong Chen, Ge Shi, Chuankun Jia, Mei Ding, Ruidong Xia, Emmanuel Iheanyichukwu Iwuoha, Usisipho Feleni, Shimelis Admassie and Xinwen Peng	Heteroatom-Rich Hierarchical Porous Biomass Carbon for Vanadium Redox Flow Batteries	10.1021/acssuschemeng.4c03266.	9.224	1
ETH:01/ ANEC	Advanced Functional Materials	Asfaw Negash, Jeroen Hustings, Allyson Robert, Zewdneh Genene., Desalegn Yilma, Dieter Schreurs, Michiel Mathijs, Jori Liesenborgs, Frank Van Reeth, Koen Vandewal, Wendimagegn Mammo, Shimelis Admassie, Wouter Maes, Jean V. Manca.	Exploring the High-Temperature Window of Operation for Organic Photovoltaics: A Combined Experimental and Simulations Study	10.1002/adfm.202308666	19.924	2
ETH:01	Advanced Materials Technologies	Tadele T. Filate, Shi Tang, Zewdneh Genene, Ludvig Edman, Wendimagegn Mammo, and Ergang Wang	Hydrophilic Conjugated Polymers for Sustainable Fabrication of Deep-Red Light-Emitting Electrochemical Cells	10.1002/admt.202301696	8.856	1
ETH:01	Advanced Materials Technologies	Zewdneh Genene, Zhenyuan Xia, Guijun Yang, Wendimagegn Mammo, and Ergang Wang	Recent Advances in the Synthesis of Conjugated Polymers for Supercapacitors	10.1002/admt.202300167	8.856	1

ETH0:05	Advances and Applications in Bioinformatics and Chemistry	EB Tessema, YH Gonfa, TB Asfaw, MG Tadesse, & RK Bachheti	In silico Molecular Docking Approach to Identify Potential Antihypertensive Compounds from <i>Ajuga integrifolia</i> Buch.-Ham. Ex D. Don (Armagusa)	10.2147/AABC.S392878	NA	
BUF:01	Advances in Biological Chemistry	Sankara, A., Ouédraogo, J. C. W., Bonzi, S., Thévenon, M.F., & Coulibaly, Y. L. B.	Antioxidant, Antifungal and Antitermite Activities of Residues from Hydrodistillation of <i>Cymbopogon citratus</i> , <i>Eucalyptus camaldulensis</i> and <i>Mentha piperita</i>	10.4236/abc.2024.146016	NA	
ANEC	Advances in Materials Physics and Chemistry	M Bodian, K Hannawi, D Keinde, M Fall, A Darquennes, P W Agbodjan	Electrochemical Study of the Corrosion Inhibitory Capacity of Calcined Attapulgitite in Reinforced Concrete Medium	<a href="https://www.scirp.org/journal/ampc">https://www.scirp.org/journal/ampc</a>	NA	
ZIM:01	Advances in Pharmacological and Pharmaceutical Sciences	Machingauta A, Mukanganyama S	Antibacterial Activity and Proposed Mode of Action of Extracts from Selected Zimbabwean Medicinal Plants against <i>Acinetobacter baumannii</i>	<a href="https://doi.org/10.1155/2024/8858665">https://doi.org/10.1155/2024/8858665</a>	NA	1
RABiotech	African Journal of Biological Sciences	ThiéryNdong Mba, Cédric Sima Obiang, Hilaire Moundounga Kenguele, Aldrain JonasEwore Ntoutoume, Ulrich LowensOnkassa Sah, Louis-Clement Obame Engonga, Cyrille Bisseye	Renal dysfunction and associated factors among PLHIV, undergoing antiretroviral treatment at the Makokou Outpatient Treatment Center (MKK-OTC), Ogooué-Ivindo, North-East Gabon	<a href="https://doi.org/10.33472/AFJS.6.5.2024.2601-2619">https://doi.org/10.33472/AFJS.6.5.2024.2601-2619</a>	NA	0
RABiotech	African Journal of Biotechnology	Gnatoulma KATAWA, Kossi ADJETE, Oukoe Marthe AMESSOUDJI, Wemboo HALATOKO, Pélagie Edlom TCHADIE, Fagdeba BARA, Irène DOSSOU, Christèle NGUEPOU TCHOPBA, Damintoti Simplicite KAROU and Yovi AMEYAPOH	Analytical performances description of the immunoturbidimetric method for the determination of HbA1c using Selectra Pro M automated system at the Institut National d'Hygiène (INH) of Lomé	<a href="https://doi.org/10.5897/AJB2023.17604">https://doi.org/10.5897/AJB2023.17604</a>	0.565	1
RABiotech	Agricultural Research	Corentin Akpode, Sylvestre Abado Assogba, Sêmassa Mohamed Ismae`l Hoteyi, Mèvognon Ricardos Aguégué, Marcel Yévè do Adoko, Luckman Tokumbo Alao, Haziz Sina, Pacôme Agossou Noumavo, Ayihadji Paul Houssou, Adolphe Adjanohoun, Olubukola Oluranti Babalola, Lamine Baba-Moussa	Impact of Combinations of Native Arbuscular Mycorrhizal Fungi and Mineral Fertilizers on the Production and Nutrition of Maize Plants on Ferruginous Soil	<a href="https://doi.org/10.1007/s40003-024-00808-5">https://doi.org/10.1007/s40003-024-00808-5</a>	NA	1
RABiotech	Agriculture	Luckman Tokumbo Alao, Ricardos Mèvognon Aguégué, Codjo Gaston Ouikoun, S. Mohamed Ismaël Hoteyi, Corentin Akpodé, Abdel Djihal Koda, Sylvestre Abado Assogba, Olaréwadjou Amogou, Adolphe Adjanohoun, Marcel Yévèdo Adoko, Nadège Adoukè Agbodjato, Nestor Ahoyo Adjovi, Olubukola Oluranti Babalola, and Lamine Baba-Moussa	Response of Biostimulants Based on Native Arbuscular Mycorrhizal Fungi of the Glomeraceae on Maize Yield in a Farming Environment	<a href="https://doi.org/10.1007/s13593-023-00909-5">https://doi.org/10.1007/s13593-023-00909-5</a>	3.408	1
RABiotech	Agronomy for Sustainable Development	Madina Diancoumba, Jana Kholová, Myriam Adam, Mahamoudou Famanta, Benoît Clerget, Pierre C. S. Traore, Eva Weltzien, Michel Vacksmann, Greg McLean, Graeme L. Hammer, Erik J. van Oosterom, and Vincent Vadez	APSIM-based modeling approach to understand sorghum production environments in Mali	<a href="https://doi.org/10.1007/s13593-023-00909-5">https://doi.org/10.1007/s13593-023-00909-5</a>	7.832	1
ANEC	Analytical Letters	Fogang SG, Deffo G, Guenang LS, Temgoua RCT, Njanja E, Tonle IK, Bhaumik A, Ngameni E.	Nafion/Multiwalled Carbon Nanotubes/ Mesoporous Silica Composite Modified Glassy Carbon Electrode for the Simultaneous Electrochemical Determination of Indigo Carmine and Carbendazim by Differential Pulse Voltammetry	10.1080/00032719.2023.2245083	2.267	1

RABiotech	Antibiotics	Kafayath Fabiyi, Kevin Sintondji, Jerrold Agbankpe, Phenix Assogba, Hornel Koudokpon, Boris Lègba, Elodie Gbotche, Lamine Baba-Moussa, and Victorien Dougnon	Harnessing Bacteriophages to Combat Antibiotic-Resistant Infections in Africa: A Comprehensive Review	<a href="https://doi.org/10.3390/antibiotics13090795">https://doi.org/10.3390/antibiotics13090795</a>	5.222	1
ETH0:05	Anti-Infective Agents	AG Mohammed, MG Tadesse, RK Bachheti, Y Bayeh, TG Ashebr	Isolation, Characterization and Antibacterial Activity Study of Bioactive Compounds from Leaves of <i>Cyphostemma cyphopetalum</i>	10.2174/0122113525306978240520053843	NA	1
ETH:01/ ANEC	Applied Catalysis B: Environment and Energy	Juan Liu, Ren Zou, Hao Zhang, Youzhi Song, Yunpeng Liu, Shilian Yang, Ruidong Xia, Emmanuel Iheanyichukwu Iwuoha, Usisipho Feleni, Shimelis Admassie, Xinwen Peng	Enhanced $\pi$ -electron transport in graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) by constructing biochar-welded donor-acceptor (D-A) configuration for photocatalytic conversion of biomass	10.1016/j.apcatb.2024.124312	24.319	
ANEC	Applied Clay Science	Siegnin R, Mbiagaing CD, Dzene L, Vidal L, Dedzo GK, Ngameni E.	Copper-based nanoparticles supported on functionalized kaolinite for catalytic reduction of nitroaromatic compounds	10.1016/j.clay.2024.107493	5.907	1
RABiotech	Applied Sciences	Rayinwendé Irène Sawadogo, Vinsoun Millogo, Mariétou Sissao, Michel Kere, Wendpayanguédé Alain Sawadogo, and Modou Séré	Simulation and Optimization of Available Local Feed Resources for Dairy Cattle in Burkina Faso	<a href="https://doi.org/10.3390/app142411891">https://doi.org/10.3390/app142411891</a>	2.838	1
RABiotech	Arabian Journal of Medicinal and Aromatic Plants	Atchadé Pascal Tchogou, Eugénie Anago, Maimounatou Atindehou, Maxime Sangare-Oumar Machioud, Guilphados Djogbede, Steven Chokki, Jean Michel Akpo, Abalou Roland Bamaï Condé, Lamine Baba-Moussa, Amegnona Agbonon, and Maximin Senou	Impact of the toxic effect of the aqueous extract of <i>Coriandrum sativum</i>	<a href="https://doi.org/10.48347/IMIST.PRSM/ajmap-v10i1.50507">https://doi.org/10.48347/IMIST.PRSM/ajmap-v10i1.50507</a>		
ZIM:02/ ANCAP	Archives of Environmental Contamination and Toxicology	S.M., Mnkandla, M.F.T., Mosoabisane, N., Basopo, P.V., Otomo	Mycofiltration of Aqueous Iron (III) and Imidacloprid Solutions, and the Effects of the Filtrates on Selected Biomarkers of the Freshwater Snail <i>Helisoma duryi</i> .	<a href="https://doi.org/10.1007/s00244-023-01049-3">https://doi.org/10.1007/s00244-023-01049-3</a>	3.526	1
BOL:01	Arthropod-Plant Interactions	M Adler, G Zambrana-Camacho, L Flores-Pardo, O N Urquizo, K Collao-Alvarado, C F Pinto	Pollen composition and physicochemical properties of honey produced by three stingless bees species from a mesotropical subhumid region in Bolivia	<a href="https://doi.org/10.1007/s11829-024-10084-3">https://doi.org/10.1007/s11829-024-10084-3</a>	2.409	1
ANFEC	Asian Journal of Pharmacognosy	Rafica Yasmin Sumaiya, Monira Ismail Meem, Md. Mazharul Islam, Mohammad Shoeb, Md. Iqbal Rouf Mamun	Assessment of paracetamol and caffeine containing non-opioid analgesics tablets commercially available in Bangladesh		NA	
RABiotech	Biochemistry Research International	Kayaba KABORÉ, Crépin Ibingou Dibala, Hemayoro Sama, Mamounata Diao, Marius K. Somda, and Mamoudou H. DICKO	Phenolic Content, Antioxidant Potential, and Antimicrobial Activity of <i>Uvaria chamae</i> (Annonaceae), a Food Plant from Burkina Faso. Biochemistry Research International.	<a href="https://doi.org/10.1155/2024/1289859">https://doi.org/10.1155/2024/1289859</a>	NA	1
BAN:05	Biological Trace Element Research	Nazmul, Islam., Rausan, Zamir., Omar Faruque	Health Risk Assessment of Toxic Metals Consumed Through Plant-Based Anti-Diabetic Therapeutics Collected in the Northern Divisional City of Rajshahi, Bangladesh	<a href="https://doi.org/10.1007/s12011-024-04338-7">https://doi.org/10.1007/s12011-024-04338-7</a>	4.081	1
RABiotech	Biomass Conversion and Biorefinery	I.B. Chabi, F.U.G. Akogou, O Zannou, Jonas Assouhan Atchadé, Désiré A. Adéyèmi, Abdulhakeem S. Alamri, Charis M. Galanakis, and Kayodé APP Kayodé	Lactic acid bacteria from a traditional starter (kpètè-kpètè) of Benin opaque sorghum beer: probiotic characteristics, cholesterol-lowering capacity, and exopolysaccharides production.	<a href="https://doi.org/10.1007/s13399-024-05381-z">https://doi.org/10.1007/s13399-024-05381-z</a>	4.050	1
RABiotech	Biomass Conversion and Biorefinery	Mahamadi Nikiema, Marius K. Somda, Joseph B. Sawadogo, Salifou Bambara, Narcis Barsan, Ynoussa Maiga, Amidou Ouili S., Cheik Omar Tidiane Compaoré,	Optimization for improved biomethane yield from cashew nut hulls through response surface methodology	<a href="https://doi.org/10.1007/s13399-024-05577-3">https://doi.org/10.1007/s13399-024-05577-3</a>	4.050	1

		Iliassou Mogmenga, Dayérid Dianou, Alfred S. Traoré, and Aboubakar S. Ouattara				
RWA:01	Bioorganic & Medicinal Chemistry	T Umumararungu, J B Nyandwi, J Katandula, E Twizeyimana, J C Tomani, N Gahamanyi, N Ishimwe, E O Olawode, G Habarurema, M Mpenda, J P Uyisenga	Current status of the small molecule anti-HIV drugs in the pipeline or recently approved	<a href="https://doi.org/10.1016/j.bmc.2024.117860">https://doi.org/10.1016/j.bmc.2024.117860</a>	3.461	
ZIM:01	BMC Complementary Medicine and Therapies	Tumelo Akapelwa Muyenga, Bamitale K. Dominion Samuel, Kibuule Dan4, Simbarashe Sithole, Stanley Mukanganyama, Luanne Venables, Anna C. Hattingh, Maryna van de Venter, Ezeala Christian	Kigelia africana fruit fractions inhibit in vitro alpha-glucosidase activity: A potential natural alpha-glucosidase inhibitor	<a href="https://doi.org/10.1186/s12906-024-04510-5">https://doi.org/10.1186/s12906-024-04510-5</a>	2.838	2
RABiotech	BMC Immunology	Armel Landry Batchi-Bouyou, Jean Claude Djontu, Line Lobaloba Ingoba, Séphora Mougany Jiré, Freisnel Hermeland Mouzinga, Jacques Dollon Mbama Ntabi, Franck Yannis Kouikani, Arcel Christ Massamba Ndala, Steve Diafouka-kietela, Raoul Ampa, and Francine Ntoumi	Neutralizing antibody responses assessment after vaccination in people living with HIV using a surrogate neutralization assay	<a href="https://doi.org/10.1186/s12865-024-00625-z">https://doi.org/10.1186/s12865-024-00625-z</a>	3.594	1
RABiotech	BMC Infectious Diseases	Kuan Abdoulaye Traore, Marius Akapovi Messanh, Nafissatou Ouedraogo, Jean Bienvenue Ouoba, Pierre Roques, and Nicolas Barro	Geographical distribution of enteric pathogenic viruses in Burkina Faso: a systematic review and meta-analysis	<a href="https://doi.org/10.1186/s12879-024-09668-4">https://doi.org/10.1186/s12879-024-09668-4</a>	3.669	1
RABiotech	BMC Infectious Diseases	Namwin Siourimè Somda, Esther Traoré Alima Mah, François de Sales Hien Domonbabele, Yemah Bockarie, Abel Tankoano, Donatien Kaboré, Juste Isidore Bonkougou Ouingueta, Hagrétou Sawadogo-Lingani, and Aly Savadogo	Molecular characterization of Methicillin-resistant Staphylococcus aureus isolated in ready-to-eat food sold in supermarkets in Bobo-Dioulasso: case of charcuterie products	<a href="https://doi.org/10.1186/s12879-024-09603-7">https://doi.org/10.1186/s12879-024-09603-7</a>	3.669	1
RABiotech	BMC Nutrition	Daniel Somwaaga Ouedraogo, Ella W. R. Compaoré, Ousmane Ouedraogo, and Mamoudou H. Dicko	Associated factors of dietary diversity among schoolchildren in Plateau Central region of Burkina Faso: a cross-sectional study	<a href="https://doi.org/10.1186/s40795-024-00896-0">https://doi.org/10.1186/s40795-024-00896-0</a>	NA	1
RABiotech	BMC Pediatrics	Edwige Hermione Dagba Gbessin, Haziz Sina, René Kpemahouton Keke, Michel Kiréopori Gomgnimbou, Aldric Afangnihoun, Moussa Bachabi, Abdoul Salam Ouedraogo, and Lamine Baba-Moussa	Residual transmission of HIV infection from mother to child in the Atlantic and littoral departments in Benin	<a href="https://doi.org/10.1186/s12887-024-05131-0">https://doi.org/10.1186/s12887-024-05131-0</a>	2.567	1
RABiotech	BMC Public Health	Ella W. R. Compaore, Ousmane Ouedraogo, Prisca E. Bationo, Korotoumou Traore, Ezeckiel Birba, Pascal Nakelse, Ollo F. Kambou, Boureima Ouedraogo, Abdoul Aziz D. Ilboudo, Souleymane Tirogo, Estelle A. Bambara, and Mamoudou H. Dicko	Determinants of stunting in children aged 0–59 months in three regions of Burkina Faso	<a href="https://doi.org/10.1186/s12889-024-19848-1">https://doi.org/10.1186/s12889-024-19848-1</a>	4.135	1
RABiotech	BMJ Global Health	Oona Maeve Renee Campbell, Agbessi Amouzou, Cauane Blumenberg, Ties Boerma, Himanshu Bhushan, Usha Ram, Prakash Kumar, Ritu Agarwal, Reynold Washington, B. M. Ramesh, Mitali Raja, Diksha Dhupar, Ashutosh Kothari, Manoj Alagarajan, Shoummo Sen Gupta, Kisan Algur, Shajy Isac, Lakshmi Sripada, Thirumalai Narayanan, Ashenif Tadele, Shegaw Mulunesh, Aniq Tasnim Hossain, Ahmed E. Rahman, Shams El Arifeen, Sudha Sharma, Dadhi Adhikari, Bouchra Assarag, Sanae El Omrani, Rachid Beza,	Learning from success: the main drivers of the maternal and newborn health transition in seven positive-outlier countries and implications for future policies and programmes	<a href="https://doi.org/10.1136/bmjgh-2023-012126">https://doi.org/10.1136/bmjgh-2023-012126</a>	8.061	1

		Vincent De Brouwere, Mareme Diallo, Aminata Ka, Melisa Martinez-Alvarez, Malick Kante, Ousseini Youssoufa Lamou, Yahaya Mahamadou, Assanatou Bamogo, Moussa Mohamed, Abdoua E. Dagobi, Hannah Blencowe, Nehmat el Helou, Jessica King, Isabelle Lange, William E. Oswald, Loveday Penn-Kekana, Catherine Pitt, Neha Singh, Neil Spicer, Kerry Wong, Nadia Akseer, Robert Black, Elizabeth Hazel, Nasreen Jessani, Safia Jiwani, Heather Jue-Wong, Adam Koon, Abdoulaye Maiga, Melinda Munos, Yvonne Tam, Neff Walker, Shelley Walton, Andrea Blanchard, James Blanchard, Dessalegn Melesse, Kerry Scott, Aluisio Barros, Cesar Victora, Cheikh MBacke, Ryan Fitzgerald, Nathaniel Gerthe, Gloria Ikilezi, and Jordan Tate Thomas				
ETH:05	Bulletin of the Chemical Society of Ethiopia	FB Tessema, AM Belachew, YH Gonfa, TB Asfaw, ZG Admassie, A Bachheti, RK Bachheti, MG Tadesse	Efficacy of Fumigant Compounds from Essential Oil of Feverfew ( <i>Chrysanthemum Parthenium</i> ) Against Maize Weevil ( <i>Sitophilus Zeamais</i> ): Fumigant Toxicity Test and In-Silico Study	10.4314/bcse.v38i2.13	1,218	1
ETH:05	Bulletin of the Chemical Society of Ethiopia	YH Gonfa, MG Tadesse, SA Kabeto, FB Tessema, A Bachheti, KK Chaubey, RK Bachheti	Biogenic Synthesis of Silver Nanoparticles Using Essential Oil of Aerial Part of <i>Cyclospermum Leptophyllum</i> and Their Application in Colorimetric Determination of Metallic Ions	10.4314/bcse.v38i1.16	1,218	1
BUF:01	Canadian Journal of Chemistry	Mano, J., Dicko, C., Ouédraogo, J.C.W, & Coulibaly, Y. L. B.	Glucosinolate profiling in <i>Cleome gynandra</i> L. aerial parts based on two extraction methods	10.1139/cjc-2024-0118	1,051	1
ANCAP	Cellulose	Mesha Mbisana, Ngonye Keroletswe, Florence Nareetsile, Dikabo Mogopodi & Inonge Chibua	Nanocellulose composites: synthesis, properties, and applications to wastewater treatment	<a href="https://doi.org/10.1007/s10570-024-06268-y">https://doi.org/10.1007/s10570-024-06268-y</a>	6,004	1
RWA:01	Ceramics International	S Liu, Y Zhang, L Hao, J Zhang, A Nsabimana, S Shen	Designing a three-dimensional CoFe <sub>2</sub> O <sub>4</sub> cross-frame wrapped with carbon nanotubes for monitoring the environmental pollutant nitrobenzene	<a href="https://doi.org/10.1016/j.ceramint.2024.06.364">https://doi.org/10.1016/j.ceramint.2024.06.364</a>	5,532	1
RABiotech	Cereal Chemistry	John R. N. Taylor, Henriëtte L. de Kock, Edna Makule, Bruce R. Hamaker, Peiman Milani	Reduction in rancidity development in fortified whole-grain maize meal by hot-air drying of the grain	<a href="https://doi.org/10.1002/cche.10750">https://doi.org/10.1002/cche.10750</a>	2,534	1
ANEC	ChemElectroChem	Tchoumi FP, Fotsop CG, Tamne GB, Langmi HW, Kemmegne-Mbougouen JC, Ngameni E.	Electrochemical behaviour and sensing of chlorpromazine at polymer-free kaolin-based nanosodalite and nanosodalite-graphene foam film modified glassy carbon electrodes		4,782	1
ANFEC	Chemical Engineering Journal	Dinh-Trinh Tran, Thi-Phuong-Thao Vu, Santi Kongmany	Accelerating antibiotic degradation by integrating tertiary magnetic ZnFe <sub>2</sub> O <sub>4</sub> /BiVO <sub>4</sub> /rGO heterojunction with ozone-nanobubbles	10.1016/J.CEJ.2024.153306	16,744	2
BUF:01	Chemical Science International Journal	Sankara, A., Ouédraogo, J. C. W., Bonzi, S., Thévenon, M.F., & Coulibaly, Y. L. B.	Phytochemical Profile and Antibacterial Activity of Solid Residues from Hydrodistillation of <i>Cymbopogon nardus</i> from Burkina Faso	10.9734/CSJI/2024/v33i6930	NA	
ANCAP	Chemistry Africa	Mesha Mbisana, Tigist W. Zewde, Dikabo Mogopodi & Taye B. Demissie	Molecularly imprinted polymers for the selective recognition of microcystins: an African perspective	<a href="https://doi.org/10.1007/s42250-023-00740-1">https://doi.org/10.1007/s42250-023-00740-1</a>	NA	NA
ANCAP	Chemistry Africa	Mesha Mbisana, Dikabo Mogopodi, Rebagamang Tshepho, Inonge Chibua & Bonang Nkoane	Optimization of the QuEChERS Extraction of Mycotoxins in Maize Using Response Surface Methodology (RSM)	<a href="https://doi.org/10.1007/s42250-024-00965-8">https://doi.org/10.1007/s42250-024-00965-8</a>	NA	NA

ANEC	Chemistry Africa	DFaye, M Lo, D Seye, C A B Diop, M L Sall, M G Diop, I. Gning, A.K. Bhakta, A. Koné, M. Fall	Synergistic Effect of Copper oxide Nanoparticles and Diazonium-Modified Carbon Nanotubes for Colorimetric Detection of Dimethoate Residues in Food Product	<a href="https://doi.org/10.1007/s42250-024-01102+P5+E55ISS+Q56">https://doi.org/10.1007/s42250-024-01102+P5+E55ISS+Q56</a>	NA	
ANEC	ChemistrySelect	Somba A. V., Kamgaing T., Fotsop G.C., Deffo G., Wandji N. B., Tagne T. R. F., Tajeu K. Y., Temgoua R. C. T., Njanja E., Tonle I. K.	Preparation and characterization of alkali activated carbon based theobroma cocoa pods: application for electrochemical determination of xanthine in fresh fish sample	10.1002/slct.202303250	2.307	1
ANCAP	Chemosphere	Silver Odongo, Patrick Ssebugere, Peter S. Spencer, Valerie S. Palmer, Raquel Valdes Angues, Amos Deogratius Mwaka, John Wasswa	Organochlorine pesticides and their markers of exposure in serum and urine of children from a nodding syndrome hotspot in northern Uganda, East Africa	<a href="https://doi.org/10.1016/j.chemosphere.2024.143191">https://doi.org/10.1016/j.chemosphere.2024.143191</a>	8.520	1
ANCAP	Chemosphere	Ashirafu Miiro, Oghenekaro Nelson Odume, George William Nyakairu, Silver Odongo, Henry Matovu, Charles Drago Kato, Ivan Špánik, Mika Sillanpää, Edward Mubiru, Patrick Ssebugere	Per- and poly-fluoroalkyl substances in aquatic ecosystems and wastewater treatment works in Africa: Occurrence, ecological implications, and future perspectives	<a href="https://doi.org/10.1016/j.chemosphere.2024.143590">https://doi.org/10.1016/j.chemosphere.2024.143590</a>	8.520	1
ANCAP	Chemosphere	Emily Ngeno, Roselyn Ongulu, Victor Shikuku, Deo Ssentongo, Benton Otieno, Patrick Ssebugere, Francis Orata,	Response surface methodology directed modeling of the biosorption of progesterone onto acid activated Moringa oleifera seed biomass: Parameters and mechanisms	<a href="https://doi.org/10.1016/j.chemosphere.2024.142457">https://doi.org/10.1016/j.chemosphere.2024.142457</a>	8.520	1
ANCAP	Chemosphere	Weiwei Zhang, Huizhong Sun, Pu Wang, Ying Zhu, Chengjing Qian, Ruiqiang Yang, Yingming Li, Shuangjiang Li, Julius Matsiko, Qinghua Zhang, Guibin Jiang	Temporal and spatial distribution of novel brominated flame retardants in atmosphere of the Beijing-Tianjin-Hebei region, China	<a href="https://doi.org/10.1016/j.chemosphere.2024.143598">https://doi.org/10.1016/j.chemosphere.2024.143598</a>	8.520	1
UGA:01	Chemosphere	Odongo Silver, Patrick Ssebugere, Peter S. Spencer, Valerie S. Palmer, Raquel Valdes Angues, Mwaka Amos Deogratius, John Wasswa	Organochlorine pesticides and their markers of exposure in serum and urine of children from a nodding syndrome hotspot in Northern Uganda, East Africa.	<a href="https://doi.org/10.1016/j.chemosphere">https://doi.org/10.1016/j.chemosphere</a>	8.520	1
RABiotech	Cogent Food and Agriculture	Abel Tankoano, Kabakdé Kaboré, Marie Judith Samandoulougou-Kafando Pingdwindé, Isabelle Some Kerbou, Mariam Coulibaly-Diakité, Donatien Kaboré, Aly Savadogo, and Hagrétou Sawadaogo-Lingani	Characterization of spice ingredients and raw soumbala for the formulation of a highly nutritious seasoning	<a href="https://doi.org/10.1080/23311932.2024.2413387">https://doi.org/10.1080/23311932.2024.2413387</a>	2.161	0
ZAM:02	Crop Protection	James Nyirenda, Zombe Kadango, Evelyn Funjika, Gilson Chipabika	Larvicidal, ovicidal and antifeedant activity of crude cashew nutshell liquid against fall armyworm, Spodoptera frugiperda (J.E. smith), (Lepidoptera, Noctuidae)	<a href="https://doi.org/10.1016/j.cropro.2024.106619">https://doi.org/10.1016/j.cropro.2024.106619</a>	3.036	
ANFEC	Current Research on Biosciences and Biotechnology	Rafiza Islam, Raju Ahammad, Md. Mazharul Islam, Mohammad Shoeb, Md. Iqbal Rouf Mamun	High performance liquid chromatography assessment of antibiotic residues in poultry and fish feeds in Bangladesh	10.5614/crbb.2024.6.1/1AWW1JOK	NA	
ANCAP	Desalination and Water Treatment	Hamza Mohamed, Meseret Amde, Deribachew Bekana, Yared Merdassa	Thiourea-functionalized magnetic coffee residue for adsorption and magnetic solid-phase extraction of selected toxic metals in water	<a href="https://doi.org/10.1016/j.dwt.2024.100891">https://doi.org/10.1016/j.dwt.2024.100891</a>	1.452	1
ANRAP	Dhaka University Journal of Pharmaceutical Sciences	Khan MS, Rahman MH, Mosihuzzaman M, Rokeya B	Preliminary Phytochemical Screening and in vitro Antioxidant Capacity of Some Traditional Medicinal Plants of Bangladesh			
ANFEC	Dhaka University Journal of Science	Abida Sultana, Md. Mazharul Islam, Mohammad Shoeb, Md. Iqbal Rouf Mamun and Nilufar Nahar	Assessment of Polycyclic Aromatic Hydrocarbons in Urban Water Bodies: A Study of Rivers and Lakes in Dhaka, Bangladesh	<a href="https://doi.org/10.3329/dujs.v72i2.75474">https://doi.org/10.3329/dujs.v72i2.75474</a>	NA	
ANFEC	Dhaka University Journal of Science	Shatabdi Roy, Forkan Saroar, Md. Mazharul Islam, Nilufar Nahar and Mohammad Shoeb	Synthetic Colorants in Traditional Sweetmeat (Laddu) Available in Dhaka City, Bangladesh	<a href="https://doi.org/10.3329/dujs.v72i2.75470">https://doi.org/10.3329/dujs.v72i2.75470</a>	NA	

ANEC	Digest Journal of Nanomaterials and Biostructures	M G Diop, M Gueye, M Lo, D Faye, M Cisse, M Guene	Development of a hybrid material based on Zn-Mg spinel ferrites covered with polypyrrole: structural, morphological, and electrical characteristics	<a href="https://doi.org/10.15251/DJNB.2024.193.1215">https://doi.org/10.15251/DJNB.2024.193.1215</a>	0.899	1
ANCAP	Discover Agriculture	Jonathan, S.S., Nalumansi, I. & Birungi, G.	Aflatoxins in cattle concentrate feed and potential carry-over of aflatoxin B1 into milk in Dar es Salaam, Tanzania	<a href="https://doi.org/10.1007/s44279-024-00018-1">https://doi.org/10.1007/s44279-024-00018-1</a>	NA	NA
RABiotech	Discover Food	Konan K. Toussaint YAO, Marius K. Somda, Iliassou Mogmenga, Mahamadi Nikiema, Yerobessor Dabire, Assietta Ouattara, Donatien Kabore, and Mamoudou H. DICKO	Free amino acids profile of pulp of Saba senegalensis (A.DC.) Pichon fruit in the three climatic areas of Burkina Faso.	<a href="https://doi.org/10.1007/s44187-024-00080-0">https://doi.org/10.1007/s44187-024-00080-0</a>	NA	1
RWA:01	Discover Toxicology	A E Sunguti, J K Kibet, T K Kinyanjui, A M Oyugi, T Muhizi	The analysis of potentially toxic heavy metal contamination in the Lake Bogoria geothermal springs	<a href="http://link.springer.com/article/10.1007/s44339-024-00003-9">link.springer.com/article/10.1007/s44339-024-00003-9</a>	NA	
ANEC	Dyes and Pigments	M Niang, M L Sall, B Fall, S Ba, M Lo, Y A Alli, A K D Diaw, D Gningue-Sall	Development of a novel fluorimetric sensor based on polypyrrole doped with 4-(methylsulfonyl)-2-nitrobenzoic acid (MSNBA) for sensitive detection of copper (Cu <sup>2+</sup> )	<a href="https://doi.org/10.1016/j.dyepig.2024.11+P60+O+A60">https://doi.org/10.1016/j.dyepig.2024.11+P60+O+A60</a>	5.122	1
ANCAP	Earth	Andrew Kaggwa Denis Byamugisha, Timothy Omara, Emmanuel Ntambi	Assessment of Potentially Toxic Elements and Their Risks in Water and Sediments of Kitengure Stream, Buhweju Plateau, Uganda	<a href="https://doi.org/10.3390/earth5040039">https://doi.org/10.3390/earth5040039</a>	NA	1
RABiotech	Ecological Engineering	Cheik Omar Tidiane Compaoré, Ynoussa Maiga, Issa Nagalo, Mamady Sawadogo, Sandrine G. Zongo, Oumarou Mien, Mahamadi Nikiéma, Amidou S. Ouili, Iliassou Mogmenga, Cheik Amadou Tidiane Ouattara, James R. Mihelcic, Aboubakar Sidiki Ouattara	Effect of greywater treated by horizontal subsurface flow wetlands planted with Chrysopogon zizanioides and Andropogon gayanus on the germination of tomato (Lycopersicon esculentum Mill.) seeds under Sahelian climate	<a href="https://doi.org/10.1016/j.ecoleng.2023.107165">https://doi.org/10.1016/j.ecoleng.2023.107165</a>	4.379	1
ANEC	Electroanalysis	Njimou JR, Sieugaing MT, Nanseu-Njiki CP, Ngameni E.	Bio-based Nanomaterial in Carefully Designed Carbon Paste Electrode for the Detection of Methyl Orange		3.077	1
ANEC	Electroanalysis	Tchekwagep PMS, Žalnėravičius R, Nanseu-Njiki CP, Ngameni E, Arnebrant T, Ruzgas T.	Electrochemical insights into layered assemblies of silver nanoparticles, poly-L-lysine, and bovine serum albumin.	<a href="https://doi.org/10.1002/elan.202400031">10.1002/elan.202400031</a>	3.077	1
ANEC	Electroanalysis	N. Raouafi, I. Diédhiou, A. Sbei, M. Fall, S.B. Aoun, R. Zarrougui	Simultaneous detection of trace Pb (II) and Cd (II) cations in ore samples by anodic stripping analysis using pMO/erGO-modified glassy carbon electrodes	<a href="https://doi.org/10.1002/elan.202300072">https://doi.org/10.1002/elan.202300072</a>	3.077	1
ANEC	Electroanalysis	Boutianala M, Pengou M, Ngassa GBP, Hou P, Tchekwagep JK, Tchakouté HK, Nanseu-Njiki CP, Ngameni E.	Synthesis of a hematite-geopolymer composite: optimization of formulation parameters and application to the detection of pb <sup>2+</sup> ions in aqueous solution	<a href="https://doi.org/10.1002/elan.2023000420">10.1002/elan.2023000420</a>	3.077	1
RABiotech	Electronics (Switzerland)	Mohamed Lamine Touré, Mamadou Bailo Camara, and Brayima Dakyo	Symmetrical multilevel high voltage-gain boost converter control strategy for photovoltaic systems applications	<a href="https://doi.org/10.3390/electronics13132565">https://doi.org/10.3390/electronics13132565</a>	2.690	
ANCAP	Emerging Contaminants	Godfrey Muhwezi, Christine Kyarimpa, Ivan Gumula, Christine Betty Nagawa, Solomon Omwoma, Henry Matovu, Julius Matsiko, Silver Odongo, Douglas Sifuna, Ivan Špánik, Charles Drago Kato, Patrick Ssebugere	Legacy and emerging organic pollutants in indoor and outdoor environments in Africa: Contamination levels, health risks, and analytical techniques	<a href="https://doi.org/10.1016/j.emcon.2025.100468">https://doi.org/10.1016/j.emcon.2025.100468</a>	NA	1
ANEC	Emerging Materials Research	A Raouafi, I Diedhiou, A H. Almarri & N Raouafi	Gold-modified laser-scribed lettuce-like graphene electrodes for ultrasensitive detection of bioactive molecules	<a href="https://doi.org/10.1007/s42247-024-00750-w">https://doi.org/10.1007/s42247-024-00750-w</a>	NA	1

RABiotech	Emirates Journal of Food and Agriculture	Razika Boukert, Mira Chikhaoui, Dahia Saidj, Baaissa Babelhadj, Hanane Damene, Souad Benali, Alia Simona Abdul Hussain, and Naima Sahraoui	Histopathological investigation and risk factors of Coccidiosis in camels ( <i>Camelus dromedarius</i> ), Algeria	<a href="https://doi.org/10.3897/ejfa.2024.118325">https://doi.org/10.3897/ejfa.2024.118325</a>	1.031	1
ETH:01	Energy Fuels	Kidan G. Gebremariam, Fekadu G. Hone, Asfaw Negash, Zewdneh Genene, Jane Dai, Alemayehu G. Waketola, Genene T. Mola, Wendimagegn Mammo, and Newayemedhin A. Tegege	Self-assembled monolayer engineered ZnO electron transport layer to improve the photostability of organic solar cells	10.1021/acs.energyfuels.4c01558	4.654	1
ANCAP	Environmental Research	Yu Liu, Fang Wang, Ziquan Wang, Leilei Xiang, Yuhao Fu, Zhiliang Zhao, Fredrick Orori Kengara, Zhi Mei, Chao He, Yongrong Bian, Ravi Naidu, Xin Jiang,	Soil properties and organochlorine compounds co-shape the microbial community structure: A case study of an obsolete site	<a href="https://doi.org/10.1016/j.envres.2023.117589">https://doi.org/10.1016/j.envres.2023.117589</a>	8.399	2
ANCAP	Environmental Science and Pollution Research	Hellar-Kihampa, H.	Reviewing the interdecadal dynamics of micropollutants in the Tanzanian coastal zone from 2002 to 2022	<a href="https://doi.org/10.1007/s11356-024-31839-8">https://doi.org/10.1007/s11356-024-31839-8</a>	5.053	0
ANCAP	Environmental Toxicology and Pharmacology	Emmanuel Njale, John A.M. Mahugija, Dativa J. Shilla, Nazima Dharsee, Nyimvua S. Mbare,	Association between exposure to heavy metals and the risk of breast cancer: A case-control study in Tanzania	<a href="https://doi.org/10.1016/j.etap.2024.104498">https://doi.org/10.1016/j.etap.2024.104498</a>	4.952	1
RABiotech	Epilepsia Open	Shawheen J. Rezaei, Fodé Abass Cissé, Mohamed Lamine Touré, Rui Duan, Dylan R. Rice, Andrew Siyoon Ham, Damien de Walque, and Farrah J. Mateen	E = mc2: Education (E), medication (m), and conditional cash (c2) to improve uptake of antiseizure medications in a low-resource population: Protocol for randomized trial	<a href="https://doi.org/10.1002/epi4.12889">https://doi.org/10.1002/epi4.12889</a>	4.026	1
RABiotech	Epilepsia Open	Foksouna Sakadi, Christian Madjirabe Ngardidjim, Mohamed Lamine Toure, Dakisia Kamis, Christelle Nderbe Melom, Doufene Diponbe, Anicet Foksia Intel, Carlos Othon Nguelngar, Anatole Balanmo, Babing-ne Kobada, Nalire Desire, and Amara Cisse	Epilepsy in CHAD: Realities, constraints, and prospects	<a href="https://doi.org/10.1002/epi4.13087">https://doi.org/10.1002/epi4.13087</a>	4.026	1
ETH:02	Ethiopian Pharmaceutical Journal	Sileshi Yimer, Mariamawit Y. Yeshak, Solomon Tadesse, Kaleab Asres, Daniel Bisrat	In vivo anti-diarrhoeal activity and molecular docking studies of a coumarin isolated from the root extract of <i>Impatiens ethiopicum</i> grey-wilson	<a href="http://dx.doi.org/10.4314/epj.v38i2.2">http://dx.doi.org/10.4314/epj.v38i2.2</a>	NA	
RABiotech	Ethnobotany Research and Applications	JothamYhi Pênê N'do, Dramane Paré, Loyapin Bondé, Samson Guenne, Adama Hilou, and Martin Kiendrebeogo	Indigenous knowledge and uses of medicinal plants in Ouagadougou, Burkina Faso	<a href="https://doi.org/10.32859/era.29.22.1-15">https://doi.org/10.32859/era.29.22.1-15</a>	NA	1
RABiotech	Ethnobotany Research and Applications	Sintayehu Tamene Beyene, Mesele Negash, Fortunatus Bulabo Makonda, and Linley Chiwona-Karlton	Local community perception on medicinal plant knowledge use and influencing variables among three ethnic groups in peri-urban areas of south-central Ethiopia	<a href="https://doi.org/10.32859/era.29.36.1-16">https://doi.org/10.32859/era.29.36.1-16</a>	NA	1
RABiotech	European Chemistry Bulletin	Ernest N. Sombié, Wendkouni L. M. E. Belem-kabré, Ollou Youl, Donzèo G. Somda, Y-p N Jotham, Dramane Paré, Tata K. Traoré, Noufou Ouédraogo, and Adama Hilou	Phytochemistry, anti-oxidative activity, lipoxygenase inhibitory and prophylactic effect against liver damage in vivo of aqueous decoction of <i>Calotropis procera</i> roots barks, a traditional form used in the management liver diseases in Burkina Faso	<a href="https://doi.org/10.5355/ecb/2024.13.01.19">https://doi.org/10.5355/ecb/2024.13.01.19</a>	NA	
ANCAP	European Journal of Applied Sciences	Bbumba, S., Karume, I., Nsamba, H. K., Kigozi, M., & Kato, M	An insight into isotherm models in physical characterization of adsorption studies	10.14738/aivp.122.16738	NA	
RWA:01	European Journal of Chemistry	A E Sunguti, T Muhizi, J K Kibet, T K Kinyanjui	Geochemical survey of the Nyamyumba and Bugarama hot springs in the western province of Rwanda	<a href="https://doi.org/10.5155/eurjchem.15.1.31-38.2487">https://doi.org/10.5155/eurjchem.15.1.31-38.2487</a>	NA	

RABiotech	European Journal of Nutrition & Food Safety	Yves Roland Deli, Jean-Baptiste Adepo Aholia, Audrey Herbert Yépié, Elisée Kouakoua Yapi, and Louise Anin Atchibri	Artificial Ripening of Mango ( <i>Manguiifera indica</i> . L) with Calcium Carbide (CaC <sub>2</sub> ) and Ethephon: Problem of Fruit Safety in the Markets of Abidjan, Côte D'ivoire	<a href="https://doi.org/10.9734/ejnfs/2024/v16i21389">https://doi.org/10.9734/ejnfs/2024/v16i21389</a>	NA	0
ETH:02	Evidence-Based Complementary and Alternative Medicine	Tekeste Abebe, Ariaya Hymete, Mirutse Giday, Daniel Bisrat	Antidepressant-like activity and molecular docking analysis of a sesquiterpene lactone isolated from the root bark of <i>Ximenia americana</i> (L.)	<a href="https://doi.org/10.1155/2024/6680821">https://doi.org/10.1155/2024/6680821</a>	2.650	
ZIM:01	Food and Feed Research	Prosper Chopera, Blessing Gwekwe, Tonderayi M Matsungu, Loveness K Nyanga, Catherine Chidewe, Stanley Mukanganyama, Elijah Nyakudya, Florence Mtambanengwe, Paul Mapfumo	Development, optimization and the orhanoleptic properties of extruded sorghum-based gluten-free pasta	10.5973/ffr0-47055	NA	1
ZAM:02	Food and Humanity	Phiri, H., Lumai, A., Zombe, K., & Nyirenda, J.	Evaluation of antioxidant activity of selected wild fruits and vegetables from Zambia	<a href="https://doi.org/10.1016/j.foohum.2024.100390">https://doi.org/10.1016/j.foohum.2024.100390</a>	NA	
RABiotech	Food and Nutrition Bulletin	Viviane Aurelie TAPSOBA, Ella W. R. Compaore, Augustin Nawidimbasba Zeba, Jerome Winbetourefa Some, Inoussa Ky, Julien Soliba Manga, Adama Diouf, Jean-Claude Moubarac, Stefanie Vandevijvere, and Mamoudou H. DICKO	Food Environment in Burkina Faso: Review of Public Policies and Government Actions Using the Food-EPI Tool	<a href="https://doi.org/10.1177/03795721241248214">https://doi.org/10.1177/03795721241248214</a>	2.244	1
ETH0:05	Food Chemistry: X	TB Asfaw, MG Tadesse, FB Tessema, HW Woldemariam, AV Chinchkar, A Singh, A. Upadhyay, B Mehari,	Ultrasonic-assisted extraction and UHPLC determination of ascorbic acid, polyphenols, and half-maximum effective concentration in <i>Citrus medica</i> and <i>Ziziphus spina-christi</i> fruits using multivariate experimental design	10.1016/j.fochx.2024.101310	6.443	1
ANRAP	Frontiers in Antibiotics	Shaila Haque, Md Yusuf Jamil, Md. Shahinul Haque Khan, Md. Sajib Al Reza, Md. Esrafil, Md. Zainul Abedin, Md. Abu Zubair, Md. Asaduzzaman Sikder and Luthfunnesa Bari	Health risk assessment of ciprofloxacin, tetracycline, and oxytetracycline residues in raw, frozen, and boiled broiler chicken available in local area of Bangladesh	<a href="https://doi.org/10.3389/frabi.2024.1364946">doi.org/10.3389/frabi.2024.1364946</a>	NA	1
RABiotech	Frontiers in Communication	Cristián Alarcón-Ferrari, Mari Jönsson, Thao Do, Solomon Gebreyohannis Gebrehiwot, Linley Chiwona-Karlton, Cecilia Mark-Herbert, Neil Powell, Alejandro Ruete, Tuija Hilding-Rydevik, and Kevin Bishop	Analyzing environmental communication and citizen science in the context of environmental monitoring and assessment for Agenda 2030 in rural settings of Chile and Sweden	<a href="https://doi.org/10.3389/fcomm.2024.1387111">https://doi.org/10.3389/fcomm.2024.1387111</a>	NA	1
RABiotech	Frontiers in Environmental Health	Wemboo Afiwa Halatoko, Essozimna Sondou, Ghislain Emmanuel Sopoh, Amèwouga Kassegne, Gnatoulma Katawa, Mounerou Salou, Simplicie Damintoti Karou, and Edgard-Marius Ouendo	Knowledge, attitudes and practices in biosafety and biosecurity in medical biology laboratories in Togo, 2021	<a href="https://doi.org/10.3389/fenvh.2024.1387476">https://doi.org/10.3389/fenvh.2024.1387476</a>	NA	
RABiotech	Frontiers in Nutrition	Ella W. R. Compaoré, Ousmane Ouédraogo, Tiatou Souho, Marcel D. Bengaly, Mamouna P. Simporé, and Mamoudou H. Dicko	Analysis of the nutritional composition and organization of school meals in the province of Kadiogo in Burkina Faso: challenges and prospects	<a href="https://doi.org/10.3389/fnut.2023.1309730">https://doi.org/10.3389/fnut.2023.1309730</a>	6.590	1
RABiotech	Frontiers in Nutrition	Salamata TIENDREBEOGO, Clarisse Sidbewebdé Compaoré, Raymond Poussian Barry, Edwige Bahanla Oboulbiga, and Mamoudou H. DICKO	Comparison of nutritional, bioactive potential and antioxidant properties of <i>Saba senegalensis</i> fruit pulps from five regions of Burkina Faso.	<a href="https://doi.org/10.3389/fnut.2024.1358968">https://doi.org/10.3389/fnut.2024.1358968</a>	6.590	1
RABiotech	Frontiers in Nutrition	V. A TAPSOBA, Ella CWR, AN Zeba, JW Some, JS Manga, A Diouf, J-C Moubarac, S Vandevijvere, and Mamoudou H. DICKO	Food environment in Burkina Faso: priority actions recommended to the government using Food-EPI tool	<a href="https://doi.org/10.3389/fnut.2024.1420323">https://doi.org/10.3389/fnut.2024.1420323</a>	6.590	1

RABiotech	Frontiers in Nutrition	Natacha Kere, Ella W. R. Compaore, Youssouf Keita, Daniel S. Ouedraogo, Souleymane Tirogo, Estelle A. Bambara, Z. Thierry Coulibaly, and Mamoudou H. Dicko	Impact of IYCF practices, as measured by national nutrition surveys from 2018 to 2022, on stunting and under-5 survival in Burkina Faso: a LIST analysis	<a href="https://doi.org/10.3389/fnut.2024.1504564">https://doi.org/10.3389/fnut.2024.1504564</a>	6.590	1
RABiotech	Frontiers in Sustainable Food Systems	Judith Irene Nagasha, Michael Ocaido, Elisabeth Rajala, Assem Abu Hatab, and Linley Chiwona-Karltun	Gender-based approaches for improving milk safety, value addition, and marketing among smallholder livestock farmers	<a href="https://doi.org/10.3389/fsufs.2024.1392020">https://doi.org/10.3389/fsufs.2024.1392020</a>	5.005	1
RABiotech	Frontiers in Tropical Diseases	Christelle Simfele Hombamane, Gnatoulma Katawa, Kathrin Arndts, Christèle Nguepou Tchopba, Oukoe Marthe Amessoudji, Edlom Pélagie Tchadie, Simplicie Damintoti Karou, Yaovi Ameyapoh, Achim Hoerauf, Kolou Malewe, Laura Layland-Heni, and Manuel Ritter	Is a mass drug administration deworming programme for school-aged children enough to reduce the prevalence of soil-transmitted helminths and Schistosoma mansoni in adults: a cross-sectional study from Togo	<a href="https://doi.org/10.3389/fitd.2024.1283532">https://doi.org/10.3389/fitd.2024.1283532</a>	NA	1
RABiotech	Frontiers in Water	Frédéric Anderson Konkobo, Mamounata Diao, Elisabeth Rakisewendé Ouédraogo, Poussian Raymond Barry, Balamoussa Santara, Sandrine Zongo, Noëlle Edwige Roamba, Roger Dakuyo, Abdoudramane Sanou, Kabakdé Kaboré, David Bazié, Paul Windinpsidi Savadogo, and Mamoudou Hama Dicko	Study of a new biocoagulant/bioflocculant mixture based on Boscia senegalensis seeds powder and Aloe vera leaves extract for the treatment of raw water intended for human consumption in rural areas of Sub-Saharan Africa	<a href="https://doi.org/10.3389/frwa.2024.1453707">https://doi.org/10.3389/frwa.2024.1453707</a>	NA	1
RABiotech	Genetic Resources	Ahmed Aldow, Joana Magos Brehm, Maha Kordofani, Fatouma Abdoul-Latif, and Nigel Maxted	Checklist and prioritization of crop wild relatives in Sudan and South Sudan	<a href="https://doi.org/10.46265/genresj.BQW2172">https://doi.org/10.46265/genresj.BQW2172</a>	NA	1
RABiotech	Global Pediatric Health	Ousmane OUÉDRAOGO, Ella Wendpouigoudinkondo Rakièta Compaoré, Ousmane Ouédraogo, Mediatrice Kiburente, and Mamoudou H. DICKO	Prevalence and associated factors of anemia in children aged 6 to 59 months in the eastern region of Burkina Faso.	<a href="https://doi.org/10.1177/2333794X241263163">https://doi.org/10.1177/2333794X241263163</a>	NA	1
RABiotech	GSC Biological and Pharmaceutical Sciences	Elisabeth GOLI Ahou, Charlemagne NINDJIN, Alfred KOUAME Kohi, Brahirma KANDE, and Hypolithe KOUADIO Yapo	Effects of hydroethanolic formulations based on Garcinia kola kernel and Chrysophlum cainito leaves on the organs of diabetic mice	<a href="https://doi.org/10.30574/gscbps.2024.28.2.0303">https://doi.org/10.30574/gscbps.2024.28.2.0303</a>	NA	
ANCAP	Heliyon	Fred S. Wanyonyi, Francis Orata, Gershom K. Mutua-Michael O. Odey, Sizwe Zamisa, Sopuruchukwu E. Ogbodo, Francis Maingi, Anthony Pembere	Application of South African heulandite (HEU) zeolite for the adsorption and removal of Pb <sup>2+</sup> and Cd <sup>2+</sup> ions from aqueous water solution: Experimental and computational study	<a href="https://doi.org/10.1016/j.heliyon.2024.e34657">https://doi.org/10.1016/j.heliyon.2024.e34657</a>	3.752	1
BUF:01	Heliyon	Ouédraogo, J.C.W, Henoumont, C., Semay, I., Kini, F.B., Laurent, S., Gerbaux, P., & Coulibaly, Y. L. B.	Flavonoid glycosides from Odontonema strictum leaves	<a href="https://doi.org/10.1016/j.heliyon.2024.e37273">10.1016/j.heliyon.2024.e37273</a>	3.752	1
RABiotech	Heliyon	Fatma Arrari, Mohamed Amine Jabri, Ala Ayari, Nouha Dakhli, Chayma Ben Fayala, Samir Boubaker, and Hichem Sebai	Amino acid HPLC-FLD analysis of spirulina and its protective mechanism against the combination of obesity and colitis in wistar rats	<a href="https://doi.org/10.1016/j.heliyon.2024.e30103">https://doi.org/10.1016/j.heliyon.2024.e30103</a>	3.752	1
RABiotech	Heliyon	Cheik Omar Tidiane Compaoré, Amidou S. Ouili, Sandrine G. Zongo, Djamilatou Dabré, Ynoussa Maiga, Iliassou Mogmenga, Dagoro Palé, Raogo Guy Noel Tindouré, Mahamadi Nikiema, Cheik Amadou Tidiane Ouattara, and Aboubakar Sidiki Ouattara	Assessing greywater characteristics in the sahel region and perception of the local population on its reuse in agriculture	<a href="https://doi.org/10.1016/j.heliyon.2024.e33473">https://doi.org/10.1016/j.heliyon.2024.e33473</a>	3.752	1
RABiotech	Heliyon	Jotham Yhi-pènè N'do, Dramane Paré, Loyapin Bondé, Adama Hilou	Comparative phytochemical profile and biological activity of three Terminalia species as alternative antimicrobial therapies	<a href="https://doi.org/10.1016/j.heliyon.2024.e40159">https://doi.org/10.1016/j.heliyon.2024.e40159</a>	3.752	1

RABiotech	Heliyon	Oscar Bienvenu Oloudé Odouaro, Adéchola Pierre Polycarpe Kayodé, Médérice Sènanmi Behanzin, Martinus J. Ro. Nout, and Anita R. Linnemann	Extraction of dye sorghum biocolorant for the dyeing of wagashi, a West African soft cheese	<a href="https://doi.org/10.1016/j.heliyon.2024.e39065">https://doi.org/10.1016/j.heliyon.2024.e39065</a>	3.752	1
RABiotech	Heliyon	Ali Salem, Ola Abdelhedi, Fadia Ben Taheur, Chalbia Mansour, Sihem Safta Skhiri, Hichem Sebai, Mourad Jridi, Nacim Zouari, and Nahed Fakhfakh	Novel garden cress-fish gelatin based ointment: Improvement of skin wound healing in rats through modulation of anti-inflammatory and antioxidant states	<a href="https://doi.org/10.1016/j.heliyon.2024.e33048">https://doi.org/10.1016/j.heliyon.2024.e33048</a>	3.752	1
RABiotech	Heliyon	Ifagbémi Bienvenue Chabi, Oscar Zannou, Emmanuelle S. C. A. Dedehou, Bernolde Paul Ayegnon, Oloudé B. Oscar Odouaro, Sajid Maqsood, Charis M. Galanakis, and Adéchola Pierre Polycarpe Kayodé	Tomato pomace as a source of valuable functional ingredients for improving physicochemical and sensory properties and extending the shelf life of foods: A review	<a href="https://doi.org/10.1016/j.heliyon.2024.e25261">https://doi.org/10.1016/j.heliyon.2024.e25261</a>	3.752	1
RABiotech	Heliyon	Clarisse Pulchérie Kondombo, Pierre Kaboré, David Kambou, Issaka Ouédraogo	Assessing yield performance and stability of local sorghum genotypes: A methodological framework combining multi-environment trials and participatory multi-trait evaluation	<a href="https://doi.org/10.1016/j.heliyon.2024.e25114">https://doi.org/10.1016/j.heliyon.2024.e25114</a>	3.776	1
ZAM:02	Humanities and Social Sciences Communications	James Nyirenda, Harriet Malabo	Mineral and bioresource exploitation for transformation and sustainability of the chemical industry in Zambia	<a href="https://doi.org/10.1057/s41599-023-02513-0">https://doi.org/10.1057/s41599-023-02513-0</a>	2.731	1
ANCAP	Industrial Crops and Products	Gokul Raghavendra Srinivasan, Krishna Kumar Yadav, Arif Senol Sener, Zaher Mundher Yaseen, Mudassir Hasan, Fredrick Orori Kengara	Mono- and Co- solvency based transesterification of Caryota urens seed oil	<a href="https://doi.org/10.1016/j.emcon.2025.100468">https://doi.org/10.1016/j.emcon.2025.100468</a>	6.508	1
RABiotech	Infection and Drug Resistance	Sanhitouo Charlemagne Dabiré, Marius K. Somda, Léon W. Nitiéma, Dinanibè Kambiré, Samiratou Kiemtoré, Serge Théophile Soubeiga, Abdou Azaque Zouré, Konan Kouakou Toussaint Yao, Tegwindé Rebeca Compaoré, Henri Gautier Ouedraogo, and Mamoudou H. Dicko	Prevalence and antibiotic susceptibility of pathogenic enterobacteria strains from three biotopes in the city of Ouagadougou (Burkina Faso)	<a href="https://doi.org/10.2147/IDR.S485200">https://doi.org/10.2147/IDR.S485200</a>	4.177	1
ANEC	International Journal of Biological and Chemical Sciences	G Diouf, AKD Dimé, A. Dia, B, Yatt, M. Fall,	Caractérisation physico-chimique des sols situés dans une zone à forte pollution industrielle: Cas des communes de Ngoundiane et de Rufisque au Sénégal	<a href="https://dx.doi.org/10.4314/ijbcs.v18i3.32">https://dx.doi.org/10.4314/ijbcs.v18i3.32</a>	NA	NA
ETHO:05	International Journal of Biological Macromolecules	LA Worku, RK Bachheti, MG Tadesse, A Bachheti, A Husein	Synthesis of carboxylated cellulose nanocrystal/ZnO nanohybrids using Oxytenanthera abyssinica cellulose and zinc nitrate hexahydrate for radical scavenging, photocatalytic, and antibacterial activities,	<a href="https://doi.org/10.1016/j.ijbiomac.2024.131228">https://doi.org/10.1016/j.ijbiomac.2024.131228</a> .	8.025	0
RABiotech	International Journal of Current Microbiology and Applied Sciences	Hamidou Compaoré, Dissinviel Stéphane Kpoda, and Serge Samandoulougou	Assessment of the Antimicrobial Activities of Lannea microcarpa, Parkia Assessment of the Antimicrobial Activities of Lannea microcarpa, Parkia biglobosa, and Vittelaria paradoxa Barks in Burkina Faso	<a href="https://doi.org/10.20546/ijcmas.2024.1308.028">https://doi.org/10.20546/ijcmas.2024.1308.028</a>	NA	
ANEC	International Journal of Current Research in Chemistry and Pharmaceutical Sciences	Mor Cissé, Mamadou Guèye, Modou Gningue Diop and Makhtar Guène	Composite PANI@NiO.6Co2.4 O4, active material forenergy storage systems such as supercapacitor	<a href="http://dx.doi.org/10.22192/ijrcps.2024.11.04.005">http://dx.doi.org/10.22192/ijrcps.2024.11.04.005</a>	NA	
RABiotech	International Journal of Environmental Research and Public Health	Frédéric Anderson KONKOBO, Mamounata Diao, Paul Windinpsidi Savadogo, Roger Dakuyo, Noëlle Edwige Roamba, Sandrine Zongo, and Mamoudou H. DICKO	Reduction of Malnutrition Related to Unsafe Water Consumption in Developing Countries: Potabilization of Surface Water and Traditional Well Water, with Extracts of Moringa oleifera, Boscia senegalensis, Opuntia-ficus indica and Aloe vera	<a href="https://doi.org/10.3390/ijerph21050519">https://doi.org/10.3390/ijerph21050519</a>	4.614	1

RABiotech	International Journal of Food Science and Agriculture	Rasmata Dabo, Edwige Bahanla Oboulbiga, Olivier Banhoro, Sinaly Diarra, and Fatoumata Hama-ba	Technological Aptitude and Acceptability of Four Sesame Varieties from Burkina Faso in Pastes and Biscuits	<a href="https://doi.org/10.26855/ijfsa.2024.09.003">https://doi.org/10.26855/ijfsa.2024.09.003</a>	NA	
RABiotech	International Journal of Health Planning and Management	Maimouna Halidou Doudou, Ousmane Ouedraogo, Sarah Cruz, Dieudonné Diasso, and Mohamed Levrac	Enabling environment and challenges for UN joint programming to strengthen nutrition: A multi-country survey in Burkina Faso, Mali, and Senegal	<a href="https://doi.org/10.1002/hpm.3759">https://doi.org/10.1002/hpm.3759</a>	2.298	1
RABiotech	International Journal of Health Planning and Management	Ousmane Ouedraogo, Salif Siguré, Simon Sanou, Aissata Kaboré, Marie Michele Dahany, and Saidou Diallo	Landscape analysis of healthcare workforce and resilience actions in the Sahelian context of high security challenge areas: The case of Burkina Faso	<a href="https://doi.org/10.1002/hpm.3764">https://doi.org/10.1002/hpm.3764</a>	2.298	1
ETH:02	International Journal of Molecular Sciences	Aman Dekebo, Chalshisa Geba, Daniel Bisrat Jin Boo Jeong, Chuleui Jung	Wound Healing, anti-inflammatory and anti-oxidant activities, and chemical composition of Korean Propolis from different sources	<a href="https://doi.org/10.3390/ijms252111352">https://doi.org/10.3390/ijms252111352</a>	6.208	Under discussion
BUF:01	International Journal of Phytopathology	Sedego, K. J. E., Ouédraogo, J. C. W., Sanon, E, Kassankogno, A. I., Dabiré, K., Sankara, P., & Coulibaly, Y. L. B.	Evaluation of the efficacy of two aromatic plant extracts against phytopathogenic tomato fungi in Burkina Faso	10.33687/phytopath.013.01.4682	NA	
ETH0:05	International Journal of Polymer Science	MZ Birhanu, MG Tadesse, RK Bachheti, IN Ahmed, A Bachheti	A Statistical Empirical Model and RSM-Guided Isolation and Characterization of Cellulose from Invasive Weed Sennadidymobotrya (Fresen.) Irwin & Barneby, through chemical and spectroscopic techniques	10.1155/2024/580338	2.973	1
ANFEC	International Journal of Research and Innovation in Applied Science (IJRIAS)	Anika Haider, Md. Mazharul Islam, Mst. Habiba Khatun and Mohammad Shoeb	Exploring the quality of bottled drinking water in Dhaka, Bangladesh: A focus on physicochemical parameters, heavy metals, and microbial contamination	<a href="https://doi.org/10.51584/IJRIAS.2024.910012">https://doi.org/10.51584/IJRIAS.2024.910012</a>	NA	
UGA:01/ANCAP	International Journal of Sustainable Engineering	Mulindwa Patrick, Job S. Kasule, Florence Nantaba, John Wasswa and Antonio Jose Expósito	Bioadsorbents for removal of microplastics from water ecosystems: a review	<a href="https://doi.org/10.1080/19397038.2024.2374003">https://doi.org/10.1080/19397038.2024.2374003</a>	NA	1
ZIM:01	International Journal on Food, Agriculture, and Natural Resources	Blessing Gwekwe, Prosper Chopera, Tonderayi M Matsungu, Catherine Chidewe, Stanley Mukanganyama, Elijah Nyakudya, Florence Mtambanengwe, Paul Mapfumo and Loveness K Nyanga	Effect of dehulling, fermentation, and roasting on the nutrient and anti-nutrient content of sorghum and pearl millet flour	<a href="https://doi.org/10.46676/ij-fanres.v5i1.221">https://doi.org/10.46676/ij-fanres.v5i1.221</a>	NA	
ANEC	International Research Journal of Pure and Applied Chemistry	M. Lo, D. Faye, D. Seye, M. Dieng, M.L. Sall, D.D. Thiaré, A.K.D. Diaw, M. Fall	A novel method for combination of ionic conductivity and photometry methods for the determination of the aqueous solubility of a new diisopropylammonium hydrogenmaleate crystalline molecule	<a href="https://doi.org/10.9734/irjpac/+P56+O56+N56+M56+L+E56 2231-3443">https://doi.org/10.9734/irjpac/+P56+O56+N56+M56+L+E56 2231-3443</a>	NA	
ANEC	International Research Journal of Pure and Applied Chemistry	Wende-Konté Hazael Conania Nikiema, Ousmane Ilboudo, Issa Tapsoba	Anti-diabetic activities of the extracts from euphorbia hirta l. (euphorbiaceae) specie found in Burkina Faso Using $\alpha$ -Glucosidase Inhibitor	<a href="https://doi.org/10.9734/irjpac/2024/v25i4865">https://doi.org/10.9734/irjpac/2024/v25i4865</a>	NA	
ANEC	Journal de la Société Ouest-Africaine de Chimie	Yssouf Karanga, Hamidou Têda Ganamé, Wende-Konté Hazael Conania Nikiema, Ousmane Ilboudo, Issa Tapsoba	Antiradical and anticancer activities of extracts of Euphorbia hirta L. (Euphorbiaceae) from Burkina Faso		NA	
ANEC	Journal of Analytical Methods in Chemistry	Wendji APK, Tcheumi HL, Tonle IK, Ngameni E.	No data	<a href="https://doi.org/10.1155/2024/9237309">https://doi.org/10.1155/2024/9237309</a>	2.594	1
ANEC	Journal of Applied Electrochemistry	Ngassa P. G. B., Tchoffo R., Boutianala M., Nintedem L., Yameni-Tchonguang S. A., Leuga-Fogang H. F., Tonle I. K.	Electrochemical sensor based on a thin film of organokaolinite material modified glassy carbon electrode (GCE) and application	10.1007/s10800-024-02101-3	2.925	1

			to the simultaneous sensitive detection of Pb <sup>2+</sup> and Cu <sup>2+</sup> ions in contaminated water			
ANEC	Journal of Applied Electrochemistry	Tchoumi FP, Tamo AK, Doungmo G, Fotsop CG, Kemmegne-Mbouguen JC, Ngameni E.	Polymer-free nanocomposite from zeolite and acetylene carbon black as glassy carbon modifier platform for simultaneous electrochemical quantification of acetaminophen and caffeine	<a href="https://doi.org/10.1007/s10800-024-02076-1">https://doi.org/10.1007/s10800-024-02076-1</a>	2.925	1
ETH:01/ ANEC	Journal of Applied Polymer Science	Qi Zhang, Zihan Xiao, Zhiyuan Zhang, Jinxin Gao, Ruidong Xia, Junbiao Peng, Shimelis Admassie Molla	Polymeric laser rods based on modified poly(methyl methacrylate) matrix synthesized by FeIII complex catalyzed atom transfer radical polymerization with enhanced optical gain and photostability	10.1002/app.55984	3.057	1
BAN:05	Journal of Applied Science and Process Engineering	Rashid MR, Islam N, Ahmad H, Zakaria CM, Banu LA, Islam N, and Zamir R.	Investigation of water-soluble preservatives in frequently used energy-stimulating herbal drugs in Rajshahi City, Bangladesh	<a href="https://doi.org/10.33736/jaspe.6298.2024">https://doi.org/10.33736/jaspe.6298.2024</a>	NA	
ANCAP	Journal of Chemistry	Timothy Manda, Solomon Omwoma, Godfrey Okumu Barasa et al.	Sorption Mechanisms and Enhancement of Selected Organochlorine Pollutants in Water on Zeolites	<a href="https://doi.org/10.1155/2024/4008315">https://doi.org/10.1155/2024/4008315</a>	3.372	1
ANRAP	Journal of Diabetes Research	Razon, A.H., Alauddin, M., Farzana, N., Mazumdar, S., Amin, M.R., Tusher, M.M.H., Asrafuzzaman, M., Hasan, N., Rahman, M., Saiedullah, M. and Rokeya, B	The intricate mechanisms of functional foods oyster mushroom and fenugreek on type 2 diabetic animal model	10.1155/jdr/6209785	4.061	
RWA:01	Journal of Environmental Chemical Engineering	S Liu, Y Zhang, L Hao, A Nsabimana, S Shen	CoFe-LDHs were grown on Co-layered hydroxides to achieve 3D-hierarchical flower like architecture for efficient oxygen evolution reaction	<a href="https://doi.org/10.1016/j.jece.2024.114152">https://doi.org/10.1016/j.jece.2024.114152</a>	7.968	1
RABiotech	Journal of Ethnobiology and Ethnomedicine	Sintayehu Tamene, Mesele Negash, Fortunatus Bulabo Makonda, and Linley Chiwona-Karlton	Influence of socio-demographic factors on medicinal plant knowledge among three selected ethnic groups in south-central Ethiopia	<a href="https://doi.org/10.1186/s13002-024-00672-1">https://doi.org/10.1186/s13002-024-00672-1</a>	3.411	1
RABiotech	Journal of Food Composition and Analysis	Judith Nomwendé Semporé, Bougma Sanogo, Elisabeth Rakisewendé Ouédraogo, Windmi Kagambega, Edwige Bahanla Oboulbiga, Vianney Tarpaga Windpourié, Laurencia Touloumou Songré-Ouattara, and Mamoudou Hama Dicko	Evaluation of the post-selection nutritional composition and levels of compounds with antinutritional effects of cashew ( <i>Anacardium occidentale</i> L.) accessions selected for productivity improvement	<a href="https://doi.org/10.1016/j.jfca.2024.106713">https://doi.org/10.1016/j.jfca.2024.106713</a>	4.520	1
RABiotech	Journal of Food Processing and Preservation	Poussian Raymond Kourfom Gorga BARRY, Elisabeth Rakisewendé Ouedraogo, Frédéric Anderson Konkobo, Edwige Noelle Roamba, Salamata Tiendrebeogo, Mamounata Diao, Sandrine Zongo, Balamoussa Santara, Kiessoun Konaté, and Mamoudou H. DICKO	Evaluation of the Physicochemical, Microbiological Quality and Acceptability of Nectars and Jams from <i>Vitex doniana</i> Fruit	<a href="https://doi.org/10.1155/2024/6810456">https://doi.org/10.1155/2024/6810456</a>	2.609	0
RABiotech	Journal of Food Processing and Preservation	Ifagbémi Bienvenue Chabi, Olouchègoun Juladisse Omiyalé, Sèna Emmanuelle Colombe Aurore Dèdèhou, Bernold Paul Ayégnon, Ibrahim Idrissou, Boya Bawa, Yénoukounmè Euloge Kpoclou, and Adéchola Pierre Polycarpe Kayodé	Tomato Seed ( <i>Solanum lycopersicum</i> ) meal derived from agrifood waste as functional ingredient: nutritional value, antioxidant and antimicrobial activities, and functional properties	<a href="https://doi.org/10.1155/2024/8824581">https://doi.org/10.1155/2024/8824581</a>	2.609	0
RABiotech	Journal of Food Research	Bougoussaré Noupao Rachele Hortense, Marius K. Somda, Hemayoro Sama, Yerobessor Dabire, Iliassou Mogmenga, Mahamadi Nikiema, Assietta Ouattara, Donatien Kabore & Mamoudou H. Dicko	Physicochemical Properties of Oil of <i>Polygala multiflora</i> Poir. Grown in Burkina Faso	<a href="https://doi.org/10.5539/jfr.v13n1p53">https://doi.org/10.5539/jfr.v13n1p53</a>	NA	0

RABiotech	Journal of Food Research	Konan K. Toussaint Yao, Marius K. Somda, Mahamadi Nikiema, Iliassou Mogmenga, Yerobessor Dabire, Assietta Ouattara, Donatien Kabore & Mamoudou H. Dicko	Proximate Composition and Nutritional Potential of Saba Senegalensis Fruit from Three Climatic Regions in Burkina Faso	<a href="https://doi.org/10.5539/jfr.v13n1p10">https://doi.org/10.5539/jfr.v13n1p10</a>	NA	0
ANCAP	Journal of Hazardous Materials	Yuncheng Wang, Tingyuan Xu, En Song, Yangzhao Jiang, Fang Wang, Chenggang Gu, Xuehai Ju, Yongrong Bian, Yang Song, Fredrick Orori Kengara, Xin Jiang	Ultrasensitive detection of trace Hg(II) in acidic conditions using DMABR loaded on sepiolite: Function, application and mechanism studies	<a href="https://doi.org/10.1016/j.jhazmat.2024.134734">https://doi.org/10.1016/j.jhazmat.2024.134734</a>	14.224	2
ETH0:05	Journal of King Saud University - Science	LA Worku, RK Bachheti, MG Tadesse, A Bachheti, A Alshammari, NA Albekairi, A Kabra, WK Alemu	Exploring Oxytenanthera abyssinica as a sustainable alternative for pulp and paper production: A response surface methodology approach for optimized soda pulping	10.1016/j.jksus.2024.103230	3.829	1
BUF:02	Journal of Materials and Environmental Science	Goro H. H., Sorgho B., Ouedraogo R.D., Bakouan C., Guel B., Blanchart P.	Elaboration and characterization of clay nanoparticles for Cr(VI) elimination in water	<a href="http://www.jmaterenvi.ronsci.com">http://www.jmaterenvi.ronsci.com</a>	NA	
ANEC	Journal of Materials Science and Chemical Engineering	A.S. Gning, C. Gaye, A.B. Kama, P.A. Diaw, D.D. Thiare, M. Fall	Hexavalent Chromium Cr(VI) Removal from Water by Mango Kernel Powder	<a href="https://doi.org/10.4236/msce.2024.121007">https://doi.org/10.4236/msce.2024.121007</a>		
BUF:02	Journal of Minerals and Materials Characterization and Engineering	Kassoum Barry, Youssouf Sawadogo, Moustapha Sawadogo, Brahima Sorgho, Mohamed Seynou, Boubié Guel, Philippe Blanchart, Lamine Zerbo	Manufacture of industrial refractory crucibles based on clays from Burkina Faso	<a href="https://www.scirp.org/journal/jmmce">https://www.scirp.org/journal/jmmce</a>	NA	
ETH:02	Journal of Molecular Structure	Abera Dessie, Sileshi Degu, Abiy Abebe, Daniel Bisrat	In vitro antimicrobial, semisynthesis and in silico studies of 1, 2-naphthoquinone derivatives	<a href="https://doi.org/10.1016/j.molstruc.2024.140238">https://doi.org/10.1016/j.molstruc.2024.140238</a>	3.841	1
RWA:01	Journal of Natural Products	I Kiganda, L H Wieske, V A Nchiozem-Ngnitedem, D Chalo, D Umereweneza, A Ndakala, W Herrebut, R Xiong, T M Karpiński, A Yenesew, M Erdelyi	Antimicrobial Dihydroflavonols and Isoflavans Isolated from the Root Bark of Dalbergia gloveri	<a href="https://pubs.acs.org/doi/full/10.1021/acs.jnatprod.4c00690">https://pubs.acs.org/doi/full/10.1021/acs.jnatprod.4c00690</a>	4.803	2
RABiotech	Journal of Nutrition and Food Security	Bougma Sanogo, Wend b�nedo Fid�le Tapsoba, Souleymane Zio, Oumarou Zongo, Bakary Tarnagda, Mahamad� Goubgou, Laurenci� Touloum� Songr� Ouattara, and Aly Savadogo	Assessment of some of the feeding practices and local infant flours' consumption by 6 to 23 months children in the city of Ouagadougou, Burkina Faso	<a href="https://doi.org/10.18502/JNFS.V9I2.15422">https://doi.org/10.18502/JNFS.V9I2.15422</a>	NA	
RWA01/ANCAP	Journal of Organometallic Chemistry	J Mukiza, G Habarurema, J Sezirahiga, T Mukabagorora, J B Nkuranga, T Uwambajineza, T Muyizere, O Blacque, G Baziga	Aqua-complexes of pyrimidine-4,6-dicarboxylic acid and its monoester with organometallic fac-[M(CO)3]+ (M = Re and 99mTc) core as radiopharmaceutical probes: Synthesis and characterization	<a href="https://doi.org/10.1016/j.jorganchem.2024.123348">https://doi.org/10.1016/j.jorganchem.2024.123348</a>	2.044	1
ANEC	Journal of Pharmacognosy and Phytochemistry	Hamidou T�eda Ganam�, Yssouf Karanga, Richard Wamtinga Sawadogo and Issa Tapsoba	LC-MS/MS and tandem MS/MS identification of chemical compounds of the stem bark of Acacia macrostachya (Mimosaceae)	<a href="https://doi.org/10.22271/phyto.2024.v13.i5b.15067">https://doi.org/10.22271/phyto.2024.v13.i5b.15067</a>	NA	
ETH:01	Journal of Physical Chemistry C	Eninges Asmare, Nika Bekri, Leonato Tambua Nchinda, Fekadu G. Hone, Wendimagegn Mammo, Tjaart P. J. Kr�ger, and Newayemedhin A. Tegegne	Conformation-dictated aggregation photophysics in isoindigo-based copolymers	10.1021/acs.jpcc.4c04825	4.177	1
RABiotech	Journal of Rural Studies	Flora Hajdu, Jonathan Rigg, Johanna Bergman-Lodin, Klara Fischer, Kristina Marquardt, Dil Khatri, Stephanie Leder, Gwendolyn Varley, Linley Chiwona-Karlton, Emil Sandstr�m, �rjan Bartholdson, Linda Engstr�m, Malin Beckman, and Cristi�n Alarc�n	Rendering smallholders social: Taking a social relations approach to understanding the persistence of smallholders in the rural Global South	<a href="https://doi.org/10.1016/j.jrurstud.2024.103432">https://doi.org/10.1016/j.jrurstud.2024.103432</a>	5.157	2

ZIM:02	Journal of the South African Veterinary Association	K.L., Ndlovu, N. Nleya, L., Ngoma	Detection and quantification of antibiotics residues in goat milk in Mahikeng Local Municipality	<a href="https://doi.org/10.36303/JSAVA.583">https://doi.org/10.36303/JSAVA.583</a>	1.044	1
ETH:02	Journal of Tropical Medicine	Bonsa Mogos, Daniel Bisrat, Kaleab Asres	In Vivo Antidiarrheal Potential of the Leaf Extract of <i>Maytenus addat</i> (Loes.) Sebsebe and Its Major Compound	<a href="https://doi.org/10.1155/2024/5922487">https://doi.org/10.1155/2024/5922487</a>	2.705	1
RABiotech	Lancet HIV	Romain Silhol, Mathieu Maheu-Giroux, Nirali Soni, Arlette Simo Fotso, Nicolas Rouveau, Anthony Vautier, Clémence Doumenc-Aïdara, Olivier Geoffroy, Kouassi Noel N'Guessan, Younoussa Sidibé, Odé Kanku Kabemba, Papa Alioune Gueye, Pauline Dama Ndeye, Christinah Mukandavire, Peter Vickerman, Abdelaye Keita, Cheikh Tidiane Ndour, Joseph Larmarange, and Marie Claude Boily	Potential population-level effects of HIV self-test distribution among key populations in Côte d'Ivoire, Mali, and Senegal: a mathematical modelling analysis	<a href="https://doi.org/10.1016/S2352-3018(24)00126-7">https://doi.org/10.1016/S2352-3018(24)00126-7</a>	16.070	2
LAO:04	Lao Journal of Science and Technology	Xiengkthane Sangmany, Phengxay Deevanhxay, Kesiny Phomkeona, Ongthao Saovangmor, Kingsadingthongkham Vongdeth	In vitro inhibition of alpha-amylase of some Lao medicinal plants		NA	
LAO:04	Lao Journal of Science and Technology	Koungnang Chanthapanya, Vanseng Choulamany, Kesiny Phomkeona, Aphisid Chandavongs, Chaixiong Kianou, Kuaher Chongkhue	Analysis of groundwater quality at agricultural areas of Hatxayfong District, Vientiane Capital		NA	
LAO:04	Lao Journal of Science and Technology	Niklakhone Soukphaly, Kesiny Phomkeona, Phengxay Deevanhxay, Aphisid Chandavongs and	Determination of heavy metals in agricultural vegetables at Hatxayfong District Vientiane Capital		NA	
RABiotech	Marine Drugs	Paula Ferreira Montenegro, Giang Nam Pham, Fatouma Mohamed Abdoul-Latif, Elisabeth Taffin-de-Givenchy, and Mohamed Mehiri	Marine bromotyrosine derivatives in spotlight: bringing discoveries and biological significance	<a href="https://doi.org/10.3390/md22030132">https://doi.org/10.3390/md22030132</a>	6.085	1
RABiotech	Marine drugs	Giang Nam Pham, Béatrice Josselin, Arnaud Cousseau, Blandine Baratte, Marie Dayras, Christophe Le Meur, Stella Debaets, Amélie Weill, Thomas Robert, Gaëtan Burgaud, Ian Probert, Fatouma Mohamed Abdoul-Latif, Laurent Boyer, Stéphane Bach, and Mohamed Mehiri	New Fusarochromanone Derivatives from the Marine Fungus <i>Fusarium equiseti</i> UBOCC-A-117302	<a href="https://doi.org/10.3390/md22100444">https://doi.org/10.3390/md22100444</a>	6.085	1
RABiotech	Marine Drugs	Fatouma Mohamed Abdoul-Latif, Ayoub Ainane, Laila Achenani, Ali Merito Ali, Houda Mohamed, Ahmad Ali, Pannaga Pavan Jutur, and Tarik Ainane	Production of Fucoxanthin from Microalgae <i>Isochrysis galbana</i> of Djibouti: Optimization, correlation with antioxidant potential, and bioinformatics approaches	<a href="https://doi.org/10.3390/md22080358">https://doi.org/10.3390/md22080358</a>	6.085	1
ANCAP	Marine Pollution Bulletin	Aziza H. Said, Flower E. Msuya et al.	Spatial and seasonal distribution of cyanobacteria <i>Moorea</i> species in coastal waters of Tanzania	<a href="https://doi.org/10.1016/j.marpolbul.2024.116134">https://doi.org/10.1016/j.marpolbul.2024.116134</a>	7.302	1
ANEC	Materials Advances	Deffo G, Fotsop CG, Ngaha MCD, Fogang SG, Vomo LA, Nkuigoua BW, Shella CA, Somba AV, Tene TFN, Tchummegne IK, Njanja E, Tonlé IK, Puzari P, Ngameni E.	Evaluation of two core-shell ( $Ag_2S@-$ and $Bi_2S_3@-$ ) sensors based on a metal-organic framework ( $NH_2-MIL-125-Ti$ )/polyaniline for the electroanalysis of uric acid in urine samples	10.1039/D3MA01182H	NA	1
ANEC	Materials Sciences and Applications	M Bodian, D Keinde, K Hannawi, M Fall, A Darquennes, P W Agbodjan	Evaluation of the Inhibitory Gel Aloe vera against Corrosion of Reinforcement Concrete in NaCl Medium	<a href="https://doi.org/10.4236/msa.2024.155008">https://doi.org/10.4236/msa.2024.155008</a>	NA	NA
ANEC	Materials Sciences and Applications	Y F R Bako, S F Mbokou, B Kaboré, I Tapsoba, M Pontié	Indirect Electroanalysis of 3-Methyl-4-Nitrophenol in Water Using Carbon Fiber Microelectrode Modified with Nickel Tetrasulfonated Phthalocyanine Complex	<a href="https://doi.org/10.4236/msa.2024.152003">10.4236/msa.2024.152003</a>	NA	NA

ANEC	Materials Sciences and Applications	Yibor Fabrice Roland Bako, Serge Foukmeniok Mbokou, Boukaré Kaboré, Issa Tapsoba, Maxime Pontié	Indirect electroanalysis of 3-methyl-4-nitrophenol in water using microelectrode modified with nickel tetrasulfonated phthalocyanine complex.	<a href="https://doi.org/10.4236/msa.2024.152003">https://doi.org/10.4236/msa.2024.152003</a>	NA	NA
ETH:01/ ANEC	Materials Today Sustainability	Sodiq Tolulope Yussuf, Marlon Oranzie, Meleskow Cox, Ruidong Xia, Shimelis Admassie, Jaymi Leigh January, Xinwen Peng, Emmanuel Iheanyichukwu Iwuoha	Microwave-synthesized aluminum, gallium and indium-substituted stannite nanocrystal absorbers for solar cell applications	10.1016/j.mtsust.2024.100771	7.244	
RWA:01	Measurement Energy	A A Yusuf, I Veza, Z Ukundimana, A Nippae, C Asumana, E K Jebboe, M A Mujtaba, I R Fattah, M E M Soudagar	A quantitative comparison of economic viability, volatile organic compounds, and particle-bound carbon emissions from a diesel engine fueled with biodiesel blends	<a href="https://doi.org/10.1016/j.meane.2024.100017">https://doi.org/10.1016/j.meane.2024.100017</a>	NA	
ZIM:01	Microbial Pathogenesis	Ruvarashe Dakwa, Winnie Mozirandi, Stanley Mukanganyama	Antibacterial activity of Azanza garckeana extracts (Malvaceae) in vitro and their potential use in respiratory infections	<a href="https://doi.org/10.1016/j.micpath.2024.107170">https://doi.org/10.1016/j.micpath.2024.107170</a>	NA	1
ANCAP	Molecules	Vital Ugrinema, Frank Odei-Addo, Carminita L. Frost, Zenixole R. Tshentu	Biospeciation of Oxidovanadium(IV) Imidazolyl-Carboxylate Complexes and Their Action on Glucose-Stimulated Insulin Secretion in Pancreatic Cells	<a href="https://doi.org/10.3390/molecules29030724">https://doi.org/10.3390/molecules29030724</a>	4.927	0
RABiotech	Molecules	Fatouma Mohamed Abdoul-Latif, Ayoub Ainane, Fatima Ezzahra Eddabbeh, Khadija Oumaskour, Jalludin Mohamed, Ahmad Abu Arra, and Tarik Ainane	Assessment and Optimization of the Insecticidal Properties of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Nanoparticles Derived from Mentha pulegium By-Products to Xylosandrus crassiusculus (Carob Beetle)	<a href="https://doi.org/10.3390/molecules29061205">https://doi.org/10.3390/molecules29061205</a>	4.927	0
RWA:01	National Library of Medicine (Amino Acids)	T Umumararungu, N Gahamanyi, J Mukiza, G Habarurema, J Katandula, A Rugamba, V Kagisha	Proline, a unique amino acid whose polymer, polyproline II helix, and its analogues are involved in many biological processes: a review	10.1007/s00726-024-03410-9	3.789	1
ETH:02	Natural Product Communications	Shewaneh Ayele, Misgana Aragaw, Denberu Kebede, Bayoush Birke, Daniel Bisrat	Antimicrobial and molecular docking studies of anthrones from the leaf latex of Aloe pirottae A. Berger against some plant pathogenic microbes	<a href="https://doi.org/10.1177/1934578X2412814">https://doi.org/10.1177/1934578X2412814</a>	1.496	1
RABiotech	Natural Product Communications	Houcem Sammari, Saber Jedidi, Anouar Abidi, Houcine Selmi, and Hichem Sebai	Chemical analysis, antioxidant activity, and in vitro digestibility of crataegus azarolus leaves and fruits in goats	<a href="https://doi.org/10.1177/1934578X241309741">https://doi.org/10.1177/1934578X241309741</a>	1.496	1
RABiotech	Natural Product Communications	Chirine Brinsi, Saber Jedidi, Ameni Dhiffalah, Houcine Selmi, Houcem Sammari, and Hichem Sebai	Nutritional value, phytochemical properties of different parts of Dill (Anethum graveolens L.) and their effects on in vitro digestibility in ruminants	<a href="https://doi.org/10.1177/1934578X241288854">https://doi.org/10.1177/1934578X241288854</a>	1.496	1
RABiotech	Neurogastroenterology and Motility	Chirine Brinsi, Saber Jedidi, Houcem Sammari, Houcine Selmi, and Hichem Sebai	Antidiarrheal, anti-inflammatory and antioxidant effects of Anethum graveolens L. fruit extract on castor oil-induced diarrhea in rats	<a href="https://doi.org/10.1111/nmo.14892">https://doi.org/10.1111/nmo.14892</a>	3.960	1
RABiotech	Neurogastroenterology and Motility	Soumaya Wahabi, Kais Rtibi, Chirine Brinsi, Mourad Jridi, and Hichem Sebai	Overweight/bowel dysmotility crosslinking and analogous laxative actions of two edible wild fruits in obese/constipated rats	<a href="https://doi.org/10.1111/nmo.14933">https://doi.org/10.1111/nmo.14933</a>	3.960	1
ETH:01	New Journal of Chemistry	Leonato Tambua Nchinda, Zewdneh Genene, Wendimagegn Mammo, Newayemedhin A. Tegegne and Tjaart P. J. Krüger	Unveiling the thermal stability of diketopyrrolopyrrole-based terpolymers: a key element for enhanced efficiency and stability of organic solar cells	10.1039/d3nj05210a	3.925	1
RABiotech	Nutrients	Dhekra Gram, Slimen Selmi, Kais Rtibi, Hichem Sebai, and Luca De Toni	Emerging Role of Eruca sativa Mill. in Male Reproductive Health	<a href="https://doi.org/10.3390/nu16020253">https://doi.org/10.3390/nu16020253</a>	6.706	1

RABiotech	Nutrients	Fatma Arrari, Rodolfo Matias Ortiz-Flores, Said Lhamyani, Eduardo Garcia-Fuentes, Mohamed Amine Jabri, Hichem Sebai, and Francisco Javier Bermudez-Silva	Protective Effects of Spirulina Against Lipid Micelles and Lipopoly-saccharide-Induced Intestinal Epithelium Disruption in Caco-2 Cells: In Silico Molecular Docking Analysis of Phycocyanobilin	<a href="https://doi.org/10.3390/nu16234074">https://doi.org/10.3390/nu16234074</a>	6.706	1
BOL:01	One Health	C Kuhn, K M Hayibor, A T Acheampong, L S Abrahao Pires, M C Vieira Costa-Ribeiro, M S Burrone, C R Vasquez-Almazan, K Radon a, M T Solis Soto, on behalf of the KAPwildlife-study group	How studies on zoonotic risks in wildlife implement the one health approach – A systematic review	<a href="https://doi.org/10.1016/j.onehlt.2024.100929">https://doi.org/10.1016/j.onehlt.2024.100929</a>	9.000	1
BUF:02	Open Ceramics	Jean-Baptiste Zoungrana, Brahima Sorgho, Corneille Bakouan, Saga Sawadogo, Regie Dimanche Ouedraogo, Boubié Guel, Philippe Blanchart	Mineralogical study of phosphate rocks by quantitative rietveld refinement	<a href="https://doi.org/10.1016/j.oceram.2024.100567">https://doi.org/10.1016/j.oceram.2024.100567</a>	NA	1
ANEC	Open Journal of Civil Engineering	M Bodian, M B Diop-Fall, D Keinde, E Dieye, M G Diop, M Fall	Experimental study of the anti-corrosion performance of Montmorillonite K-10 on Rebar in HCl Environment: Application in mortar for the rehabilitation of reinforced concrete degraded by corrosion	<a href="https://doi.org/10.4236/ojce.2024.142+P62+O+A62">https://doi.org/10.4236/ojce.2024.142+P62+O+A62</a>	NA	NA
RABiotech	Pharmaceuticals	Fatouma Mohamed Abdoul-Latif, Khadija Oumaskour, Nadira Abdallah, Ayoub Ainane, Ibrahim Houmed Aboubaker, Ali Merito, Houda Mohamed, and Tarik Ainane	Overview of Research on Leishmaniasis in Africa: Current Status, Diagnosis, Therapeutics, and Recent Advances Using By-Products of the Sargassaceae Family	<a href="https://doi.org/10.3390/ph17040523">https://doi.org/10.3390/ph17040523</a>	5.215	1
RABiotech	Pharmaceuticals	Fatouma Mohamed Abdoul-Latif, Ayoub Ainane, Ibrahim Houmed Aboubaker, Ali Merito Ali, Houda Mohamed, Pannaga Pavan Jutur, and Tarik Ainane	Unlocking the Green Gold: Exploring the Cancer Treatment and the Other Therapeutic Potential of Fucoxanthin Derivatives from Microalgae	<a href="https://doi.org/10.3390/ph17070960">https://doi.org/10.3390/ph17070960</a>	5.215	1
RABiotech	Phytomedicine Plus	Marwa Khammassi, Anouar Abidi, Naoures Ochi, Aida Ayadi, Yassine Mabrouk, Ismail Amri, Vincenzo De Feo, Hichem Sebai, and Flavio Polito	Protective effect of essential oil of <i>Foeniculum vulgare</i> Mill. against bleomycin-induced pulmonary fibrosis and oxidative stress in rat	<a href="https://doi.org/10.1016/j.phyplu.2024.100660">https://doi.org/10.1016/j.phyplu.2024.100660</a>	NA	
ZAM:02	Phytomedicine Plus	James Nyirenda, Mutinta Chipuwa	An ethnobotanical study of herbs and medicinal plants used in Western, Copperbelt, Central and Northern provinces of Zambia	<a href="https://doi.org/10.1016/j.phyplu.2023.100514">https://doi.org/10.1016/j.phyplu.2023.100514</a>	NA	
RABiotech	Poultry Science	Affo Dermene, Kodjo Elo, Koffi Kibalou Palanga, Diane Tchakinguena Adjito, Oumbortime N'nanle, Damintoti Simplicite Karou, Tchilabalo Abozou Kpazou, and Pierluigi Caboni	Comparative Metabolomic Profiling of Eggs from 3 Diverse Chicken Breeds Using GC-MS Analysis	<a href="https://doi.org/10.1016/j.psj.2024.103616">https://doi.org/10.1016/j.psj.2024.103616</a>	4.014	1
RABiotech	Public Health Nutrition	Viviane Aurélie Tapsoba, Jerome Winbetourefa Some, Ella WR Compaore, Augustin Nawidimbasba Zeba, Jean-Claude Moubarac, Julien Soliba Manga, Adama Diouf, Stefanie Vandevijvere and Mamoudou H Dicko	Evaluation of the implementation of governmental policies and actions to create healthy food environments in Burkina Faso	<a href="https://doi.org/10.1017/S1368980024002568">https://doi.org/10.1017/S1368980024002568</a>	4.539	No
ANCAP	Pure and Applied Chemistry	Mbisana, Mesha, Mogopodi, Dikabo and Chibua, Inonge.	Current advances in QuEChERS extraction of mycotoxins in various food and feed	<a href="https://doi.org/10.1515/pac-2023-1133">https://doi.org/10.1515/pac-2023-1133</a>	2.738	1
ANCAP	Research Journal of Environmental Sciences	Basopo, N. and T.N. Kayeye	Carbaryl and endosulfan induced alteration of biochemical markers in soil organisms, <i>Eisenia fetida</i>	<a href="https://doi.org/10.3923/rjes.2024.1.11">10.3923/rjes.2024.1.11</a>	NA	
BOL:01	Revista de Ciencia, Tecnologia e Innovacion	M R Crespo Cordero, C A Almendras Gutierrez, S Calcina Mamani, M Adler, S Benitez-Vieyra	Aproximaciones a la red de interacción entre abejas nocturnas y plantas con flores de Potrerillos de Güendá (Santa Cruz, Bolivia)	<a href="https://doi.org/10.56469/rcti.v22i29.950">https://doi.org/10.56469/rcti.v22i29.950</a>	NA	
BOL:01	Revista de Ciencia, Tecnologia e Innovacion	N R Janko Fernandez, F M Ramallo Jadue, O N Urquizo Huanca	Polen anemófilo en la ciudad de Sucre y su relación con factores meteorológicos y contaminantes del aire	<a href="https://doi.org/10.56469/rcti.v22i29.960">https://doi.org/10.56469/rcti.v22i29.960</a>	NA	

BOL:01	Revista de Ciencia, Tecnología e Innovacion	J V Quinteros Guzman, D Enriquez Loayza, M P Cervantes, S Benitez-Vieyra	Potenciales defensas químicas de plantas nativas de Potrerillo del Güendá utilizando conducta de formicidos como bioindicadores	<a href="https://doi.org/10.56469/rcti.v22i29.944">https://doi.org/10.56469/rcti.v22i29.944</a>	NA	
BOL:01	Revista de Ciencia, Tecnología e Innovacion	S Morales-Acosta, R Mondino, J A Torres-Mostacedo, M Adler	Reconocimiento de parentesco intraespecífico e interespecífico de <i>Scaptotrigona aff. postica</i> (APIDAE: MELIPONINI)	<a href="https://doi.org/10.56469/rcti.v22i29.949">https://doi.org/10.56469/rcti.v22i29.949</a>	NA	
BOL:01	Revista de Ciencia, Tecnología e Innovacion	D Ramos-Chuquimia, M Zelada, S Benitez-Vieyra, S Lozada-Gobilard	Restricción y facilitación de transferencia de análogos de polen intra e interespecífica	<a href="https://doi.org/10.56469/rcti.v22i29.940">https://doi.org/10.56469/rcti.v22i29.940</a>	NA	
ANEC	RSC advances	Deutchoua ADD, Ngueumaleu Y, Liendji RW, Hanga SSP, Nguelo BB, Dedzo GK, Ngameni E.	Unusual reactivity of 2,2-diphenyl-1-picrylhydrazyl (DPPH) with Fe <sup>3+</sup> controlled by competing reactions.	10.1039/D3RA07106E	4.036	1
ANEC	RSC Applied Interfaces	Ngnie G, Atangana RA, Tomou-Mbahim GI, Sambang LM, Dedzo GK, Tchakoute HK, Rüscher CH, Ngameni E.	Effect of NaOH-treated sawdust incorporated in geopolymer matrix on compressive strength and adsorption property	10.1039/D4LF00176A	NA	1
RABiotech	Scientific African	Rachidatou Karimou, Hafiz A. Salami, Essé Agossou, Bawa Boya, Funkè F. Assouma, Boni Orou Marius Bio Bouko, Eugène S. Attakpa, Lamine Baba-Moussa, and Haziz Sina	Assessment of antimicrobial and anti-biofilm activities of lemongrass and bay leaf extracts on microorganisms from fermented cereal-based porridges in northern Benin	<a href="https://doi.org/10.1016/j.sciaf.2024.e02241">https://doi.org/10.1016/j.sciaf.2024.e02241</a>	NA	1
LAO:04	Scientific Journal of National University of Laos	Phengxay Deevanhxay, Lengyang Seryang, Kesiny Phomkeona, Kingsadingthongkham Vongdeth, Bouasavanh Souvanhthong	Quantification of total phenolic content, total flavonoid content and antioxidant activity of some Zingiberaceae in Laos	<a href="https://doi.org/10.71026/sj.2024.02020">https://doi.org/10.71026/sj.2024.02020</a>	NA	
ANFEC	Scientific Journal of Natural Sciences	Vanseng Chounlamany, Vanpaseuth Phouthavong, Vayakone Sysavath, Santi Kongmany, Sopha Keoinpeang, Bountheva Louangsuphome	Determination of heavy metals in soft drinks sold in Vientiane Capital	<a href="https://sj.sjnl.la/index.php/sj/article/view/11">https://sj.sjnl.la/index.php/sj/article/view/11</a>	NA	
ZIM:01	Scientifica	Mugayi LC, Mukanganyama S	Antimycobacterial and antifungal activities of leaf extracts from <i>Trichilia emetica</i>	<a href="https://doi.org/10.1155/sci5/8784390">https://doi.org/10.1155/sci5/8784390</a>	NA	1
ANEC	Sensors and Diagnostics	Ismaila Diédhiou, Amal Raouafi, Sami Hamzaoui, Modou Fall, Nouredine Raouafi	Optimizing the preparation of laser-derived 3D porous graphene electrodes for modification-free sensing of heavy metal ions	10.1039/D4SD00290C	NA	
BUF:02	Separations	Régie Dimanche Ouedraogo, Corneille Bakouan, Abdoul Karim Sakira, Brahim Sorgho, Boubié Guel, Touridomon Issa Somé, Anne-Lise Hantson, Eric Ziemons, Dominique Mertens, Philippe Hubert and Jean-Michel Kauffmann	The Removal of As(III) Using a Natural Laterite Fixed-Bed Column Intercalated with Activated Carbon: Solving the Clogging Problem to Achieve Better Performance	<a href="https://doi.org/10.3390/separations11040129">https://doi.org/10.3390/separations11040129</a>	3.344	1
ANFEC	Souphanouvong University Journal of Multidisciplinary Research and Development	Oudone Chanthavong, Santi Kongmany, Kengkham Sandkhamlue	Fast and Simple Extraction for LCMSMS Analysis of Oxytetracycline Residue in Pork	10.69692/sujmrd1001107	NA	
ANFEC	D:o	Koonphet Sootkongthong, Sounantha Boutxakittilath, Phouvisai Ladsavong, Bounthob Praxaysombath, Santi Kongmany	Fish diversity and protein content analysis of traditional Lao fish The boundary of the Xe-Champhone River Champhone District Savannakhet Province	-	NA	
ANFEC	D:o	Viengkong Vansavang, Sengchan Saiyalard, Santi Kongmany, Phoungkeo Soukchalern, Souksamlarn Phomsupha	Investigating pesticide residue in some vegetables grown in Paksong District of Champasak Province of Lao PDR	-	NA	
LAO:04	D:o	Kingsadingthongkham Vongdeth, Xolo Keoxamlouang, Anoukone Bounmyxai, Boudda Sengthongsa	Tannin extraction from leaves of some plants		NA	
ANCAP	South African Journal of Botany	Oladayo Amed Idris, Nasifu Kerebba, Suranie Horn, Mark Steve Maboeta, Rialet Pieters	Comparative phytochemistry using UPLC-ESI-QTOF-MS phenolic compounds profile of the water and aqueous ethanol extracts of <i>Tagetes minuta</i> and their cytotoxicity	<a href="https://doi.org/10.1016/j.sajb.2023.11.035">https://doi.org/10.1016/j.sajb.2023.11.035</a>	3.111	1

ANCAP	Sustainable Chemistry for the Environment (SCENV)	Rogers Omondi Ong'injo, Fredrick Orori Kengara, Emmanuel Shikanga, Fang Wang	Sustainability of biochar amendment in a tropical paddy soil	<a href="https://doi.org/10.1016/j.scenv.2024.100113">https://doi.org/10.1016/j.scenv.2024.100113</a>	NA	1
ANCAP	Sustainable Chemistry for the Environment (SCENV)	Catherine Chemtai, Anastasia Ngugi Ngigi, Fredrick Orori Kengara	Ciprofloxacin sorption by non-activated and activated biochar derived from millet husks and water hyacinth	<a href="https://doi.org/10.1016/j.scenv.2024.100075">https://doi.org/10.1016/j.scenv.2024.100075</a>	NA	1
ANCAP	Tanzania Journal of Science,	Joseph W Sengasu, Joseph YN Philip, Kessy F Kilulya	Adsorptive Performance of Composite of Sugarcane Bagasse Fibres and Multiwalled Carbon Nanotubes for Simultaneous Removal of Multi-pollutants from Wastewaters	<a href="https://dx.doi.org/10.4314/tjs.v50i3.9">https://dx.doi.org/10.4314/tjs.v50i3.9</a>	NA	
RABiotech	Toxins	Youngsun Lee, Jenna M. Lemmetty, Hanna Nihtilä, Hanna Koivula, Serge Samandoulougou, Hagretou Sawadogo-Lingani, Kati Katina, and Ndegwa H. Maina	Efficacy of Aflatoxin B1 and Fumonisin B1 Adsorption by Maize, Wheat, and Oat Bran	<a href="https://doi.org/10.3390/toxins16070288">https://doi.org/10.3390/toxins16070288</a>	5.075	1
RABiotech	Tropical Medicine and Health	David Mahouton Zoungbédji, Germain Gil Padonou, Arthur Sovi, Alphonse Keller Konkou, Albert Sourou Salako, Roseric Azondékon, Aboubakar Sidick, Juvénal Minassou Ahouandjinou, Linda Towakinou, Razaki Ossè, Rock Aikpon, Cyriaque Affoukou, Lamine Baba-Moussa, and Martin Akogbéto	Bio-efficacy of Olyset® Plus, PermaNet® 3.0 and Interceptor® G2 on pyrethroid-resistant populations of Anopheles gambiae s.l. prior to the June 2023 net distribution campaign in Benin, West Africa	<a href="https://doi.org/10.1186/s41182-024-00599-z">https://doi.org/10.1186/s41182-024-00599-z</a>	NA	1
RABiotech	Universal Journal of Public Health	Gbèmahon Roger Houssou, Colette Sylvie Azandjeme, Nadia Fanou, Clémence Germaine Metonnou, Charles Jérôme Sossa, Ella Compaoré, and Roch Mongbo	Nutritional Profile of Pregnant Women in the Lake Area of Cotonou (Benin Republic)	<a href="https://doi.org/10.13189/ujph.2024.120610">https://doi.org/10.13189/ujph.2024.120610</a>	NA	0
ANFEC	University Journal, Laos	Chanthavong, O., Sandkhamlue, K., & Kongmany, S.	Fast and Simple Extraction for LCMSMS Analysis of Oxytetracycline Residue in Pork	<a href="http://www.su-journal.com/index.php/su/article/view/474">http://www.su-journal.com/index.php/su/article/view/474</a>	NA	NA
RABiotech	Viruses	Fatouma Mohamed Abdoul-Latif, Ayoub Ainane, Houda Mohamed, Ali Merito Ali, Ibrahim Houmed Aboubaker, Pannaga Pavan Jutur, and Tarik Ainane	Mpox Resurgence: A Multifaceted Analysis for Global Preparedness	<a href="https://doi.org/10.3390/v16111737">https://doi.org/10.3390/v16111737</a>	5.818	1
RABiotech	Waste and Biomass Valorization	Mamadou SANOU, Hyacinthe Kanté-Traoré, Haro Kayaba, Sophie Somda, Felix Offei, Yifeng Zhang, Charles Parkouda, and Mamoudou H. DICKO	Biochemical properties and biotechnological potential of mango biowastes for economical valorization in Burkina Faso	<a href="https://doi.org/10.1007/s12649-024-02691-1">https://doi.org/10.1007/s12649-024-02691-1</a>	3.449	1
ANCAP	Water, Air, and Soil Pollution	Esitsakha, A., Ndunda, E.N. & Okello, V.A.	Physico-chemical, Microbiological, and Ion Assessment in Underground and Surface Water in Machakos County, Kenya	<a href="https://doi.org/10.1007/s11270-024-06973-1">https://doi.org/10.1007/s11270-024-06973-1</a>	2.982	1
ANCAP	World	Deus R. Rutehenda, Christopher Adaku, Timothy Omara, Christopher Angiro, Emmanuel Ntambi	Enrichment, Bioaccumulation and Health Risks of Trace Metals in Soils and Leafy Vegetables Grown on the Banks of the Ugandan Lifeline River, River Rwizi	<a href="https://doi.org/10.3390/world5010008">https://doi.org/10.3390/world5010008</a>	NA	1

## 2.5.2 Mathematics publications

**Table 9.** Summary by region of publication data for the mathematics programme in 2024. The number of publications (Publ.) in scientific journals is specified to those with and without Thomson Reuters (TR) impact factors (IF) or/and Norwegian Centre for Research Data (NCRD) ranking (see explanation in the first paragraphs of this appendix), and whether ISP funding was acknowledged. Three publications did not report whether any acknowledgement was given to Sida/ISP.

Publication category	Africa		Asia		Latin America		Total	
	yes	no	yes	no	yes	No	yes	no
Publ. in Scientif. Quality J. (TR or/and NCRD ranked)	12	59	0	0	0	0	12	59
Publ. in Other Scientific Journals (“unranked”)	5	42	0	0	0	0	5	42
Publ. in Journals by “predatory publishers”	0	10	0	0	0	0	0	10
Books, Chapters, Popular Publ., Technical Reports, etc.	0	1	0	0	0	0	0	1
<b>Total number of publications (yes/no)</b>	<b>17</b>	<b>112</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>112</b>
<b>Grand total</b>	<b>129</b>		<b>0</b>		<b>0</b>		<b>129</b>	

Group/Network	Journal	Author(s)	Title	DOI	WoS, 1 yr IF 2021	Norwegian Register
EAUMP-MAK	Abstract and Applied Analysis	Yihunie, Dagnaw Tantie; Mugisha, Joseph Y. T.; Gebru, Dawit Melese; Alemneh, Haileyesus Tessema	Modeling and analysis of Fasciola hepatica disease transmission	<a href="https://doi.org/10.1155/2024/8843680">https://doi.org/10.1155/2024/8843680</a>	1,27	1
BURK:01	Advances in Continuous and Discrete Models	Y. Yoda, H. Ouedraogo, D. Ouedraogo and A. Guiro	Mathematical analysis and optimal control of Dengue fever epidemic model	<a href="https://doi.org/10.1186/s13662-024-03805-8">https://doi.org/10.1186/s13662-024-03805-8</a>	2,30	1
ETH:01	Advances in Fixed Point Theory	Gezahegn Anberber Tadesse; Mengistu Goa Sangago, Bahru Tsegaye Leyew	Existence and approximation of common fixed points of two mappings in a class of generalized nonexpansive mappings on banach space	<a href="https://doi.org/10.28919/afpt/8813">https://doi.org/10.28919/afpt/8813</a>	N/A	no
ETH:01	Advances in Fuzzy Sets and Systems	Parimi Radhakrishna Kishore, Sileshe Gone Korma, Zelalem Teshome Wale	Fuzzy generalised lattice ordered groups (fuzzy gl-groups) based on a fuzzy partial ordering relation (fuzzy porel)	<a href="https://doi.org/10.17654/0973421X24002">https://doi.org/10.17654/0973421X24002</a>	N/A	0
BURK:01	Afrika Matematika	B; Diao, B., Sy, M.	Existence results, regularity and compactness properties, in the -norm, for semilinear partial functional integrodifferential equations with nonlinear Kernel and delay argument	<a href="https://doi.org/10.1007/s13370-024-01196-3">https://doi.org/10.1007/s13370-024-01196-3</a>	0,90	1
BURK:01	Afrika Matematika	M. Fall, A. Mané, R. Kasinathan, R. Kasinathan, M. A. Diop	On neutral integrodifferential equations with state-dependent delay in Banach spaces	<a href="https://doi.org/10.1007/s13370-024-01193-6">https://doi.org/10.1007/s13370-024-01193-6</a>	0,90	1
EAALG	Afrika Matematika	Djinja, Domingos; Silvestrov, Sergei; Tumwesigye, Alex Behakanira	Linear integral operators on $L_p$ spaces representing polynomial covariance type commutation relations	<a href="https://doi.org/10.1007/s13370-023-01153-6">https://doi.org/10.1007/s13370-023-01153-6</a>	0,90	1
ETH:01	American Journal of Mathematical and Computer Modelling	Amanuel Belachew Beyi, Temesgen Alemu Godana	The Maximum Attainable Flow and Minimal Cost Problem in a Network	<a href="https://doi.org/10.11648/j.ajmcm.20240902.11">https://doi.org/10.11648/j.ajmcm.20240902.11</a>	N/A	no
APREA	American Journal of Theoretical and Applied Statistics	Reuben Opondo, Davis Bundi and Patrick Weke	Modelling and Forecasting Unemployment Trends in Kenya Using Advanced Machine Learning Techniques	<a href="https://doi.org/10.11648/j.ajtas.20241306.16">10.11648/j.ajtas.20241306.16</a>	n/A	no
BURK:01	An. Univ. Oradea Fasc. Mat	I. Konaté, I. Ibrango, S. Ouaro	Nonlinear problem having natural growth term and measure data		N/A	no
BURK:01	An. Univ. Oradea Fasc. Mat	N. Rabo, S. Ouaro	The existence of three positive solutions of nonhomogeneous singular Kirchhoff problems		N/A	no
ETH:01	Annali di Matematica Pura ed Applicata. Serie Quarta	Barza, Sorina; Demissie, Bizuneh M.; Sinnamon, Gord	End-point norm estimates for Cesàro and Copson operators.	<a href="https://doi.org/10.1007/s10231-023-01390-3">https://doi.org/10.1007/s10231-023-01390-3</a>	1,00	1
BURK:01	Annals of Mathematics and Computer Science	B. Moussa, I. Nyanquini, S. Ouaro	Multiplicity of heteroclinic solutions for the discrete $p(k)$ -Laplace Kirchhoff type equations with a parameter	<a href="https://doi.org/10.56947/amcs.v21.265">https://doi.org/10.56947/amcs.v21.265</a>	N/A	no
BURK:01	Annals of Mathematics and Computer Science	K. Kansié, S. Ouaro	Structural stability of $p(x)$ -Laplacian kind problems with maximal monotone graph and Neumann type boundary condition	<a href="https://doi.org/10.56947/amcs.v21.247">https://doi.org/10.56947/amcs.v21.247</a>	N/A	no
BURK:01	Annals of Mathematics and Computer Science	N. Sawadogo, S. Ouaro	Nonlinear multivalued homogeneous Robin boundary $p(u)$ -Laplacian problem	<a href="https://doi.org/10.56947/amcs.v24.308">https://doi.org/10.56947/amcs.v24.308</a>	N/A	no
EAUMP-UDSM	Annals of Pure and Applied Mathematics	Mwenya Joel, Elias Offen, Emmanuel Sinkwembe, Silas Mirau	Hybrid Heston-SABR Model: A Comparative Study of Monte-Carlo and Finite Difference Numerical Methods	<a href="https://doi.org/10.22457/apam.v29n2a06940">10.22457/apam.v29n2a06940</a>	N/A	no
BURK:01	Appl Math	R; Sawadogo, F. V. Konané, W; Baguian	Stochastic Model of Dengue: Analysing the Probability of Extinction and LLN		N/A	0

APREA	Applied and Computational Mathematics	Mouhamadou Djima Baranon, Patrick Weke, Judicaël Alladatin, Boni Maxime Ale and Amos Kipkorir Lang'at	Exploring Hidden Markov Models in the Context of Genetic Disorders, and Related Conditions: A Systematic Review	<a href="https://doi.org/10.11648/j.acm.20241304.11">https://doi.org/10.11648/j.acm.20241304.11</a>	N/A	no
ETH:01	Aquaculture and Fisheries	Temesgen B. Getahun, Worku T. Bitew, Tsegaye G. Ayele, Simon D. Zawka	Optimal effort, fish farming, and marine reserve in fisheries management	<a href="https://doi.org/10.1016/j.aaf.2023.03.001">https://doi.org/10.1016/j.aaf.2023.03.001</a>	N/A	1
EAUMP-UDSM	Asia Pacific Journal of Mathematics	Mwenya Joel, Elias Offen, Emmanuel Sinkwembe, Silas Mirau	Derivative pricing using hybrid stochastic volatility models	10.28924/APJM/11-31	N/A	no
ETH:01	Australasian Journal of Combinatorics	Carl Johan Casselgren, Mesfin Masre	Extremal values on the general degree-eccentricity index of trees of fixed maximum degree	<a href="https://ajc.maths.uq.edu.au/pdf/88/ajc_v88_p212.pdf">https://ajc.maths.uq.edu.au/pdf/88/ajc_v88_p212.pdf</a>	0,40	1
ETH:01/EAALG	Bulletin of the International Mathematical Virtual Institute	Teklemichael Worku Bihonegn, Tilahun Abebaw, and Nega Arega	A study on properties of largest reduced submodules of finite dimensional polynomial modules	N/A	N/A	no
PDEAAP/EAALG/EAUMP-MAK	Bulletin of the Iranian Mathematical Society	Mahadi Ddmulira, Paul Emong, Geoffrey Ismail	Palindromic Concatenations of Two Distinct Repdigits in Narayana's Cows Sequence	<a href="https://link.springer.com/article/10.1007/s41980-024-00877-w">https://link.springer.com/article/10.1007/s41980-024-00877-w</a>	0,70	1
BURK:01	Canadian Journal of Mathematics	S. SOMA, S. KAMBELE, A. GUIRO	Global existence of a weak solution for a reaction–diffusion system in a porous medium with membrane conditions and mass control	<a href="https://doi.org/10.4153/S0008414X24000737">https://doi.org/10.4153/S0008414X24000737</a>	0,60	1
EAUMP-UR	Caspian Journal of Mathematical Sciences	Nyagahakwa, Venuste; Haguma, Gratien; Munyaneza, Joseline	Algebraic structures in the family of non-Lebesgue measurable sets	<a href="https://doi.org/10.22080/cjms.2024.23501.1624">https://doi.org/10.22080/cjms.2024.23501.1624</a>	N/A	no
EAUMP-UR	Communications in Statistics - Theory and Methods	Gasana, Emelyne Umunoza; von Rosen, Dietrich; Singull, Martin	Moments of the likelihood-based discriminant function	<a href="https://doi.org/10.1080/03610926.2022.2100909">https://doi.org/10.1080/03610926.2022.2100909</a>	0,60	1
EAUMP-UR	Communications in Statistics - Theory and Methods	Kanuti Ngailo, Edward; Ngaruye, Innocent	Asymptotic results for expected probability of misclassifications in linear discriminant analysis with repeated measurements	<a href="https://doi.org/10.1080/03610926.2022.2116286">https://doi.org/10.1080/03610926.2022.2116286</a>	0,60	1
BURK:01	Complexity	R; Sawadogo, F. V. Konané	New Results on the Asymptotic Behaviour of a Stochastic SEI Model of Lymphatic Filariasis	<a href="https://doi.org/10.1115/5/2024/3338326">https://doi.org/10.1115/5/2024/3338326</a>	1,70	1 in 2024, 0 in 2025
APREA	Computational and Mathematical Biophysics	Mouhamadou Djima Baranon, Patrick Weke, Judicaël Alladatin and Boni Maxime Ale	Markov modeling on dynamic state space for genetic disorders and infectious diseases with mutations: Probabilistic framework, parameter estimation, and applications	<a href="https://doi.org/10.1515/cmb-2024-0005">https://doi.org/10.1515/cmb-2024-0005</a>	N/A	1
EAUMP-UDSM	Computer Methods and Programs in Biomedicine Update	Boniface Zacharia Naaly, Theresia Marijani, Augustino Isdory, Jufren Zakayo Ndendya	Mathematical modeling of the effects of vector control, treatment and mass awareness on the transmission dynamics of dengue fever	<a href="https://doi.org/10.1016/j.cmpbup.2024.100159">https://doi.org/10.1016/j.cmpbup.2024.100159</a>	N/A	1
EAUMP-UDSM	Computer Methods and Programs in Biomedicine Update	Jufren Zakayo Ndendya, Goodluck Mlay, Herieth Rwezaura	Mathematical Modelling of COVID-19 transmission with Optimal control and cost-effectiveness analysis	<a href="https://doi.org/10.1016/j.cmpbup.2024.100155">https://doi.org/10.1016/j.cmpbup.2024.100155</a>	N/A	1
BURK:01	Contemp. Math	H. Dicko, A. Traoré, D. Ouedraogo	Dynamics of a SVEIR Epidemic Model with a Delay in Diagnosis in a Changing Environment	<a href="https://doi.org/10.37256/cm.5320244865">https://doi.org/10.37256/cm.5320244865</a>	0,60	1

ETH:01	Discrete Dynamics in Nature and Society	Getachew Teshome Tilahun, Tariku Merga Tolasa, Manalebish Debalike Asfaw, and Getinet Alemayehu Wole	Stochastic and Deterministic Models for Rubella Dynamics with Two Doses of Vaccination and Vertical Transmission	<a href="https://doi.org/10.1155/2024/9697951">https://doi.org/10.1155/2024/9697951</a>	1,30	1
ETH:01	Discrete Mathematics and Theoretical Computer Science	Carl Johan Casselgren; Jonas B. Granholm; Fikre B. Petros	Extending partial edge colorings of iterated cartesian products of cycles and paths	<a href="https://doi.org/10.46298/dmtcs.11377">https://doi.org/10.46298/dmtcs.11377</a>	1,06	1
BURK:01	Discussiones Mathematicae	I. Ouedraogo, C. Seck, R. Silga, G. Bayili	Lack of exponential stability for Rayleigh beam equation of only one dynamical boundary control with delay	<a href="https://doi.org/10.7151/dmdico.1246">https://doi.org/10.7151/dmdico.1246</a>	N/A	no
ETH:01	Discussiones Mathematicae Graph Theory	Carl Johan Casselgren, Fikre B. Petros, S.A. Fufa	Extending partial edge colorings of cartesian products of graphs	<a href="https://doi.org/10.7151/dmgt.2541">https://doi.org/10.7151/dmgt.2541</a>	0,50	1
BURK:01	Environment, Development and Sustainability	S. M. Coly, M. Zorom, B. Leye, A. Guiro, H. Karambiri	Assessing climate change vulnerability and livelihood strategies in Burkina Faso including insecurity paradigm: a focus on rain-fed agriculture households		4,70	1
BURK:01	European Journal of Mathematics and Applications	D. MBAINADJI1, D. VOTSIA, I. ZABSONRE	Pseudo almost periodic solutions of infinite class in the $\infty$ -norm under the light of measure theory		N/A	no
BURK:01	European Journal of Mathematics and Applications	I. Zabsonré	Kneser property for some partial functional differential equations with infinite delay in banach spaces		N/A	no
BURK:01	European Journal of Mathematics and Applications	M. NAPO, I. ZABSONRE	Cn-pseudo almost periodic solutions under the light of measure theory		N/A	no
BURK:01	Far East Journal of Theoretical Statistics	C. YAMEOGO, F. V. Konané., W. BAGUIAN	On Hilbertian Stochastic Processes: Convergence in The Central Limit Theorem	<a href="https://doi.org/10.17654/0972086324018">https://doi.org/10.17654/0972086324018</a>	N/A	0
EAUMP-UoN	Far East Journal of Theoretical Statistics	Gathongo, Beatrice M.; Kipchirchir, Isaac C.; Mwaniki, Joseph I.	Continuous Erlang mixed distributions and their properties	<a href="https://doi.org/10.17654/0972086324010">https://doi.org/10.17654/0972086324010</a>	N/A	0
APREA	Frontiers in Applied Mathematics and Statistics	Steeven Belvinos Aognon, Henri E. Z. Tonnang, Philip Ngare, Benard Kipchumba Kiplangat, Shirley Abelman and Jeremy K. Herr	Optimizing microbe-infected mosquito release: a stochastic model for malaria prevention	<a href="https://doi.org/10.3389/fams.2024.1465153">https://doi.org/10.3389/fams.2024.1465153</a>	1,30	1
APREA	Frontiers in Public Health	Elisha Abade, ..., Patrick Weke and Kiros Berhane	A Collaborative Approach to Advancing Research and Training in Public Health Data Science – Challenges, Opportunities and Lessons Learnt	10.3389/fpubh.2024.1474947	3,00	1
EAUMP-UDSM	Heliyon	Rehema Msuya, Silas Mirau, Nkuba Nyerere, Isambi Mbalawata	Modeling the impact of short-term displacement of domestic animals on the transmission dynamics of brucellosis	10.1016/j.heliyon.2024.e40255	3,40	1
PDEAAP	Heliyon	Leonce leandry, Ebgert Mujuni, Morten Brun, Eunice W. Mureithi, Mbazi Senkoro, Saidi Mufaume	Modeling the Evolutionary Dynamics of Drug Resistance in Tuberculosis Using Hypercube and Baum-Welch Algorithm Inference: A Case Study of Tanzania	<a href="https://doi.org/10.1016/j.heliyon.2025.e42781">https://doi.org/10.1016/j.heliyon.2025.e42781</a>	3,40	1
EAUMP-UDSM	Insurance: Mathematics and Economics	Doreen Kabuche, Michael Sherris, Andrés M. Villegas, Jonathan Ziveyi	Pooling functional disability and mortality in long-term care insurance and care annuities: A matrix approach for multi-state pools	10.1016/j.insmatheco.2024.02.006	1,90	1

EAALG	International Electronic Journal of Algebra	Ssevviiri, David	Applications of reduced and coreduced modules	<a href="https://doi.org/10.24330/ieja.1299587">https://doi.org/10.24330/ieja.1299587</a>	0,50	1
ETH:01/CoRS	International Journal of Mathematics and Mathematical Sciences	Mohammed Yasin H, M. Suresh, Zebene G. Tefera, and Samuel A. Fufa	M-Polynomial and NM-Polynomial Methods for Topological Indices of Polymers	<a href="https://doi.org/10.1155/2024/1084450">https://doi.org/10.1155/2024/1084450</a>	1,00	1
BURK:01	International Journal of Nonlinear Analysis and Applications	E. Kpizim, R. Kasinathan, R. Kasinathan, K. Ezzinbi, M. A. Diop	Qualitative behaviour of local non-Lipschitz stochastic integrodifferential system with Rosenblatt process and infinite delay	<a href="http://dx.doi.org/10.22075/ijnaa.2023.29778.4255">http://dx.doi.org/10.22075/ijnaa.2023.29778.4255</a>	0,40	no
BURK:01	International Journal of Numerical Methods and Applications	I. LY, M. Ouedraogo, B. Bella and T. Ouedraogo	Removable Sets for the Wave Equations in Terms of Hausdorff Measure	<a href="https://doi.org/10.17654/0975045225004">https://doi.org/10.17654/0975045225004</a>	N/A	1
BURK:01	International Journal of Numerical Methods and Applications	I. LY, T. Dabre, B. Bella	Nonregular Boundary Value Problems with a Parameter	<a href="https://doi.org/10.17654/0975045225002">https://doi.org/10.17654/0975045225002</a>	N/A	1
BURK:01	International Journal of Numerical Methods and Applications	W; BAGUIAN, F. V. Konané, C. YAMEOGO	On Exponential Stability of Mild Solution Of A Stochastic Integrodifferential Equation In A Complex Hilbert Space	<a href="https://doi.org/10.17654/0975045224013">https://doi.org/10.17654/0975045224013</a>	N/A	1
EAUMP-UR	International Journal of Numerical Methods and Applications	Daoussa Haggar, Mahamat Saleh; Gahamanyi, Marcel; Ntaganda, Jean Marie	Combination of perturbation and Taylor series expansions for solving mathematical model of cardiovascular-respiratory system	<a href="https://doi.org/10.17654/0975045224006">https://doi.org/10.17654/0975045224006</a>	N/A	1
PDEAAP	International Journal of Science, Mathematics and Technology Learning	Katakara Kagyera, Denis, Wellars Banzi, and Dany Kamuhanda	Correlation between the Level of ICT Use and Student Teachers' Perception of Lecturers' Instructional Strategies in Teaching and Learning Mathematics	<a href="https://doi.org/10.18848/2327-7971/CGP/v31i02/71-87">https://doi.org/10.18848/2327-7971/CGP/v31i02/71-87</a>	N/A	no
APREA	International Journal of Statistics and Probability	John Kiche, Ivivi Mwaniki, Idah Orowe and Patrick Weke	Classification of Pneumonia, Tuberculosis and Covid-19 from Chest X-ray Images Using Convolution Neural Network Model	<a href="https://doi.org/10.5539/ijsp.v13n4p42">10.5539/ijsp.v13n4p42</a>	N/A	no
EAUMP-MAK	International Journal of Uncertainty Fuzziness and Knowledge-Based Systems	Kurama, Onesfole	A hybrid classifier based on the generalized Heronian mean operator and fuzzy robust PCA algorithms	<a href="https://doi.org/10.1142/S0218488524500077">https://doi.org/10.1142/S0218488524500077</a>	1,00	1
ETH:01	International Journal of Mathematics and its Applications	Parimi Radhakrishna Kishore, Sisay Tadesse Taye, Zelalem Teshome Wale	L-valued Intuitionistic L-fuzzy Generalised Lattice Ordered Groups of the Type 3	<a href="https://ijmaa.in/index.php/ijmaa/article/view/1473/1420">https://ijmaa.in/index.php/ijmaa/article/view/1473/1420</a>	N/A	no
EAUMP-UDSM	Jnanabha	Shaban Makwaru, Marco Mpimbo, Santosh Kumar	Some theorems on topological transitivity and periodic points of topological dynamical systems	<a href="https://doi.org/10.58250/jnanabha.2024.54101">https://doi.org/10.58250/jnanabha.2024.54101</a>	N/A	no
BURK:01	Journal de Mathématiques Pures et Appliquées de Ouagadougou (EJPAM)	M.R POODA, Y. SIMPORE, O. TRAORE	Multi-objective optimal control of the combined dynamics of a fanatical insurgency and narcoterrorism in the Sahel		N/A	no
PDEAAP	Journal of Applied Mathematics	Emmanuel Niyigaba, Wellars Banzi, Hamidou Toure	Time Evolution of the densities of three species interacting in the same ecosystem and the stability analysis of the steady state for a reaction diffusion PDE model	<a href="https://doi.org/10.1155/2024/9635236">https://doi.org/10.1155/2024/9635236</a>	1,20	1

BURK:01	Journal of Applied Mathematics and Computational Mechanics	M. Yavuz, L. Boulaasair, H. Bouzahir, M. A. Diop, B. Benaïd	The impact of two independent Gaussian white Noises on the Behavior of a stochastic epidemic model	10.17512/jamcm.2024.1.10	0,80	1
BURK:01	Journal of Applied Mathematics and Physics	S. SOMA, M. BANCE	On existence of entropy solution for a doubly nonlinear differential equation with l1 data			
EAUMP-UDSM	Journal of Applied Mathematics and Physics	Nyimvua Shaban, Issa Shaban Mfinanga, Theresia Marijani	Modelling Foot and Mouth Disease in the Context of Active Immigrants	10.4236/jamp.2024.121012		
BURK:01	Journal of Applied Research and Technology	L. R. C. Moura, M. A. F. Montezuma, M. Mendonça, R. H. C. Palácios, C. R. A. Oliveira, A. N. Vargas, M. A. Diop, R. Breganon	Controlling the Furuta pendulum: Proof of concept through virtual prototyping	<a href="https://doi.org/10.22201/icat.24486736e.2024.22.3.2347">https://doi.org/10.22201/icat.24486736e.2024.22.3.2347</a>	0,45	1
EAUMP-UDSM	Journal of Complex Networks	Tiffany Y. Y. Lo, Watson Levens, David J. T. Sumpter	Properties of the 'friend of a friend' model for network generation	10.1093/comnet/cnae032	2,20	1
EAUMP-UNZA	Journal of Computational and Applied Mathematics	Nawa, Victor Mooto; Nadarajah, Saralees	Closed form estimators for a bivariate beta distribution	<a href="https://doi.org/10.1016/j.cam.2023.115603">https://doi.org/10.1016/j.cam.2023.115603</a>	2,10	1
ETH:01	Journal of Hyperstructures	Teklemichael Worku Bihonegn, Tilahun Abebaw and Nega Arega	On the generalization of the torsion functor and p-semiprime modules over noncommutative rings	<a href="https://doi.org/10.22098/jhs.2024.14375.1002">https://doi.org/10.22098/jhs.2024.14375.1002</a>	N/A	no
BURK:01	Journal of Integral Equations and Applications	M. A. Diop, M. Elghandouri, K. Ezzinbi	Approximate Controllability for Nonautonomous Integrodifferential Equations with State-dependent Delay	10.1216/jie.2024.36.263	0,90	1
BURK:01	Journal of Mathematical Analysis and Applications	D. Saba; G. Bayili, S. Nicaise	Polynomial stabilization of the wave equation with a time varying delay term in the dynamical control	<a href="https://doi.org/10.1016/j.jmaa.2024.128441">https://doi.org/10.1016/j.jmaa.2024.128441</a>	1,20	1
ETH:01	Journal of Mathematical Analysis and Applications	Sorina Barza, Bizuneh Minda Demissie, Javier Soriac	Optimal non-absolute domains for the Hardy operator minus identity	<a href="https://doi.org/10.1016/j.jmaa.2024.128324">https://doi.org/10.1016/j.jmaa.2024.128324</a>	1,20	1
ETH:01	Journal of Mathematical Sciences	Tsegaye G. Ayele · Bizuneh M. Demissie · Sergey E. Mikhailov	Boundary-domain integral equations for variable-coefficient helmholtz bvps in 2d	<a href="https://doi.org/10.1007/s10958-024-06993-6">https://doi.org/10.1007/s10958-024-06993-6</a>	N/A	1
ETH:01	Journal of Mathematics	Goitom W. Hagos and Tsegaye G. Ayele	United Boundary-Domain Integro-Differential and Integral Equations to the Mixed BVP for a Compressible Stokes System with Variable Viscosity	<a href="https://doi.org/10.1155/2024/8101059">https://doi.org/10.1155/2024/8101059</a>	1,30	no
EAALG	Journal of Non-commutative Geometry	Makonzi, Brian	The Artin component and simultaneous resolution via reconstruction algebras of type A	<a href="https://doi.org/10.4171/JNCG/552">https://doi.org/10.4171/JNCG/552</a>	0,70	2
EAUMP-UDSM	Journal of Nonlinear and Convex Analysis	Malaki, Pendo; Kumar, Santosh; Mursaleen, M.; Rugeihyamu, S.	Application of measures of non-compactness to infinite systems of third order differential equations in a sequence space l_1	<a href="http://yokohamapublishers.jp/online2/opjnca/vol25/p2397.html">http://yokohamapublishers.jp/online2/opjnca/vol25/p2397.html</a>	0,70	1
BURK:01	Journal of Nonlinear Evolution Equations and Applications (JNEEA)	I. OUEDRAOGO, G. BAYILI	Stability for shear beam model and new facts related to the classical timoshenko system with variable delay		N/A	no
BURK:01	Journal of Nonlinear Evolution Equations and Applications (JNEEA)	I. Ibrango, D. Ouedraogo, A. Guiro	Weak nontrivial solutions for discrete nonlinear problems of kirchhoff type with variable exponents in a two-dimensional hilbert space		N/A	no
BURK:01	JP Journal of Applied Mathematics	S. SOMA, M. BANCE	Entropy solution of nonlinear integro-differential equations with diffuse measure data		N/A	no

BURK:01	JP Journal of Applied Mathematics	S. SOMA, S. KAMBELE, A. GUIRO	Spatio-temporal mathematical modeling of infectious diseases with cross diffusion effects		N/A	no
BURK:01	JP Journal of Geometry and Topology	A. Touré, D. Koama, M. Compaoré, M. F. Ouedraogo	The unit bundle of a real hyperbolic space	<a href="https://doi.org/10.17654/0972415X24007">https://doi.org/10.17654/0972415X24007</a>	N/A	0
BURK:01	Konuralp Journal of Mathematics	C. Seck, M. Ngom	Low-Regret and No-Regret Control of Tumor Development to Fill in Some Limitations of Classical Optimal Control Theory		N/A	no
APREA	Machine Learning Research	Kenneth Kiprotich Langat, Anthony Gichuhi Waititu, and Philip Odhiambo Ngare	Modified XGBoost Hyper-Parameter Tuning Using Adaptive Particle Swarm Optimization for Credit Score Classification	<a href="https://doi.org/10.11648/j.mlr.202409.02.15">10.11648/j.mlr.202409.02.15</a>	N/A	no
EAUMP-UDSM	Malaria Journal	Mwanga, M.K., Mirau, S., Tchuenche, J.M. Isambi S. Mbalawata	Reducing under-five mortality in Tanzania: insights from a 60-years data analysis on economic and health indicators <a href="https://doi.org/">https://doi.org/</a>	<a href="https://doi.org/10.1186/s12936-024-05213-5">10.1186/s12936-024-05213-5</a>	2,40	1
BURK:01	Malaya Journal of Matematik	D. MBAINADJI, Al-H NAYAM, I. ZABSONRE	Existence and regularity of solutions in alpha norm for some second order partial neutral functional differential equations in Banach spaces		N/A	no
BURK:01	Malaya Journal of Matematik	A. W. TAPSOBA, Y. SIMPORE, O. TRAORE	Mathematical modelling and optimal control of the dynamics of terrorist ideologies	<a href="https://doi.org/10.26637/mjm1204/002">https://doi.org/10.26637/mjm1204/002</a>	N/A	no
BURK:01	Malaya Journal of Matematik	I. Ouedraogo, D. Saba, C. Seck, G. Bayili	Polynomial stability of a Rayleigh system with distributed delay	<a href="https://doi.org/10.26637/mjm1204/004">https://doi.org/10.26637/mjm1204/004</a>	N/A	no
BURK:01	Malaya Journal of Matematik	M.R POODA, Y. SIMPORE, O. TRAORE	Modeling and optimal control of the dynamics of narcoterrorism in the Sahel	<a href="https://doi.org/10.26637/mjm1202/003">https://doi.org/10.26637/mjm1202/003</a>	N/A	no
ETH:01	MATCH Communications in Mathematical and in Computer Chemistry	Palaniyappan Nithyaa, Suresh Elumalaia, Selvaraj Balachandranb, Mesfin Masre	Ordering Unicyclic Graphs with a Fixed Girth by Sombor Indices	<a href="https://doi.org/10.46793/match.92-1.205N">https://doi.org/10.46793/match.92-1.205N</a>	2,90	1
EAUMP-MAK/EAALG	Mathematica Slovaca	Ddamulira, Mahadi; Luca, Florian	On the x-coordinates of Pell equations that are products of two Pell numbers	<a href="https://doi.org/10.1515/ms-2024-0004">https://doi.org/10.1515/ms-2024-0004</a>	0,90	1
EAUMP-UNZA	Mathematical Research Letters	Arnbind, Joakim; Ilwale, Kwalombota	On the geometry of $(\sigma, \tau)$ -algebras	<a href="https://doi.org/10.4310/MRL.241211002151">https://doi.org/10.4310/MRL.241211002151</a>	0,60	2
EAUMP-UDSM	Mathematics	Fines Miyoba, Egbert Mujuni, Musa Ndiaye, Hastings M. Libati, Adnan M. Abu-Mahfouz	Sustainable Rail/Road Unimodal Transportation of Bulk Cargo in Zambia: A Review of Algorithm-Based Optimization Techniques	<a href="https://doi.org/10.3390/math12020348">10.3390/math12020348</a>	2,30	1
ETH:01	Mathematics in Applied Sciences and Engineering	FITIH F. HAILU, WORKU T. BITEW, TSEGAYE G. AYELE, AND SIMON D. ZAWKA	Diversity and ecotourism on multipurpose marine protected areas	<a href="https://doi.org/10.5206/mase/19987">https://doi.org/10.5206/mase/19987</a>	0,40	no
PDEAAP	Mathematics Open	Ndanguza Denis,..., Wellars Banzi,..., and Jean Marie Ntaganda	Analysis of the COVID-19 Pandemic in Rwanda using a Stochastic Model	<a href="https://doi.org/10.1142/S281100722350013X">https://doi.org/10.1142/S281100722350013X</a>	N/A	no
BURK:01	Memoirs on Differential Equations and Mathematical Physics	M. B. Benboubker, S. Ouaro, U. Traoré	Neumann problems for nonlinear elliptic equations involving variable exponent and measure data		0,40	1
ETH:01	Modeling Earth Systems and Environment	Semu Mitiku Kassa, Manalebish Debalike Asfaw, Amsalework Ayele Ejigu, Gizaw Mengistu Tsidu	Modeling natural forage dependent livestock production in arid and semi-arid regions: analysis of seasonal soil moisture variability and environmental factors	<a href="https://doi.org/10.1007/s40808-024-01973-w">https://doi.org/10.1007/s40808-024-01973-w</a>	2,70	1

ETH:01	Modeling Earth Systems and Environment	Temesgen D. Awoke, Semu M. Kassa, Yibeltal A. Terefe, Manalebish D. Asfaw	Modeling on cost-effectiveness of monkeypox disease control strategies with consideration of environmental transmission effects in the presence of vaccination	<a href="https://doi.org/10.1007/s40808-024-02108-x">https://doi.org/10.1007/s40808-024-02108-x</a>	2,70	1
EAUMP-UDSM	Optimization Methods and Software	Uledi Ngulo, Torbjorn Larsson, Nils-Hassan Quttineh	A meta-heuristic extension of the Lagrangian heuristic framework	<a href="https://doi.org/10.1080/10556788.2024.2404094">https://doi.org/10.1080/10556788.2024.2404094</a>	1,40	1
BURK:01	Palestine Journal of Mathematics	I. NYANQUINI, S. OUARO	On a Bi-nonlocal fourth-order difference problem involving the $p(k)$ -Laplacian type operator		N/A	0
ETH:01	Palestine Journal of Mathematics	Henok Desalegn Desta, Deepak B. Pachpatte, Jebessa B. Mijena and Tadesse Abdi	Some Simpson's type inequalities via fractional integral with respect to another function and its applications	N/A	N/A	0
ETH:01	Palestine Journal of Mathematics	T. Abera, Y. Yitayew, D. Wasihun and Venkateswarlu Kolluru	Ordered Weak Idempotent Rings	N/A	N/A	0
EAUMP-UDSM	Partial Differential Equations in Applied Mathematics	Taqi A.M. Shatnawi, Stephane Y. Tchoumi, Herieth Rwezaura, Khalid Dib, Jean M. Tchuente, Mo'tassem Al-arydah	A two-strain COVID-19 co-infection model with strain 1 vaccination	<a href="https://doi.org/10.1016/j.padiff.2024.100945">https://doi.org/10.1016/j.padiff.2024.100945</a>	N/A	1
EAUMP-MAK	Physica A	Nanyondo, Josephine; Kasumba, Henry	Analysis of heterogeneous vehicular traffic: using proportional densities	<a href="https://doi.org/10.1016/j.physa.2023.129387">https://doi.org/10.1016/j.physa.2023.129387</a>	1,30	1
ETH:01	PLOS ONE	Hao Zhou, Muhammad Farhan Hanif, Hasan Mahmood, Muhammad Kamran Siddiqui, Mazhar Hussain, Samuel Asefa Fufa	On analysis of iron (II) chloride via graph entropy measures and statistical models	<a href="https://doi.org/10.1371/journal.pone.0294580">https://doi.org/10.1371/journal.pone.0294580</a>	2,90	1
ETH:01	Proceedings of the International Geometry Center	Tilahun Ababaw, Jean-Baptiste Gatsinzi, Smegnsh Demelash Yeruk	Rational homotopy type and nilpotency of mapping spaces between projective spaces	<a href="http://dx.doi.org/10.15673/pigc.v16i2.2648">http://dx.doi.org/10.15673/pigc.v16i2.2648</a>	N/A	1
EAUMP-MAK/EAALG	Ramanujan Journal	Batte, Herbert; Ddamulira, Mahadi; Kasozi, Juma; Luca, Florian	On the exponential Diophantine equation $U^x_n + U^x_{n+1} = U_m$	<a href="https://doi.org/10.1007/s11139-023-00818-x">https://doi.org/10.1007/s11139-023-00818-x</a>	0,60	1
EAALG	Rendiconti del Circolo Matematico di Palermo	Mboya, Geoffrey; Szendrői, Balázs	On $K3$ fibred Calabi-Yau threefolds in weighted scrolls	<a href="https://link.springer.com/article/10.1007/s12215-023-00933-0">https://link.springer.com/article/10.1007/s12215-023-00933-0</a>	0,90	1
ETH:01	Research & Reviews: Journal of Statistics and Mathematical Sciences	Tewlede G/Egziabher, Hunduma Legesse Geleta, Abdul Hassen	Automorphic Integrals with Rational Period Functions and Arithmetical Identities	10.4172/JSMS.10.3.001	N/A	no
APREA	Research in Mathematics	Mouhamadou Djima Baranon, Patrick Weke, Judicaël Alladatin and Boni Maxime Ale	Modeling the Progression of Genetic Disorders and Infectious Diseases with Mutations by Extended Markov Processes on Dynamic State-Space: A Probabilistic Perspective	<a href="https://doi.org/10.28919/cmbn/8497">https://doi.org/10.28919/cmbn/8497</a>	0,50	no
BURK:01	Research in Mathematics	P. A. Thiam, D. Dione, F. Bodjrenou, M. A. Diop, M. A.	A note on existence results for noninstantaneous impulsive integrodifferential systems	<a href="https://doi.org/10.1080/027684830.2024.2335700">https://doi.org/10.1080/027684830.2024.2335700</a>	1,10	no
EAUMP-UDSM	Research in Mathematics	Shega Mayila, Marco Mpimbo, Sylvester Rugeihyamu	Analysis and investigation of logical flaw of Zeno's Achilles-Tortoise paradox	<a href="https://doi.org/10.1080/027684830.2024.2326247">https://doi.org/10.1080/027684830.2024.2326247</a>	1,10	no

EAUMP-U DSM	Research in Mathematics	Shega Mayila, Marco Mpimbo, Sylvester Rugeihyamu	On characterizations of a Tr– space: continuity, domination, and alliance	<a href="https://doi.org/10.1080/27684830.2024.2366518">https://doi.org/10.1080/27684830.2024.2366518</a>	1,10	no
ETH:01	Research in Mathematics	Tesfaye Degife Weldetekle, Berhanu Bekele Belayneh, Zelalem Teshome Wale & Gezahagne Mulat Addis	Soft homomorphisms on soft groups	<a href="https://doi.org/10.1080/27684830.2024.2314354">https://doi.org/10.1080/27684830.2024.2314354</a>	1,10	no
ETH:01/ EAALG	Research in Mathematics	Tilahun Abebaw, Nega Arega, Teklemichael Worku Bihonegn & David Ssevviiri	Reduced submodules of finite dimensional polynomial modules	<a href="https://doi.org/10.1080/27684830.2024.2411738">https://doi.org/10.1080/27684830.2024.2411738</a>	1,10	no
BURK:01	Results Math	B. Moussa, I. Nyanquini, S. Ouaro	On the multiplicity of solutions of a discrete Robin Problem with variable exponents	<a href="https://doi.org/10.1007/s00025-024-02144-0">https://doi.org/10.1007/s00025-024-02144-0</a>	1,10	1
EAUMP-U DSM	Scientific African	Mamadou L. Diagne, Folashade B. Agosto, Herieth Rwezaura, Jean M. Tchuente, Suzanne Lenhart	Optimal control of an epidemic model with treatment in the presence of media coverage	<a href="https://doi.org/10.1016/j.sciaf.2024.e02138">https://doi.org/10.1016/j.sciaf.2024.e02138</a>	2,70	1
ETH:01	Scientific Reports	Hong Yang, Muhammad Farhan Hanif, Muhammad Kamran Siddiqui, Muhammad Faisal Hanif, Hira Ahmed & Samuel Asefa Fufa	Topological indices and patterns in iron telluride networks	<a href="https://doi.org/10.1038/s41598-024-65205-y">https://doi.org/10.1038/s41598-024-65205-y</a>	3,80	1
ETH:01	SINET: Ethiopian Journal of Science	Goitom W. Hagos and Tsegaye G. Ayele	Some united boundary-domain integral and integro-differential equations to the Dirichlet BVP for a compressible stokes system with variable viscosity	N/A	N/A	0
ETH:01	SINET: Ethiopian Journal of Science	Jemal Yesuf And Tadesse Abdi	Almost analytic extensions and ultradifferentiable functions	<a href="https://dx.doi.org/10.4314/sinet.v47i3.6">https://dx.doi.org/10.4314/sinet.v47i3.6</a>	N/A	0
ETH:01	SINET: Ethiopian Journal of Science	Tamiru Abera, Yibeltal Yitayew and Kolluru Venkateswarlu	Perfect role of atom in weak idempotent rings	N/A	N/A	0
ETH:01	SINET: Ethiopian Journal of Science	Tesfaye Degife Weldetekle, Berhanu Bekele Belayneh and Zelalem Teshome Wale	Fuzzy points in fuzzy geometry redefined	N/A	N/A	0
APREA	Sri Lanka Journal of Applied Statistics	Douglas A. Candia, Patrick Weke, George Muhua and Moses Manene	A multi-level analysis of help-seeking behaviour of male victims of intimate partner violence	<a href="https://doi.org/10.4038/sljas.v25i1.8121">https://doi.org/10.4038/sljas.v25i1.8121</a>	N/A	no
BURK:01	Stochastics	P. A. Thiam, M. A. Diop, R. Kasinathan	Existence and exponential stability in pth moment of non-autonomous stochastic integro-differential equation	<a href="https://doi.org/10.1080/17442508.2024.2387092">https://doi.org/10.1080/17442508.2024.2387092</a>	N/A	no
EAUMP-U DSM	Tanzania Journal of Science	Alanus Mapunda, Eunice Mureithi, Nyimvua Shaban	An age-structured model for the effects of temperature and rainfall on the transmission dynamics of malaria	10.4314/tjs.v50i3.22	no	no
EAUMP-U DSM	Tanzania Journal of Science	Janeth Pancras Mchwampaka, Eunice Mureithi, Nyimvua Shaban Mbare	Modelling the effects of antiretroviral therapy on kidney diseases Among HIV Infected Individuals in Tanzania	10.4314/tjs.v50i5.13	no	no
EAUMP-U DSM	Tanzania Journal of Science	Jonas A. James., Makungu J. Ng'oga, Augustino I. Msigwa, Ali A. Omary+F59	Analysis of unsteady convective boundary layer flow with magnetic fields, chemical reaction, thermal radiation and variable fluid properties	<a href="https://doi.org/10.4314/tjs.v50i5.15">https://doi.org/10.4314/tjs.v50i5.15</a> – not working	N/A	no
EAUMP-U DSM	Tanzania Journal of Science	Samya Suleiman, Andongwisye John, Emmanuel Sinkwembe, Karl Lundegard	Application of time-varying mortality rate model in pension system: a case of Tanzania	10.4314/tjs.v50i2.6	N/A	no

EAUMP-U DSM	Tanzania Journal of Science	Watson Levens	Modelling the combined use of long-lasting insecticidal nets and insecticides zoophylaxis against the resilience of anopheles arabiensis for effective malaria control	10.4314/tjs.v50i1.11	N/A	no
APREA	Universal Journal of Applied Mathematics	Agnella Nemuo Mandia, Patrick Weke and Joseph Mung'atu	Measuring multivariate negative dependence in higher dimensions using copula-based approach	10.13189/ujam.2024.120202	N/A	no

### 2.5.3 Physics publications

**Table 10.** Summary by region of publication data for the physics programme in 2024. The number of publications (Publ.) in scientific journals is specified to those with and without Thomson Reuters (TR) impact factors (IF) or/and Norwegian Centre for Research Data (NCDR) ranking (see explanation in the first paragraphs of this appendix, and whether ISP funding was acknowledged.

Publication category	Africa		Asia		Latin	America	Total	
	yes	no	yes	no	yes	no	yes	no
Publ. in Scientif. Quality J. (TR or/and NCDR ranked)	42	36	23	38	0	0	65	74
Publ. in Other Scientific Journals (“unranked”)	16	10	11	7	0	0	27	17
Publ. in Journals by “predatory publishers”	15	4	0	0	0	0	15	4
Books, Chapters, Popular Publ., Technical Reports, etc.	1	2			0	0	1	2
<b>Total number of publications (yes/no)</b>	<b>74</b>	<b>52</b>	<b>34</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>108</b>	<b>97</b>
<b>Grand total</b>	<b>126</b>		<b>79</b>		<b>0</b>		<b>205</b>	

Group/ Network	Journal	Author(s)	Title	DOI	WoS, 1 yr IF 2021	Norwegia n Register
ETH:03	ACS Materials Letters	Yekitwork Abebe Temitmie, Muhammad Irfan Haider, Daniele T. Cuzzupè, Lucia V. Mercaldo, Stefan Kraner, Paola Delli Veneri, Amare Benor, Azhar Fakharuddin, Lukas Schmidt-Mende	Overcoming the open-circuit voltage losses in narrow bandgap Perovskites for All-Perovskite tandem solar cells	<a href="https://doi.org/10.1021/acsmaterialslett.4c01699">https://doi.org/10.1021/acsmaterialslett.4c01699</a>	9,90	1
BAN:02/2 BAN:05	ACS Omega	Shahad Saroar, Shadmin Sultana, Sadiq Shahriyar Nishat, Quazi Shafayat Hossain, MNI Khan, Dipa Islam, Umme Sarmeen Akhtar, Muhammad Shahriar Bashar, Sharmin Jahan, Khandker Saadat Hossain, Imtiaz Ahmed	First-principles calculations on electronic, optical, and phonon properties of $\gamma$ -Bi <sub>2</sub> MoO <sub>6</sub> ,	<a href="https://doi.org/10.1021/acsomega.4c03171">https://doi.org/10.1021/acsomega.4c03171</a>	3.7	1
ETH:03	ACS Omega	Melaku Metto, Alemu Tesfaye, Minaleshewa Atlabachew, Atakilt Abebe, Tihunie Fentahun, Abaineh Munshea	A Novel Poly (Cytosine) based electrochemical biosensor for sensitive and selective determination of guanine in human DNA, blood serum, and urine samples.	10.1021/acsomega.4c01939	3.7	1
ETH:03	ACS Omega	Metto M, Tesfaye A, Atlabachew M, Abebe A.	Simultaneous determination of sulfamethoxazole and trimethoprim from clinical urine and blood serum samples by the application of Poly(Cu <sub>2</sub> P <sub>4</sub> BCL <sub>4</sub> )/GCE	10.1021/acsomega.4c08716	3.7	1
BAN:02/2	ACS Omega	M. S. Hossen, T. Islam, S. Manjura Hoque, M. A. Islam, M. M. Bashar and G. Bhat	Synthesis, activation, and characterization of carbon fiber precursor derived from jute fiber	<a href="https://doi.org/10.1021/acsomega.4c01268">https://doi.org/10.1021/acsomega.4c01268</a>	3.7	1
BAN:02/2	ACS Omega	M.D. Hossain, M.A. Hossain, M. S. Hossain, M.N.I. Khan, S.S. Sikder	Sintering temperature dependent characterization of Ni nano ferrite with the optimization of frequency dependent properties	<a href="https://doi.org/10.1016/j.surf.2024.104952">https://doi.org/10.1016/j.surf.2024.104952</a>	3.7	1
BAN:02/2	ACS Omega	M.S. Islam, S. Manjura Hoque, M. Rahman, M. R. Islam, A. Irfan and A. Sharif	Superior cyclic stability and capacitive performance of cation- and water molecule-preintercalated $\delta$ -MnO <sub>2</sub> /h-WO <sub>3</sub> nanostructures as supercapacitor electrodes	<a href="https://doi.org/10.1021/acsomega.3c09236">https://doi.org/10.1021/acsomega.3c09236</a>	3.7	1
ETH:01	ACS Omega	Alemayehu G. Waketola, Fekadu G. Hone, Fikadu T. Geldasa, Zewdneh Genene, Wendimagegn Mammo, and Newayemedhin A. Tegegne	Enhancing the performance of wide-bandgap polymer-based organic solar cells through silver nanorod integration	<a href="https://doi.org/10.1021/acsomega.3c08386">https://doi.org/10.1021/acsomega.3c08386</a>	3.7	1
AFSIN	ACS Photonics	Ilix Malfondet, Moise Deroh, Sidi-Ely Ahmedou, Alexandre Parriaux, Kamal Hammani, Romain Dauliat, Laurent Labonté, Sebastien Tanzilli, Jean-Christophe Delagnes, Philippe Roy, Raphael Jamier, Guy Millot	Near-infrared dual-comb spectroscopy of CO <sub>2</sub> and N <sub>2</sub> O with a discretized highly nonlinear fiber	<a href="https://doi.org/10.1021/acsp Photonics.3c01625">https://doi.org/10.1021/acsp Photonics.3c01625</a>	6,50	1
ESARSWG	Acta Geophysica	Mulibo, G.D.	A strike slip fault dynamic and seismic hazard implications on the future big event: insights from the Mw 5.5 Rukwa earthquake of 21 March 2019.	<a href="https://doi.org/10.1007/s11600-024-01316-4">https://doi.org/10.1007/s11600-024-01316-4</a>	2,00	1
AFSIN	Advances in Bioscience and Biotechnology	Edoukoua Jean Michel Konin, Pavel Yale, Abadè Ange-Boris N'guessan, Kouassi Benoit Kouakou, Abaka Michel Kouacou, Eugene Megnassan	Using optical tweezers to study the friction of the red blood cells	<a href="https://doi.org/10.4236/abb.2024.152007">https://doi.org/10.4236/abb.2024.152007</a>		
RWA:01	Advances in Space Research	Opio Phillip, Uwamahoro Jean Claude, Andima Geoffrey, Jurua Edward	Comparative analysis of the GNSS-TEC methods for determining effective height of the ionosphere	<a href="https://doi.org/10.1016/j.asr.2024.07.022">https://doi.org/10.1016/j.asr.2024.07.022</a>	2,80	1

RWA:01	Advances in Space Research	Theogene Ndcyayisenga, Jean Uwamahoro, Jean Claude Uwamahoro, Christian Kwisanga, Christian Monstein	Large solar energetic particles and solar radio emissions during Cycle 25. A comparative analysis of trends and characteristics with cycles 23 and 24	<a href="https://doi.org/10.1016/j.asr.2024.11.060">https://doi.org/10.1016/j.asr.2024.11.060</a>	2,80	1
RWA:01	Advances in Space Research	Theogene Ndcyayisenga, Jean Uwamahoro, Kantepalli Sasikumar Raja, Jean Claude Uwamahoro, Christian Kwisanga, Christian Monstein	An assessment of solar cycle 25 progress through observation of srbs and associated geomagnetic storms	<a href="https://doi.org/10.1016/j.asr.2024.03.006">https://doi.org/10.1016/j.asr.2024.03.006</a>	2,80	1
UGA:02	Advances in Space Research	P. Opio, J.C. Uwamahoro, G. Andima, E. Jurua,	Comparative analysis of the GNSS-TEC methods for determining effective height of the ionosphere	<a href="https://doi.org/10.1016/j.asr.2024.07.022">https://doi.org/10.1016/j.asr.2024.07.022</a>	2,80	1
KEN:01/2	Aerosol Research	Susan W. Karuga, Erik M. Kelder, Michael J. Gatari and Jan C. M. Marijnissen	A comprehensive design schedule for electrosprayed thin films with different surface morphologies	<a href="https://doi.org/10.5194/ar-2-245-2024">https://doi.org/10.5194/ar-2-245-2024</a>		1
BAN:02/2	AIP Advances	A. Ghosh, M. Zaheen, A. Islam, M. S. Rahman, A. Sharif and S. Manjura Hoque	Enhancement of coercivity in polybenzoxazine/Co <sub>x</sub> Mg <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoferrite composites: Synthesis and characterization	<a href="https://doi.org/10.1063/5.0189029">org/10.1063/5.0189029</a>	1,40	1
BAN:02/2	AIP Advances	Preanka Mondal, Sumi Akter, Probal Roy, Iftakhar Bin Elius, M. N. I. Khan, S. S. Sikder	Tunable annealing effect to enhance structural and magnetic properties of spinel cobalt magnesium ferrite nanoparticles	<a href="https://doi.org/10.1063/5.0227733">10.1063/5.0227733</a>	1,40	1
BAN:02/2 /BAN:05	AIP Advances	Imran Hossain Sabuj, Shirin Akter Jahan, M. N. I. Khan, Umme Sarmeen Akhtar, Dipa Islam, Muhammad Shahriar Bashar, H. N. Das, Sharmin Jahan, Quazi Shafayat Hossain, Khandker Saadat Hossain, Sazzad M. S. Imran, Imtiaz Ahmed	An experimental look into efficient quaternary Bi <sub>5</sub> O <sub>7</sub> /Bi(IO <sub>3</sub> ) <sub>3</sub> /Bi <sub>2</sub> (IO <sub>4</sub> )(IO <sub>3</sub> ) <sub>3</sub> /BiOIO <sub>3</sub> photocatalytic composite	<a href="https://doi.org/10.1063/5.0193533">10.1063/5.0193533</a>	1,400	1
BAN:05	AIP Advances	Nusaiba Akter Saima, Khandker Saadat Hossain and Sabina Hussain	Preparation of MoS <sub>2</sub> nanoflakes in a mixed solvent by liquid phase exfoliation (LPE) technique	<a href="https://doi.org/10.1063/5.0235505">https://doi.org/10.1063/5.0235505</a>	1,40	1
RWA:01	Air Quality, Atmosphere & Health	Abdou Safari Kagabo, Bonfils Safari, Yao Télesphore Brou, Jimmy Gasore, Bethwel Kipkoeh Mutai	Assessing the impact of intense urbanization, ambient air pollution and temperature on hospital visits for respiratory diseases in Rwanda	<a href="https://doi.org/10.1007/s11869-024-01672-6">https://doi.org/10.1007/s11869-024-01672-6</a>	5,8?	1
ETH:03	Analytical Science Advances	E. Wedimu, and G. Tizazu	Effect of orange fruit peel extract concentration on the synthesis of zinc oxide nanoparticles	<a href="https://doi.org/10.1002/ansa.202400023">10.1002/ansa.202400023</a>	3,00	1
AFSIN	Animal Biotelemetry	Hampus Månefjord, A Andrew Huzortey, Rabbi Boateng, Y Adolphe Gbogbo, AS Doria Yamo, Jérémie T Zoueu, Peter K Kwapong, Benjamin Anderson, Mikkel Brydegaard	Hyperspectral lidar for monitoring high-resolution activity patterns of African stingless bee species	<a href="https://doi.org/10.1186/s40317-024-00372-3">https://doi.org/10.1186/s40317-024-00372-3</a>	2,40	1
RWA:01	Annales Geophysicae	Theogene Ndcyayisenga, Jean Uwamahoro, Jean Claude Uwamahoro, Daniel Izuikedinachi Okoh, Kantepalli Sasikumar Raja, Akeem Babatunde Rabi, Christian Kwisanga, and Christian Monstein	Low-frequency solar radio type II bursts and their association with space weather events during the ascending phase of solar cycle 25	<a href="https://doi.org/10.5194/angeo-42-313-2024">https://doi.org/10.5194/angeo-42-313-2024</a>	1,20	1
AFSIN	APL Photonics	Maxime Zerbib, Moise Deroh, Thibaut Sylvestre, Kien Phan Huy, Jean-Charles Beugnot	Stimulated Brillouin scattering in silica optical nanofibers	<a href="https://doi.org/10.1063/5.0223243">https://doi.org/10.1063/5.0223243</a>	5,40	1

BUF:01	Applied and Environmental Soil Science	Christian Bangou, Zakaria Yameogo, Karim Hie, Etienne Nitiema, Issa Zerbo, Martial Zoungrana	Assessment of natural radioactivity and radiological hazards in soil, sorghum, and water in Villy at the west central region of Burkina Faso	<a href="https://doi.org/10.1155/2024/2002878">https://doi.org/10.1155/2024/2002878</a>	2,10	1
BAN:02/2	Applied Physics A	M. A. H. Badhan, M. S. Ullah, S. Manjura Hoque, M. L. Rahman, A. Islam, M. M Rahman	Influence of Gd substitution on the structural, dielectric, elastic and magnetic properties of $Mg_{0.3}Cu_{0.2}Zn_{0.4}Gd_xFe_{2.1-x}O_4$	<a href="https://doi.org/10.1007/s00339-024-07598-1">10.1007/s00339-024-07598-1</a>	2,50	1
ETH:03	Applied Physics A Materials Science & Processing	M. Mengesha, S. Alayou, and G. Tizazu	Factors influencing surface coverage and structural organization of phosphonic acid self-assembled monolayers on zinc oxide	<a href="https://doi.org/10.1007/s00339-024-08006-4">10.1007/s00339-024-08006-4</a>	2,50	1
AFSIN	Applied Physics Research	Abadê Ange-Boris N'guessan, Pavel Yale, Edoukoua Jean Michel Konin, Michel Abaka Kouacou	Simple Estimation of the Trapping Height in Optical Tweezers	<a href="https://doi.org/10.5539/apr.v16n1p10">https://doi.org/10.5539/apr.v16n1p10</a>		0
AFSIN	Applied Physics Research	Constant Kouakou Kouakou, Mathias Logbo Mousse, Wilfried G. Dibi, Michel Abaka Kouacou, Daniel K. Kra, Jeremie T. Zoueu	Early detection of cassava vascular bacteriosis ( <i>Xanthomonas Axonopodis</i> pv. <i>Manihotis</i> ) by visible near-infrared spectroscopy before the appearance of critical symptoms	<a href="https://doi.org/10.5539/apr.v16n2p64">https://doi.org/10.5539/apr.v16n2p64</a>		0
AFSIN/KEN:04	Applied Radiation and Isotopes	Mutinda, H. K., Kaniu, M. I., Mangala, M. J., & Kairu, W. M.	A wireless-controlled lab-scale system for automated gamma column scanning and radiotracer applications	<a href="https://doi.org/10.1016/j.pradis.2024.111229">https://doi.org/10.1016/j.pradis.2024.111229</a>	1,60	1
KEN:01/2	Applied Radiation and Isotopes	John Kiprotich Birir, Michael James Gatari, Mohamed Subair Syed Akbar Ali, Prabhu Rajagopal	Metamaterial enhanced subwavelength imaging of inaccessible defects in guided ultrasonic wave inspection	<a href="https://doi.org/10.1016/j.ndteint.2024.103070">https://doi.org/10.1016/j.ndteint.2024.103070</a>	4,10	1
KEN:01/2	Applied Radiation and Isotopes	H.K. Mutinda, M.I. Kaniu, M.J. Mangala, W.M. Kairu	Sources and long-term variability of carbon monoxide at Mount Kenya and in Nairobi	<a href="https://doi.org/10.1016/j.pradis.2024.111229">https://doi.org/10.1016/j.pradis.2024.111229</a>	1,60	1
AFSIN/KEN:04	Applied Spectroscopy Practica	Ndung'u, C. N., Kaduki, K. A., Kaniu, M. I., & Kiruri, L. W.	Enhanced detection of pesticide residues using two-dimensional Raman correlation spectroscopy and machine learning	<a href="https://doi.org/10.1177/27551857241303466">https://doi.org/10.1177/27551857241303466</a>		
ESARSWG	Arabian Journal of Geosciences	Wolde, B., Ayele, A., Hailmariam, T. et al.	Site characterization using active and passive surface wave analysis: a case study for some representative sites in Addis Ababa, Ethiopia	<a href="https://doi.org/10.1007/s12517-024-12100-5">https://doi.org/10.1007/s12517-024-12100-5</a>	1,83	0
BAN:02/2	Arabian Journal of Chemistry	M. M. Rahman, A. Al Mamun, H. Minami, M. M. Rahman, S. Manjura Hoque, H. Ahmad	Biochar/poly(aniline-pyrrole) modified graphite electrode and electrochemical behavior for application in low-cost supercapacitor	<a href="https://doi.org/10.1016/j.arabj.2024.105938">https://doi.org/10.1016/j.arabj.2024.105938</a>	5,30	1
MAL:01	Atmosphere	Kagou Dicko, Emmanuel Tanko Umaru, Souleymane Sanogo, Appollonia Aimosino Okhimamhe and Ralf Loewner	A trend analysis of changes in cooling degree days in West Africa under global warming	<a href="https://doi.org/10.3390/atmos15111376">doi.org/10.3390/atmos15111376</a>	2,50	1
BAN:02/2	Bangladesh Journal of Physics	Islam, M., Sarker, M. S. I., Khan, M. K. R., & Khan, M. N. I.	Facile sol-gel synthesis of copt nanopowder in air ambient: a study for soft magnetic device applications	<a href="https://doi.org/10.3329/bjphy.v31i1.79518">10.3329/bjphy.v31i1.79518</a>		no
NEP:01	Bibechana	Simkhada, R., Gibbs, D. R., Dhakal, S., Oli, D., Ghimire, R. R., Mulmi, D. D., & Pradhan Joshi, L.	Fabrication of Cu: ZnO thin film sensor for ethanol vapor detection	<a href="https://doi.org/10.3126/bibechana.v22i1.70639">https://doi.org/10.3126/bibechana.v22i1.70639</a>		
BAN:02/2	Carbohydrate Polymer Technologies & Applications	M.S. Rana, M.A. Rabbi, M.F. Begum, S. Manjura Hoque, M.M. Rahman, Md.A. Rahman, H Ahmed	Aminated nano-crystalline cellulose decorated binary Ag-ZnO nanocomposite particles with a comparative study of antimicrobial activity and cell viability	<a href="https://doi.org/10.1016/j.carpta.2024.100554">10.1016/j.carpta.2024.100554</a>	6,20	1

MYA:01	Carbon	T. T. A. Lwin, F. Chen and S.K.K. Aung	Enhanced desalination performance of flow capacitive deionization with the addition of conductive polymer in redox couples and activated carbon	10.1016/j.carbon.2024.119703	10,50	2
RWA:01	City and Environment Interactions	Abdou Safari Kagabo, Bonfils Safari, Jimmy Gasore, Bethwel Kipkoech Mutai	Assessing the degree of personal exposure to PM2.5 in growing cities of Rwanda based on time-activity patterns and microenvironments	<a href="https://doi.org/10.1016/j.cacint.2024.100174">https://doi.org/10.1016/j.cacint.2024.100174</a>	3,90	1
TAN: 01/2 MSSEESA	Cleaner Engineering & Technology	Abdulmajid T Khatib, Margaret E Samiji, Nuru R Mlyuka	Optimum solar collector's north-south tilt angles for Dar es Salaam and their influence on energy collection	<a href="https://doi.org/10.1016/j.clet.2024.100778">https://doi.org/10.1016/j.clet.2024.100778</a>	5,30	1
MYA:02	Colloids and Surfaces A: Physicochemical and Engineering Aspects	Jingzhe Zhang, Xin Wang, Jinhong Dai, Prayoon Songsiriritthigul, Than Zaw Oo, Mono Zaw, Nyein Wint Lwine, Su Htike Aunge, Fuming Chen	Defect engineering in 0D/2D TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction for boosting photocatalytic degradation of tetracycline in a tetracycline/Cu <sup>2+</sup> combined system	<a href="https://doi.org/10.1016/j.colsurfa.2023.132624">https://doi.org/10.1016/j.colsurfa.2023.132624</a>		1
BAN:02/2	Computational Condensed Matter	A. T. Naziba, M. T. Nafisa, R. Sultana, M. F. Ehsan, A.R.M. Tareq, R. Rashid, H. Das, A.K.M. A. Ullah, A.K.M. F. Kibria	Structural, optical and magnetic properties of Co-doped ZnO nanorods: Advancements in room temperature ferromagnetic behavior for spintronic applications	<a href="https://doi.org/10.1016/j.jmmm.2024.171836">https://doi.org/10.1016/j.jmmm.2024.171836</a>	2,60	no
BAN:02/2	Computational Condensed Matter	M.R.Munshi, M.S. Zahan, M.S. Zahan, M.Z. Rana, M.a. Masud, R. Rashid, M.A.K. Azad	First principles prediction of structural, electronic, mechanical thermodynamic, optical and photocatalytic properties of In(X)O <sub>2</sub> , where X=Cu, Ag crystal scrutinized by hybrid DFT	10.1016/j.cocom.2023.e00865	2,60	no
BAN:02/2	Current Drug Delivery	T. I. Islam, S. Manjura Hoque and M.H. Uddin	Lignin nanoparticles as pH-responsive nanocarriers for gastric-irritant oral drug aspirin	10.2174/0115672018318035240910050003	2,80	1
BUF:01	Current Journal of Applied Science and Technology	Salifou Tera, Souleymane Sinon, Sié KAM, Haro Kayaba, Ourmar Sanogo and Benoit Stutz	Study of the performance of an indirect forced convection solar dryer incorporating a thermal energy storage device on a granite bed for drying tomatoes	10.9734/cjast/2024/v43i74411		
BUF:01	Current Journal of Applied Science and Technology	SORO, Boubacar, Amadou DIALLO, Serge Dimitri Y. B. BAZYOMO, Adama OUEDRAOGO, Seyni SALACK, Dieudonné Joseph BATHIEBO, and Sié KAM	Optimal sizing of output energy of pv power plants under extreme climate conditions: case of Sudanian Sahel	10.9734/cjast/2024/v43i104437		
BAN:02/2	Discover Applied Science	A.Paul, I.N.Esha, R.Jania, S. Manjura Hoque, S.A. Jahan, F.Chowdhury, K.H. Maria	Hydrothermally derived Cr-doped SnS <sub>2</sub> layered nanoparticles investigation of their controlled structural, morphological, optical, magnetic, photo response and photocatalytic activities	<a href="https://doi.org/10.1007/s42452-024-06173-w">https://doi.org/10.1007/s42452-024-06173-w</a>		1
AFSIN/ KEN:04	Earth Science Informatics	Cheruiyot, E., Mito, C., & Menenti, M.	An improved method of soil moisture meter calibration for satellite data validation at watershed scale.	<a href="https://doi.org/10.1007/s12145-023-01170-w">https://doi.org/10.1007/s12145-023-01170-w</a>	2,70	1
ESARSWG	Earthquake Spectra	Holmgren JM, Werner MJ, Goda K, Villani M, Silva V, Chindandali P.	Ranking and developing ground-motion models for Southeastern Africa	<a href="https://doi.org/10.1177/87552930241236765">https://doi.org/10.1177/87552930241236765</a>	3,10	1
RWA:01	East Africa Journal of Science and Technology	Aminadab Tuyisenge, Joseph Ndakize Sebaziga, Prosper Ayabagabo, Anthony Twahirwa, Vedaste Iyakaremye, Jonah Kazora, Frank Rusanganwa, Alphonsine Musanganire, JMV Niyitegeka, Mathieu Mugunga Mbat	Assessing variability in monthly rainfall and water balance in Kayonza District, Eastern Rwanda.			

KEN:01/2	Electrical and Electronics Research	Moureen Nalumansi, Elijah Mwangi and George Kamucha	Improved Magnetic Resonance Image Reconstruction using Compressed Sensing and Adaptive Multi Extreme Particle Swarm Optimization Algorithm	<a href="https://doi.org/10.37391/IJEEER.120209">https://doi.org/10.37391/IJEEER.120209</a>		
BUF:01	Elixir Electrical Engineering	Tchouadep Guy Serge, Soro Boubacar, Kpéli Eosso-Ehanam Tchadre, Compaore Wendlassida Patrice, Zerbo Issa1 and Zougrana Martial	Investigation of the Contribution of the Widening of the SCR in the Study of 1 MeV Electrons Damage on the Performances of a Polycrystalline Silicon Solar Cell	<a href="https://www.elixirpublishers.com/articles/1724651193_202407004.pdf">https://www.elixirpublishers.com/articles/1724651193_202407004.pdf</a>		
ETH:01	Energy & Fuels	Kidan G. Gebremariam, Fekadu G. Hone, Asfaw Negash, Zewdneh Genene, Jane Dai, Alemayehu G. WaketolaGenene T. Mola, Wendimagegn Mammo, Newayemedhin A. Tegegne	Self-Assembled Monolayer Engineered ZnO Electron Transport Layer to Improve the Photostability of Organic Solar Cells	<a href="https://pubs.acs.org/doi/10.1021/acs.energyfuels.4c01558">https://pubs.acs.org/doi/10.1021/acs.energyfuels.4c01558</a>	5,20	1
BUF:01	Energy and Power Engineering	Idrissa Sourabié, Mahamadi Savadogo, Boubacar Soro, Ramatou Saré, Christian Zoundi, Martial Zougrana, Issa Zerbo	Corrective effect of the angle of incidence of the magnetic field intensity on the performance (series and shunt resistances) of a bifacial silicon solar cell	<a href="https://doi.org/10.4236/epe.2024.169015">10.4236/epe.2024.169015</a>		
UGA:01/MSSEESA	Energy for Sustainable Development	Katongole, D. N., Nyeinga, K., Okello, D., Mukiibi, D., Mubiru, J., & Kisira, Y	Empowering the solar energy landscape: The techno-economic analysis of grid-connected PV power plants in Uganda	<a href="https://doi.org/10.1016/j.jesd.2024.101544">https://doi.org/10.1016/j.jesd.2024.101544</a>	4,40	1
ETH:01	Energy Technology	Yissa A. Mohammed, Fekadu G. Hone, Genene T. Mola, Newayemedhin A. Tegegne	Non-electron withdrawing unit copolymerization to enhance photostability of thiophene-based organic solar cells	<a href="https://doi.org/10.1002/ente.202401316">https://doi.org/10.1002/ente.202401316</a>	3,60	1
MYA:01	Engineering Science and Educational Journal	Htet Htet Wai Moe	Identification of binding energy and atomic state of $\Xi^-$ Hyperon in $\Xi^-$ -14N System			
MYA:01	Engineering Science and Educational Journal	Wai Wai Aung	Analysis of Xi Minus ( $\Xi^-$ ) hyperon stopped event in nuclear Emulsion of J-PARC E07 experiment			
RWA:01	Environmental and Sustainability Indicators	Abdou Safari Kagabo, Bonfils Safari, Jimmy Gasore, Bethwel Kipkoeh Mutai, Joseph Ndakize Sebaziga	Assessing the impact of land use land cover changes on land surface temperature over kigali, rwanda in the past three decades	<a href="https://doi.org/10.1016/j.jindic.2024.100452">https://doi.org/10.1016/j.jindic.2024.100452</a>	5,40	1
BAN:02/2	Environmental Pollution	P. Banik, M. Anisuzzaman, S. Bhattacharjee, D. J Marshall., J. Yu, As-Ad U. Nur, Y.N. Jolly, M. Al Mamun	Quantification, characterization and risk assessment of microplastics from five major estuaries along the northern Bay of Bengal coast	<a href="https://doi.org/10.1016/j.jenvpol.2023.123036">https://doi.org/10.1016/j.jenvpol.2023.123036</a>	7,60	1
MAL:01	Environmental Research communication	Nana Coulibaly, Souleymane Sanogo and Abdramane BA	Evaluation of SENTINEL-2 products-based algorithms in estimating water pollutants of the River Niger in Bamako	<a href="https://doi.org/10.1088/2515-7620/ad62c4">doi.org/10.1088/2515-7620/ad62c4</a>	2,50	1
AFSIN	EQA-International Journal of Environmental Quality	Yawovi Mignanou Amouzouvi, Koffi Sagna, Kossi Tepe, Kosi Sesime, Kossivi BR Afoudji, Milohum Mikesokpo Dzagli, Messanh A Mohou, Jérémie T Zoueu	Ecological and health risks assessment of heavy metal in soils and leaves around CIMTOGO cement factory, Lomé, Togo	<a href="https://doi.org/10.6092/issn.2281-4485/19712">https://doi.org/10.6092/issn.2281-4485/19712</a>	0,50	
EAARN/RWA:01	European Physical Journal C	Albert Munyeshyaka, Joseph Ntahompagaze, Tom Mutabazi, and Manasse R. Mbonye	On covariant perturbations with scalar field in modified Gauss-Bonnet gravity	<a href="https://doi.org/10.1140/epjc/s10052-023-12381-2">doi.org/10.1140/epjc/s10052-023-12381-2</a>	4,30	

AFSIN	Food and Humanity	Ndung'u, C. N., Kaniu, M. I., Wanjohi, J. M., Odongo, K. O., Kiruri, L. W., & Kaduki, K. A.	Feasibility for rapid on-site screening of pesticide residues in fresh produce using machine learning-assisted diffuse reflectance spectroscopy	<a href="https://doi.org/10.1016/j.foohum.2023.100204">https://doi.org/10.1016/j.foohum.2023.100204</a>		
BAN:02/2	Frontiers in Chemistry	I. Syed, S. A. Lima, N. Deb, M. Al-Mamun, S. Manjura Hoque	Performance evaluation of dextran-coated CaFe <sub>12</sub> O <sub>19</sub> /MnFe <sub>2</sub> O <sub>4</sub> exchange-spring composites for the self-heating properties at radio frequency field	<a href="https://doi.org/10.3389/fchem.2024.1347113">https://doi.org/10.3389/fchem.2024.1347113</a>	3,80	1
BAN:02/2	Frontiers in Chemistry	M. A. Islam, I. M. Syed, M. Al Mamun and S. Manjura Hoque	Effect of particle size and composition on local magnetic hyperthermia of chitosan Mg <sub>1-x</sub> Co <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanohybrid	<a href="https://doi.org/10.3389/fchem.2024.1347423">https://doi.org/10.3389/fchem.2024.1347423</a>	3,80	1
LAO:01	Geochimica et Cosmochimica Acta	P M Zanetta, A-M Seydoux-Guillaume, P Rochette, B Reynard, V Tricaud, P Soro, S Singsoupho, AN Kouamelan, O Monda, D Baratoux	Origin of the Ca-phosphate inclusions in Ivory Coast and Australasian Muong-Nong-type tektites	<a href="https://doi.org/10.1016/j.gca.2024.09.021">https://doi.org/10.1016/j.gca.2024.09.021</a>	4,50	2
AFSIN /KEN:04	GeoHealth	Njeru, M. N., Mwangi, E., Gatari, M. J., Kaniu, M. I., Kanyeria, J., Raheja, G., & Westervelt, D. M.	First results from a calibrated network of low-cost PM2.5 monitors in Mombasa, Kenya show exceedance of healthy guidelines	<a href="https://doi.org/10.1029/2024GH001049">https://doi.org/10.1029/2024GH001049</a>	4,40	1
BAN:04	Global Clinical Engineering Journal	Afroza Naznin, Muhammad Abdul Kadir, Fatima Begum, Khondkar Siddique-e Rabbani	Comparative performance of low-cost portable scanner in pregnancy profile ultrasonography: a promising adjunct to telemedicine	10.31354/globalce.v6i3.2020		
BAN:02/2	Heliyon	M.A.Al Asif, F.Mahjabin, S.K.Singha, M.M.R. Jahangir, S. Manjura Hoque	Application of nano-urea in in conventional flood-irrigated Boro rice in Bangladesh and nitrogen losses investigation	<a href="https://doi.org/10.1016/j.heliyon.2024.e3715">https://doi.org/10.1016/j.heliyon.2024.e3715</a>	3,40	1
BAN:02/2	Heliyon	P.Roy, S. Manjura Hoque, S. Akter, S.I. Liba, S. Choudhury	Study on the chemical co-precipitation synthesized CoFe <sub>2</sub> O <sub>4</sub> nanoparticle for magnetocaloric performance in the vicinity of superparamagnetic blocking temperature	<a href="https://doi.org/10.1016/j.heliyon.2024.e34413">https://doi.org/10.1016/j.heliyon.2024.e34413</a>	3,40	1
BAN:02/2	Heliyon	Sumi Aktera, M.N.I. Khanc, Faria Ferdousb, H.N. Dasc, M.K. Alama, Md Abdur Rahmand, Tarique Hasanf, Ishtiaque M. Syed	Unveiling the role of sintering temperatures in the physical properties of Cu-Mg ferrite nanoparticles for photocatalytic application	10.1016/j.heliyon.2024.e40771	3,40	1
BAN:02/2 BAN:05	Heliyon	Tasnim Ahmed Mahia, Quazi Shafayat Hossaina, Sadiq Shahriyar Nishatb, Shahran Ahmeda, M.N.I. Khanc, Muhammad Shahriar Bashard, Shirin Akter Jahane, Umme Sarmeen Akhtare, Sharmin Jahanf, Fariha Chowdhuryg, Khandker Saadat Hossainh, Ahmad Irfani, Imtiaz Ahmed	Combined experimental and first principles look into (Ce, Mo) doped BiVO <sub>4</sub>	10.1016/j.heliyon.2024.e29408	3,40	1
BAN:02/2	Heliyon	Zakariya Mohaymana, J.U. Ahameda, F.T.Z. Tomab, M.M. Tresaa, Kazi Md. Amjad Hussainb, M.N.I. Khan	Exploring the influence of iron doping on structural, morphological and optical properties of chemical bath deposited cadmium selenide thin films for optoelectronic applications	10.1016/j.heliyon.2024.e33311	3,40	1
ESARSWG	Heliyon	Duke N. Nyangena, Athanas S. Macheyeki, Seetharamaiah Jagarlamudi	Seafloor spreading of the third arm of the Afar triple junction: A review	<a href="https://doi.org/10.1016/j.heliyon.2024.e29227">https://doi.org/10.1016/j.heliyon.2024.e29227</a>	3,40	1
ETH:03	Heliyon	Metto M, Tesfaye A, Atlabachew M, Abebe A.	Novel electrochemical sensor based on Poly([Cu(H <sub>2</sub> O) <sub>2</sub> P <sub>2</sub> ] <sub>2</sub> )/GCE for the determination of trimethoprim in clinical samples and cow's milk samples	10.1016/j.heliyon.2024.e38794	3,40	1

KEN:03/ MSSEESA	Heliyon	Nancy Obare, Wycliffe Isoe, Amos Nalianya, Maxwell Mageto, Victor Odari	Numerical study of copper antimony sulphide (CuSbS <sub>2</sub> ) solar cell by SCAPS-1D	<a href="https://doi.org/10.1016/j.heliyon.2024.e26896">https://doi.org/10.1016/j.heliyon.2024.e26896</a>	3,40	1
BAN:05	Heliyon	Antara R. Chakraborty, Fatema Tuz Zohora Toma, Khorshed Alam, Shanjida B. Yousuf and K. Saadat Hossain	Influence of annealing temperature on Fe <sub>2</sub> O <sub>3</sub> nanoparticles: Synthesis optimization and structural, optical, morphological, and magnetic properties characterization for advanced technological applications,	<a href="https://doi.org/10.1016/j.heliyon.2024.e40000">https://doi.org/10.1016/j.heliyon.2024.e40000</a>	3,40	1
BAN:02/2	Hybrid Advances	S M Kalbin Salim Turjo, Md Foisal Hossain, Muhammed Sohel Rana, Md Al-Mamun, Md Shafiul Ferdous	Durability and mechanical characteristics of unidirectional jute/banana and synthetic fiber reinforcement epoxy composite	10.1016/j.hybadv.2024.100232		
BAN:04	IEEE Access	Md Amimul Ihsan, Abrar Faiaz Eram, Lutfun Nahar, Muhammad Abdul Kadir	MediSign: an attention-based CNN-BiLSTM approach of classifying word level signs for patient-doctor interaction in hearing impaired community	10.1109/ACCESS.2024.3370684	3,40	1
AFSIN	Indian Journal of Environmental Protection	Solagnon Edoh Koevidjin, Yawovi Nougbléga, Mignanou Yawovi Amouzouvi, Milohum Mikesokpo Dzagli, Jérémie Thouakessèh Zoueu	Modelling air dispersion of pollutants emitted from limestone mining and processing in South Togo (Tabligbo)			
UGA:02	Indian Journal of Physics	L. Nazziwa, I. Habumugisha, E. Jurua	Obliquely nonlinear solitary waves in magnetized electron-positron plasma	<a href="https://doi.org/10.1007/s12648-024-03329-7">https://doi.org/10.1007/s12648-024-03329-7</a>	1,60	1
MAL:01	Information Research Communications	Kagou Dicko, Emmanuel Tanko Umaru, Souleymane Sanogo, Ralf Loewner, Appollonia Aimiosino Okhimamhe	Bibliometric analysis of global research on cities response to climate change through renewable energy	10.5530/irc.1.2.9		
BAN:02/2	International Journal of Applied Ceramic Technology	M. Atikur Rahman, Zahid Hasan, Hasan Khaled Rouf, M. Khurshed Alam, A. K. M. Akther Hossain, M. N. I. Khan, M. R. Mohammad, Abdullah Alodhayb, Saikh Mohammad, Rajesh Haldhar, M. Khalid Hossain	Study on the magnetoelectric effect, ferroelectric and optical investigation of (1-x) BCT + x NZLFO multiferroic composite	10.1111/ijac.14776	1,80	1
BAN:02/2	International Journal of Biological Macromolecules	M.R. Islam, M.S. Manir, M. Razzak, M.A. Mamun, M.F. Mortuza, M.J. Islam, Shumin Yang, Huachun Pan, A.K.M.M. Alam, Quazi T.H. Shubhra	Silk-enriched hydrogels with ROS-scavenging dendrimers for advanced wound care	10.1016/j.ijbiomac.2024.135567	7,70	1
BUF:01	International Journal of Current Research	Drissa OUEDRAOGO, Gaël Lassina SAWADOGO, YomiWoro GOUNKAOU, Rinnogdo Wilfried OUEDRAOGO and Serge Wendsida IGO	Cooking energy savings achieved with an insulated metal pressure cooker using kapok wool: economic and environmental implications	<a href="https://doi.org/10.24941/ijcr.xxxx.xx.2024">https://doi.org/10.24941/ijcr.xxxx.xx.2024</a>		0
ETH:03	International Journal of electrochemical science	Tsega T, Chanie G, Kassa A, Gebrezgiabher M, Tesfaye D, Metto M, Bitew M, Tigineh GT, Linert W, Thomas M, Abebe A.	Synthesis, structural characterizations, electrochemical behavior, and antibacterial activities of a Chromium (III) resorcinolate complex	10.1016/j.ijoes.2024.100659	1,30	1
AFSIN	International Journal of Imaging Systems and Technology	Solange Doumun OULAI, Sophie Dabo-Niang, Jérémie Zoueu	A Multispectral Blood Smear Background Images Reconstruction for Malaria Unstained Images Normalization	<a href="https://doi.org/10.1002/im.a.23182">https://doi.org/10.1002/im.a.23182</a>	3,00	1
BUF:01	International Journal of Innovation and Applied Studies	Noufou Bagaya, Windé Nongué Daniel Koumbem, Bouwèreou Bignan Kagomna, Issaka Ouédraogo, Thierry Sikoudouin Maurice Ky and Sié Kam	A new perspective on experimental analysis of biomass cookstove to improve energy efficiency	<a href="http://www.ijias.issr-journals.org/">http://www.ijias.issr-journals.org/</a>		

BAN:05	International Journal of Molecular Sciences	Aminur Rahman, Md Abdul Kafi, Geunyoung Beak, Sanjay Kumar Saha, Kumar Jyotirmoy Roy, Ahsan Habib, Tania Faruqe, Mahbubul Pratik Siddique, Md. Shafiqul Islam, Khandker Saadat Hossain and Jeong-Woo Choi	Green Synthesized Chitosan Nanoparticles for Controlling Multidrug-Resistant mecA- and blaZ-Positive Staphylococcus aureus and aadA1-Positive Escherichia coli,	<a href="https://doi.org/10.3390/ijms25094746">https://doi.org/10.3390/ijms25094746</a>	4,90	1
BUF:01	International Journal of Physics	Tchouadep Guy Serge, Kpéli Easo-Ehanam Tchadre, Soro Boubacar, Compaore Wendlassida Patrice, Zerbo Issa, Zoungrana Martial	Effect of low energy electrons radiation on the series resistance, shunt resistance and capacitance of an illuminated pv silicon solar cell	<a href="https://doi.org/10.12691/ijp-12-5-1">10.12691/ijp-12-5-1</a>		
AFSIN/ KEN:04	International Journal of Remote Sensing	Cheruiyot, E., Mito, C., & Menenti, M.	A near-linear transect sampling method for validation of SMAP surface soil moisture in non-complex terrains	<a href="https://doi.org/10.1080/01431161.2024.2388866">https://doi.org/10.1080/01431161.2024.2388866</a>	3,00	2
BUF:01	IRA-International Journal of Applied Sciences	Noufou Bagaya, Windé Nongué Daniel Koumbem, Younoussa Moussa Baldé, Sette Diop, Issaka Ouédraogo, Bruno Korgo, Sié Kam	Evaluation of the specific growth rate to predict the biogas production process in a mini-biogas digester	<a href="http://dx.doi.org/10.21013/jas.v19.n2.p3">http://dx.doi.org/10.21013/jas.v19.n2.p3</a>		
BUF:01	IRA-International Journal of Applied Sciences	Ouedraogo Rimnogdo Wilfried, Namoano David, Ilboudo Jacques Marie, Igo Wendsida Serges, Sawadogo Gael Lassina, Ouedraogo Drissa	Modeling heat and mass transfer in laminar forced convection in a vertical channel: influence of inlet fluid temperature	<a href="https://dx.doi.org/10.21013/jas.v19.n4.p1">https://dx.doi.org/10.21013/jas.v19.n4.p1</a>		
MAL:01	Irrigation Science	Coffi Leonce Geoffroy Sossa, Jesse B. Naab, Souleymane Sanogo, Michael Asante, Kevin S. Sambieni, Luc O. Sintondji	Moderate N fertilizer inputs under proper water management enhanced off-season rice production in central Benin, West Africa	<a href="https://doi.org/10.1007/s00271-024-00965-z">doi.org/10.1007/s00271-024-00965-z</a>	3,10	1
ESARSWG	Journal of African Earth Sciences	Godfrey Richard Keraka, Athanas S. Macheyeki, Marco Shaban	Morphostructure, paleostress and kinematics of the southern kilombero rift basin, southern Tanzania	<a href="https://doi.org/10.1016/j.jafrearsci.2024.105189">https://doi.org/10.1016/j.jafrearsci.2024.105189</a>	2,20	1
ESARSWG/ ETH:02	Journal of African Earth Sciences	Ayele, A., Luckett, R., Baptie, B., & Whaler, K.	The 2015 earthquake swarm in the Fentale volcanic complex (FVC): A geohazard risk for Ethiopia's commercial route to the Djibouti port.	<a href="https://doi.org/10.1016/j.jafrearsci.2024.105236">https://doi.org/10.1016/j.jafrearsci.2024.105236</a>	2,20	1
ETH:03	Journal of Applied Electrochemistry	Zihon M, Kassa A, Tigineh GT, Chanie G, Tesfaye D, Gebrezgiabher M, Metto M, Alem MB, Abebe A, Thomas M	Manganese (II) resorcinolate complex: synthesis, characterizations, electrochemical behavior, and antibacterial activities	<a href="https://doi.org/10.1007/s10800-024-02194-w">10.1007/s10800-024-02194-w</a>	2,40	1
AFSIN/ KEN:04	Journal of Applied Spectroscopy	Onkangi, J. N., & Angeyo, H. K.	Exploring Machine-Learning-Enabled Libs Towards Forensic Trace Attributive Analysis of Fission Products in Surrogate High-Level Nuclear Waste.	<a href="https://doi.org/10.1007/s10812-024-01670-7">https://doi.org/10.1007/s10812-024-01670-7</a>	0,80	1
UGA:02	Journal of Atmospheric and Solar Terrestrial Physics	E. Jurua, G. Andima, P. Oleni, E.B. Amabayo	Analysis of the scintillation characteristics on the different satellite links derived from GPS observations and SCINDA data over Mbarara	<a href="https://doi.org/10.1016/j.jastp.2024.106353">https://doi.org/10.1016/j.jastp.2024.106353</a>		
BUF:01	Journal of Chemical, Biological and Physical Sciences	David Namoano, Wilfried Rimnogdo Ouedraogo, Ousmane Ouédraogo, Drissa Ouedraogo, Gaeel Lassina Sawadogo, Abdoulaye Compaoré and Serge Wendsida Igo	Optimizing the thermal envelope of a typical roasting oven in Burkina Faso	<a href="https://doi.org/10.24214/jcbps.C.14.4.30115">10.24214/jcbps.C.14.4.30115</a>		
BAN:04	Journal of Electrical Bioimpedance	Mahjabin Mobarak, K Siddique-e Rabbani	Improving sensitivity in the deep regions of a volume conductor using electrical focused impedance methods	<a href="https://doi.org/10.2478/joeb-2024-0012">10.2478/joeb-2024-0012</a>		1

BAN:04	Journal of Electrical Bioimpedance	Safia Aktar Dipa, Muralee Monohara Pramanik, Mamun Rabbani, Muhammad Abdul Kadir	Effects of temperature on electrical impedance of biological tissues: ex-vivo measurements	10.2478/joeb-2024-0013		1
BAN:04	Journal of Electrical Bioimpedance	Trilochan Khanal, K Siddique-e Rabbani	Sensitivity study of a locally developed six electrode focused impedance method	10.2478/joeb-2024-0005		1
MYA:02	Journal of Energy Storage	Zhuosheng Jiang, Yingying Wang, Hedong Chen, Shengli Zhai, Minzhang Li, Prayoon Songsiriritthigul, Than Zaw Oo, Nyein Wint Lwin, Mono Zaw, Kwun San Hui, Fuming Chen	Flexible fiber-shape Zn-MnO <sub>2</sub> battery for wearable electronic devices	<a href="https://doi.org/10.1016/j.est.2024.113010">https://doi.org/10.1016/j.est.2024.113010</a>	8,90	1
AFSIN	Journal of Fluorescence	Boateng, R., Opoku-Ansah, J., Eghan, M. J., Adueming, P. O. W., & Amuah, C. L. Y.	Identification of Commercial Antimalarial Herbal Drugs Using Laser-Induced Autofluorescence Technique and Multivariate Algorithms	<a href="https://doi.org/10.1007/S10895-023-03309-W/METRICS">https://doi.org/10.1007/S10895-023-03309-W/METRICS</a>	2,60	1
AFSIN	Journal of Fluorescence	Pappoe, J. A., Opoku-Ansah, J., Amuah, C. L. Y., Osei-Wusu Adueming, P., Sackey, S. S., Boateng, R., Addo, J. K., Eghan, M. J., Mensah-Amoah, P., & Anderson, B.	Automatic Classification of Antimalarial Herbal Drugs Exposed to Ultraviolet Radiation from Unexposed Ones Using Laser-Induced Autofluorescence with Chemometric Techniques	<a href="https://doi.org/10.1007/S10895-023-03281-5/METRICS">https://doi.org/10.1007/S10895-023-03281-5/METRICS</a>	2,60	1
RWA:01	Journal of Geoscience & Environment Protection	Frank Rusanganwa, Ling Zhang, Jonah Kazora, Joseph Ndakize Sebaziga, Samuel Ekwacu	Correlation of rainfall anomalies in Rwanda from September to December (SOND) with Indian Ocean Dipole (IOD) and El Nino Southern Oscillation (ENSO) Events	<a href="https://doi.org/10.4236/gep.2024.126008">https://doi.org/10.4236/gep.2024.126008</a>		
BAN:02/2	Journal of Magnetism and Magnetic Materials	Faruque Ahammed, M.N.I. Khan, Muhammad Samir Ullah, M.A.H. Badhan, Redwan N. Sajjad, A.T.M. Kaosar Jamil	Influence of microstructure on the magnetic properties of Li-Cu-Mg-Zn ferrites: Role of Bi <sub>2</sub> O <sub>3</sub> addition	10.1016/j.jmmm.2024.172329	2,50	1
BAN:02/2	Journal of Magnetism and Magnetic Materials	Nazia Khatun, Md. Osman Goni, Md. Saidul Islam, Md. Aftab Ali Shaikh, Syed Farid Uddin Farhad, Md. Al-Mamun, Md. Saiful Alam, Nazmul IslamTanvir, Md. Sajjad Hossain, Trisha Paul, Suravi Islam,	Impact of lanthanum ions on structural, morphological, magnetic, optical and electrical properties of Cobalt-Zinc ferrites	10.1016/j.jmmm.2024.172740	2,50	1
BAN:02/2	Journal of Magnetism and Magnetic Materials	S. Nasrin, F.-U.Z. Choudhury, M.M. Hossain and S. Manjura Hoque	Preparation and analysis of Mn <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles coated with chitosan for use as a heating agent and MRI contrast agent in biomedical applications	10.1016/j.jmmm.2024.171891	2,50	1
BAN:02/2	Journal of Magnetism and Magnetic Materials	T. Paul, M. Ifat-Al-Karim, F. Nahid, M. M. Haque	Structural and optical study of chitosan-graphene oxide composite through hydrothermal route	<a href="https://doi.org/10.1063/5.0231060">https://doi.org/10.1063/5.0231060</a>	2,50	1
NEP:01	Journal of Nepal Physical Society	Neupane, N., Ghimire, R., Gibbs, D. R., Shrestha, S. P., Dhakal, S., Mulmi, D. D., & Joshi, L. P.	Mn Doped ZnO Film for Ethanol Vapor Detection	<a href="https://doi.org/10.3126/jnphysoc.v9i2.62284">https://doi.org/10.3126/jnphysoc.v9i2.62284</a>		
BAN:02/2 BAN:05	Journal of Physical Chemistry C	Md. Rafatul Haq Nusaibah Ehsan Sadiq Shahriyar NishatQuazi Shafayat Hossain, M. N. I. Khan, Muhammad Shahriar Bashar Umme Sarmeen AkhtarFariha Chowdhury Sharmin Jahan Khandker Saadat Hossain Md. Mosaddek Khan Sazzad M. S. Imra nImtiaz Ahmed	Comprehensive first-principles modeling of experimentally synthesized BiPO <sub>4</sub> polymorphs	10.1021/acs.jpcc.3c08104	3,30	1
ETH:01	Journal of Physical Chemistry C	Eninges Asmare, Nika Bekri, Leonato Tambua Nchinda, Fekadu G. Hone, Wendimagegn Mammo, Tjaart P. J. Krüger, and Newayemedhin A. Tegegne	Conformation-dictated aggregation photophysics in Isoindigo	<a href="https://doi.org/10.1021/acs.jpcc.4c04825">https://doi.org/10.1021/acs.jpcc.4c04825</a>	3,30	1

ETH:01	Journal of Physics A: Mathematical and Theoretical	Tola, D. W., & Bekele, M.	Nonequilibrium phase transitions in a 2D ferromagnetic spins with effective interactions	10.1088/1751-8121/ad72bd	2,00	1
NEP:01	Journal of Physics D: Applied Physics	OS Rijal, HK Neupane, D Oli, RK Neupane, P Shrestha, S Sharma, LP Joshi, R Parajuli	A first-principles investigation of the structural, mechanical, dynamic, electronic, magnetic and optical properties of Ti <sub>2</sub> AC (A= Cd, S) MAX phase compounds	10.1088/1361-6463/ada808	3,10	1
ETH:01	Journal of Physics: Condensed Matter	Adane, M., Tatek, Y. B., & Tilahun, M.	Transport of a comb-like polymer across a nanochannel subject to a pulling force	10.1088/1361-648X/ad7e70	2,30	1
ETH:01	Journal of Physics: Condensed Matter	Mahmud, M., Bassie, Y., & Bekele, M.	Non-equilibrium thermodynamics in NMR: understanding quadrupolar spin-1 systems	10.1088/1361-648X/ad7ac2	2,30	1
BAN:02/2	Journal of Rare Earths	I. Sardar, M.D. Hossain, M.S. Sikder, M.N.I. Khan, M.R. Rahman	Enhancement of coercivity, permeability, and dielectric properties of Co <sub>0.2</sub> Zn <sub>0.3</sub> Ni <sub>0.5</sub> EuxFe <sub>2-x</sub> O <sub>4</sub> ferrites for memory and high frequency devices	<a href="https://doi.org/10.1016/j.jrre.2023.05.010">https://doi.org/10.1016/j.jrre.2023.05.010</a>	5,20	1
BAN:02/2	Journal of Science and Technology Research	Manir, M.S., Islam, M.R., Al Mamun, M., Rahman, M.M., Mortuza, M.F. and Alam, A.K.M.M.	Synthesis of gamma irradiated cobalt oxide nanoparticles for visible light-induced photocatalytic degradation of methylene blue dye	10.3329/jscitr.v6i1.77390		
AFSIN	Journal of Solar Energy and Sustainable Development	Isiaka Alani, Milohum Mikesokpo Dzagli, Damgou Mani Kongnine, Satyanarayana Narra, Zipporah Asiedu	Biomethane and green hydrogen production potential from municipal solid waste in Cape Coast, Ghana	<a href="https://doi.org/10.51646/jsesd.v13i2.204">https://doi.org/10.51646/jsesd.v13i2.204</a>		
BAN:02/2	Journal of Solid State Chemistry	Nazmus Sakib, Farzana Nahid, S.F.U. Farhad, Nazia Khatun, Sayed Syful Islam, Md Ali Rayhan, Md Deloar Hossain, Md Nur Amin Bitu, S. Manjura Hoque, Md Al-Mamun	Effects of nickel substitution on structural, magnetic and optical properties of Sillenite bismuth ferrite nanoparticles	10.1016/j.jssc.2024.125045	3,20	1
AFSIN	Journal of Spectroscopy	Donkor, S. O., Sackey, S. S., Kwame Vowotor, M., Lloyd, C., Amuah, Y., Boateng, R., Tatchie, E. T., Opoku-Ansah, J., & Osei-Wusu Adueming, P.	Analysis of Colorfastness in Metallic Prints Using Absorption Spectroscopy	<a href="https://doi.org/10.1155/JSPE/2632412">https://doi.org/10.1155/JSPE/2632412</a>	1,70	1
ESARSWG	Journal of Structural Geology	Malcolm McMillan, Samuel C. Boone, Patrick Chindandali, Barry Kohn, Andrew Gleadow	4D fault evolution revealed by footwall exhumation modelling: A natural experiment in the Malawi Rift	<a href="https://doi.org/10.1016/j.jsg.2024.105196">https://doi.org/10.1016/j.jsg.2024.105196</a>	2,60	2
AFSIN	Journal of the European Optical Society-Rapid Publications	Moise Deroh, Gang Xu, Erwan Lucas, Jean-Charles Beugnot, Hervé Maillotte, Thibaut Sylvestre, Bertrand Kibler	Towards 2- $\mu$ m comb light source based on multiple four-wave mixing in a dual-frequency Brillouin fiber laser	<a href="https://doi.org/10.1051/jeos/2024017">https://doi.org/10.1051/jeos/2024017</a>	1,90	1
ESARSWG	Journal of the Geological Society of India	Athanas S. Macheyeke	Present-day fault kinematics and their reactivation likelihood within and south of the north tanzania Divergence (NTD), East African Rift System: implication for geo-hazards assessment	<a href="https://doi.org/10.17491/jgsi/2024/172989">https://doi.org/10.17491/jgsi/2024/172989</a>	1,20	1
NEP:01	Journal of the Taiwan Institute of Chemical Engineers	Pawan Kumar Mishra, Khem Raj Shrestha, Hari Bhakta Oli, Timila Shrestha, Leela Pradhan Joshi, Ram Lal (Swagat) Shrestha, Deval Prasad Bhattarai	High performance porous activated carbon derived from Acacia catechu bark as nanoarchitectonics material for supercapacitor applications	<a href="https://doi.org/10.1016/j.jtice.2024.105761">https://doi.org/10.1016/j.jtice.2024.105761</a>	5,50	1

LAO:01	Lao Journal of Science and Technology	I Bounmany, S Xayheungsy, S Sompaserth, S Singsupho, T Xuansuandao	Groundwater Investigation using electrical resistivity tomography (ERT) in the concession area of sino-agri Potash Company, Khammouane Province			
LAO:01	Lao Journal of Science and Technology	I Bounmany, S Xayheungsy, S Sompaserth, S Singsupho, T Xuansuandao	Application of 2D-Electrical resistivity tomography technique for coal structure investigation at Sangthong District, Vientiane Capital, Lao PDR			
MYA:01	Mandalay Technological University Research Journal	Chaw Su Myint	Identification of type of radioisotopes from thorium decay series events in nuclear emulsion			
BAN:02/2	Materials Advances	M. Farzana Alam, M. Atikur Rahman, Md. Sarowar Hossain, M. N. I. Khan, R. Rashid, M. Saiful Islam, William Ghann, M. K. Alam*and Jamal Uddin	Synthesis and magneto-dielectric properties of Ti-doped Ni <sub>0.5</sub> Zn <sub>0.5</sub> Ti <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> ferrite via a conventional sol-gel process	10.1039/D4MA00529E	5,20	1
BAN:02/2	Materials Advances	M. S. Islam, K. R. Chowdhury, S. Manjura Hoque and A. Sharif	Cationic and oxygen defect modulation for tailoring the bandgap and room temperature ferromagnetism of CuO via multiple d-block cations	10.1039/d3ma00987d	5,20	1
BUF:01	Materials Sciences and Applications	Ouedraogo, B, Compaore, A, Derra, M, Palm, K. and Bahiebo, D	Improvement of mechanical qualities of clay material through coconut fiber stabilization	10.4236/msa.2024.157014		
BAN:02/2	Micro & Nano Letters	Rabiul Awal, Md. Al-Mamun, Nasrin Jewena, Jahirul Islam Khandaker, Nilufer Yesmin Tanisa, Shamim Ahmed, Fahim Shahriar, Md. Mahbulul Haque	Upcycling prawn shells: Chitosan-carbon nanotube nanocomposites with boosted magnetic and electrical properties	10.1049/mna2.12197	1,50	1
ETH:03	Microchemical Journal	Metto M, Tesfaye A, Atlabachew M, Abebe A.	Synthesis, characterization, and electrochemical application of novel poly(Cu <sub>2</sub> P <sub>4</sub> BCl <sub>4</sub> ) based glassy carbon electrodes for determination of sulfamethoxazole in pharmaceutical serum and urine samples and Cow's milk	10.1016/j.microc.2024.110627	4,90	1
ETH:01	Modelling and Simulation in Materials Science and Engineering	Bruh, T. B., & Tatek, Y. B	A Monte Carlo study on a 3-dimensional comb polymer translocation through a nanopore driven by an electric field	10.1088/1361-651X/ad8c71	1,90	1
BAN:02/2	Mongolian Journal of Chemistry	Mishra, P., Aryal, S., Oli, H., Shrestha, T., Al Mamun, M., Shrestha, R.L.S. and Bhattarai, D.	Enhanced energy storage: electrochemical performance of ZnCl <sub>2</sub> -activated carbon derived from Acacia catechu Bark	10.5564/mjc.v25i52.3501		
AFSIN	MRS Advances	Sidiki Zongo, Tongonmanegde Leonard Ouedraogo, Sié Zacharie Kam, Moussa Sougoti, Tizane Daho, Balla Diop Ngom, Malik Maaza, Jean Kouliati & Antoine Béré	Saffron extract-mediated synthesis of Cu(OH) <sub>2</sub> nanocomposite: Structural and photocatalytic activity investigation	10.1557/s43580-023-00744-6	0,80	1
BAN:02/2	MRS Advances	Tanbhir Hasan, M. N. I. Khan, R. Rashid, M. K. Alam & Md. Mahfuz Alam	Structural, electrical, and magnetic properties of gadolinium doped Ba <sub>0.997</sub> La <sub>0.003</sub> Ti <sub>1-x</sub> GdxO <sub>3</sub> perovskite ceramics	10.1557/s43580-024-01088-5	0,80	1
BAN:02/2	Nanotechnology	Syed Farid Uddin Farhad, Nazmul Islam Tanvir, Md Nur Amin Bitu, Elius Hossain, Md Al Mamun, Md Saiful	Conformal zinc sulfide coating of vertically aligned ZnO nanorods by two-step hydrothermal synthesis on wide bandgap seed layers for lead-free perovskite solar cells	DOI 10.1088/1361-6528/ad544a	2,90	1

		Quddus, Md Shaha Alam, Mohammad Moniruzzaman, Pardhasaradhi Nandigana and Subhendu K Panda				
ESARSWG	Natural Hazards Research	B. Manzunzu, V. Midzi, B. Zulu, T. Mulabisana, T. Pule, M. Sethobya, N. Mankayi	Site response analysis for estimation of seismic site amplification in the city of Durban (South Africa)	<a href="https://doi.org/10.1016/j.nhres.2024.11.002">https://doi.org/10.1016/j.nhres.2024.11.002</a>		
UGA:01/MSSEESA	OAJRC Material Science	Ireeta, W. T., Bwayo, E., Mukiibi, D., Okello, D., Okullo, W., & Lugolole, R.	Optical Constants of Nanofilms for Spectrally Selective Windows	<a href="https://doi.org/10.26855/oajrcms.2024.03.001">https://doi.org/10.26855/oajrcms.2024.03.001</a>		
AFSIN	Open Journal of Applied Sciences	Serge Martial Adepo, Jocelyne Mamaket Bosson, Guy-Oscar Regnima, Sylvere Bienvenue Dion, Thomas Koffi, Michel Kouacou Abaka, Thouakesseh Jérémie Zoueu	Structured laser illumination planar imaging (slipi): separating the absorption and scattering coefficients using kubelka-munk relationship	<a href="https://doi.org/10.4236/ojapps.2024.1412225">https://doi.org/10.4236/ojapps.2024.1412225</a>		
BUF:01	Open Journal of Applied Sciences	Boubacar Soro, Guy Serge Tchouadep, Esso-Ehanam Tchadre Kpeli, Ousmane Souliga, Adama Quedraogo, Issa Zerbo, Martial Zoungrana	Investigating the impact of base heating and external electric field on pv cell performance under intense illumination	<a href="https://doi.org/10.4236/ojapps.2024.145085">10.4236/ojapps.2024.145085</a>		
AFSIN	Open Journal of Biophysics	Pavel Yale, Jean Michel Edoukoua Konin, Michel Abaka Kouacou	Human Eosinophil Cell Manipulation by Optical Tweezers	<a href="https://doi.org/10.4236/ojbiphy.2024.143012">https://doi.org/10.4236/ojbiphy.2024.143012</a>		
AFSIN	Optics Letters	Anastasiia Sheveleva, Moise Deroh, Bertrand Kibler, Christophe Finot, Erwan Lucas	Phase shaping of dual-pumped Brillouin–Kerr frequency combs	<a href="https://doi.org/10.1364/OL.5222008">https://doi.org/10.1364/OL.5222008</a>	3,10	2
AFSIN	Philosophical Transactions of the Royal Society B	Mikkel Brydegaard, Ronniel D. Pedales, Vivian Feng, Assoumou saint-doria Yamo, Benoit Kouakou, Hampus Månefjord, Lorenz Wühl, Christian Pylatiuk, Dalton de Souza Amorim and Rudolf Meier	Towards global insect biomonitoring with frugal methods	<a href="https://doi.org/10.1098/rstb.2023.0103">https://doi.org/10.1098/rstb.2023.0103</a>	5,30	2
NEP:01	Physica Scripta	Dinesh Kumar Chaudhary, Surya Kumari Joshi, Rajesh Shrestha	A highly sensitive and selective ZnO-based ammonia sensor: Fe-doping effect	<a href="https://doi.org/10.1088/1402-4896/ad8788">10.1088/1402-4896/ad8788</a>	2,60	1
NEP:01	Physica Scripta	DR Lawati, P Shrestha, S Sharma, LP Joshi, R Parajuli	A DFT study of the physical properties of novel vanadium-based half-Heusler alloys VYAl (Y= Ni, Pd, and Pt) pertinent to their optoelectronics application	<a href="https://doi.org/10.1088/1402-4896/ad591c">10.1088/1402-4896/ad591c</a>	2,60	1
TAN: 01/2/MSSEESA	Physica Scripta	Benard S Mwankemwa, Lwitiko P Mwakyusa	On the properties of ZnO nanorods (ZnO NRs)/NiO heterostructure prepared by double chemical bath deposition	<a href="https://doi.org/10.1088/1402-4896/ad63d8">DOI 10.1088/1402-4896/ad63d8</a>	2,60	1
TAN: 01/2/MSSEESA	Physica Status Solidi B- Basic Solid State Physics	Hezekiah B. Sawa, Melike Babucci, Jan Keller, Charlotte Platzer Bjorkman, Nuru R. Mlyuka, Margaret E. Samiji	Effects of Al <sub>2</sub> O <sub>3</sub> Rear Interface Passivation on the Performance of Bifacial Kesterite-Based Solar Cells with Fluorine-Doped Tin Dioxide Back Contact	<a href="https://doi.org/10.1002/psb.202400080">https://doi.org/10.1002/psb.202400080</a>	1,50	1
AFSIN	Physical Review B	M. Sougoti, F. Le Marrec, S. Beauvils, J. Olivier, P. Bourges, B. Toudic and C. Ecolivet	Phase diagram and deuteration contribution to the phonon analysis of the normal-to-incommensurate phase transition of 4-4' dichlorobiphenyl sulfone determined using Raman and neutron scattering	<a href="https://doi.org/10.1103/PhysRevB.110.024103">https://doi.org/10.1103/PhysRevB.110.024103</a>	3,20	2

BUF:01	Physical Science International Journal	Boubacar, Soro, Tchouadep Guy Serge, Sourabie Idrissa, Kpeli Esso-Ehanam Tchadre, Son Souleymane, Zerbo Issa, and Zoungrana Martial	Impact of External Electric Field on the Performance Parameters of PV Solar Cells under High Light Concentration	10.9734/psij/2024/v28i4843		
BUF:01	Physical Science International Journal	Boukaré OUEDRAOGO, Azara OUEDRAOGO, Moumouni DERRA, Moumouni HEBIE, Kalifa PALM and Dieudonné Joseph BAHIEBO	Development and Preliminary Analysis of a Solar Dryer for Flour Dehydration	<a href="https://doi.org/10.9734/psij/2024/v28i6864">https://doi.org/10.9734/psij/2024/v28i6864</a>		
BUF:01	Physical Science International Journal	Ouédraogo Rimnogdo Wilfried, Igo Wendsida Serge, Ouédraogo Ousmane and Compaoré Abdoulaye	Modeling Heat and Mass Transfer in Laminar Forced Convection in a Vertical Channel: Influence of Reynolds Number	<a href="https://doi.org/10.9734/psij/2024/v28i5847">https://doi.org/10.9734/psij/2024/v28i5847</a>		
ETH:01	Plasmonics	Alemayehu G. Waketola, Newayemedhin A. Tegegne, and Fekadu G. Hone	Recent Progress in Silver and Gold Nanoparticle-Based Plasmonic Organic Solar Cells	<a href="https://doi.org/10.1007/s11468-024-02430-1">https://doi.org/10.1007/s11468-024-02430-1</a>	3,30	1
ETH:01	Plasmonics	Mulat, S. A., Hone, F. G., Bekri, N., & Tegegne, N. A.	Improving the Light Harvest of Plasmonic Based Organic Solar Cells by Utilizing Dielectric Core–Shells	<a href="https://doi.org/10.1007/s11468-024-02597-7">https://doi.org/10.1007/s11468-024-02597-7</a>	3,30	1
ETH:03	Polyhedron	Dinber B, Kidanemariam, Hilawea T, Yihune E, Chanie G, Metto M, Bittew M, Tigineh GT, Abebe A.	New Brønsted–Lowry acid Co(II) complexes: Synthesis, characterization, and investigation of electrochemical application for sensing of salbutamol	10.1016/j.poly.2024.117248	2,40	1
KEN:01/2	Polymers	Legerstee, W. J., Kiriinya, L., Kwakernaak, M., & Kelder, E. M.	Magnesium Transfer between Atomic Force Microscopy Probes and Metal Electrodes in Aqueous Alginate Electrolytes	<a href="https://doi.org/10.3390/polym16121615">https://doi.org/10.3390/polym16121615</a>	4,70	1
BAN:02/2	Radiation Physics and Chemistry	Shah Azharul Islam, Md Kamruzzaman, Md Raghob Rahat, Shahadat Hossain, H.A. Abdul-Rashid, Mayeen Uddin Khandaker, D.A. Bradley, Md Al-Mamun, A.K.M. Mizanur Rahman	LiZnBO3 phosphor for dosimetry applications	<a href="https://doi.org/10.1016/j.radphyschem.2024.111596">https://doi.org/10.1016/j.radphyschem.2024.111596</a>	2,80	1
AFSIN	RAMReS Sciences des Structures et de la Matière	Bagui K. Olivier, Kouakou K. Constant, Yebouet A. Florence, Kouacou Abaka, J. T. Zoueu	Cassava vascular bacteriosis detection using spectral measurement of color leaf			
AFSIN	RAMReS Sciences des Structures et de la Matière	Serge M. Adepo, Jocelyne M. Bosson, Sylvere B. Dion, Kouakou Y. Adjoumani, Kossan O. Bagui, Guy-O. Regnima, Thouakessah J. Zoueu	Évaluation du vieillissement de quatre huiles végétales utilisées en friture par la méthode d'illumination structurée (SLIPI-1p)	<a href="https://doi.org/10.70974/mat08224069">https://doi.org/10.70974/mat08224069</a>		
AFSIN/ KEN:04	Results in Chemistry	Mwenzé, N. M., Birech, Z., Juma, M., Morad, R., Cloete, K. J., Ondieki, A., ... & Maaza, M.	Electronic and vibrational spectroscopic study complemented with the computational evaluation of hydroxychloroquine mixed with silver nanoparticles	<a href="https://doi.org/10.1016/j.rchem.2024.101711">https://doi.org/10.1016/j.rchem.2024.101711</a>	2,50	1
NEP:01	Results in Surfaces and Interfaces	D Oli, OS Rijal, RK Neupane, P Shrestha, S Sharma, LP Joshi, R Parajuli	Study of adsorption behavior of HCN and H2S molecules over undoped and Al-doped zinc oxide monolayer: A DFT approach	<a href="https://doi.org/10.1016/j.rsurfi.2025.100439">https://doi.org/10.1016/j.rsurfi.2025.100439</a>		
AFSIN	Romanian Journal of Biophysics	ES ADEWI, K SESIME, AD HOUNSI, KJB AMEWOTEPE, KA DONKATA, MM DZAGLI, MA MOHOU	Recent advances in eco-friendly synthesis and characterization of zinc oxide nanoparticles from ecological sources for biomedical and photovoltaic applications	<a href="https://www.doi.org/10.59277/RJB.2024.4.01">https://www.doi.org/10.59277/RJB.2024.4.01</a>		
BAN:02/2	RSC Advances	M. N. Jahan, M. A. Alam, M. M. Rahman, S. Manjura Hoque and H. Ahmad	Mesoporous Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> /poly(2-carboxyethylacrylate) composite polymer particles for pH-responsive loading and targeted release of bioactive molecules	10.1039/D4RA03160A	3,90	1

BAN:02/2	RSC Advances	M.R. Islam, M.K.R. Khan, M. S. Hossain, M.M. Rahman, M.M. Haque, M. Aliuzzaman, M.K. Alamand, M.S.I. Sarker	Structural, thermodynamic and magnetic properties of SrFe <sub>12</sub> O <sub>19</sub> hexaferrite modified by co-substitution of Cu and Gd	10.1039/d3ra08878b	3,90	1
LAO:01	Scientific Journal of National University of Laos	S Singsoupho, S Sompaseth, T Luangphaiboun, K Mounphoumy, T Suansaundao, S Xaysombath	Estimation of Aquifer Layer from Resistivity and Seismic Refraction Techniques	<a href="https://doi.org/10.71026/sj.2024.02018">https://doi.org/10.71026/sj.2024.02018</a>		
AFSIN/KEN:04	Scientific Reports	Juma, M. W., Birech, Z., Mwenze, N. M., Ondieki, A. M., Maaza, M., & Mokhotjwa, S. D.	Localized surface plasmon resonance sensing of Trenbolone acetate dopant using silver nanoparticles	<a href="https://doi.org/10.1038/s41598-024-56456-w">https://doi.org/10.1038/s41598-024-56456-w</a>	3,80	1
ETH:03	Sensing Biosensing Research	Biresaw M, Kassa A, Tigineh GT, Abebe A.	Application of novel oligomeric Co (II) complexes of 4,4'-bipyridine and 1,10-phenanthroline modified glassy carbon electrode for differential pulse voltammetric determination of ciprofloxacin	10.1016/j.sbsr.2024.100721		1
NEP:01	Sensors and Actuators A: Physical	Chaudhary, D. K., Acharya, T. R., Shrestha, R., Gautam, S., Shrestha, P., Dhakal, A., ... & Joshi, L. P	Wide-range ethanol sensor based on a spray-deposited nanostructured ZnO and Sn-doped ZnO films.	<a href="https://doi.org/10.1016/j.sna.2024.115213">https://doi.org/10.1016/j.sna.2024.115213</a>		1
BUF:01	Smart Grid and Renewable Energy	Amadou Konfe, Boureima Kabore, Yves Christian Nonguierma, Fatimata Ouedraogo, Sié Kam	Numerical Assessment of the Thermal Efficiency of a Concentrated Photovoltaic/Thermal (CPV/T) Hybrid System Using Air as Heat Transfer Fluid	10.4236/sgre.2024.151001		0
BUF:01	Smart Grid and Renewable Energy	Arouna Kaboré, Boukaré Ouédraogo, Sayouba Sandwidi, Vincent Zoma, Hermann Kaboré, Kalifa Palm	Experimental Study of the Thermal Behavior of a Bioclimatic Building Prototype in a Sahelian Zone	10.4236/sgre.2024.158011		0
BUF:01	Smart Grid and Renewable Energy	Boukaré Ouedraogo, Adama Ouedraogo, Arouna Kabore, Kalifa Palm, Dieudonné Joseph Bahiebo	Performance Evaluation of Solar Chimney Draft: Application to Ventilation	10.4236/sgre.2024.154007		0
BUF:01	Smart Grid and Renewable Energy	Prince Abdoul Aziz Honadia, Bernard Zouma, Adama Ouédraogo, Fabé Idrissa Barro	Experimental Study of a Quadratic Boost: The Cascaded Connected Single Switch	<a href="https://doi.org/10.4236/sgre.2024.156009">https://doi.org/10.4236/sgre.2024.156009</a>		0
BUF:01	Solar Energy	Thierry Sikoudouin Maurice Ky, Brice André Zoungrana, Drissa Boro, Boureima Dianda, Salifu Ouédraogo, Adama Ouédraogo, Sié Kam, Dieudonné Joseph Bathiébo	Conception, realization and testing of a solar cooker built with a spherical reflector in Burkina Faso	<a href="https://doi.org/10.1016/j.solenr.2024.112497">https://doi.org/10.1016/j.solenr.2024.112497</a>	6,00	2
TAN:01/2 MSSEESA	Solar Energy Materials and Solar Cells	Hezekiah B. Sawa, Melike Babucci, Olivier Donzel-Gargand, Patrick Pearson, Adam Hultqvist, Jan Keller, Charlotte Platzer Bjorkman, Margaret E. Samiji, Nuru R. Mlyuka	Enhanced performance of Cu <sub>2</sub> ZnSnS <sub>4</sub> based bifacial solar cells with FTO and W/FTO back contacts through absorber air annealing and Na incorporation	10.1016/j.solmat.2023.112605	6,30	2
BAN:02/2	Solid State Chemistry	N.Sakib, F. Nahid, S.F.U. Farhad, N.Khatun, S.S. Islam, M.A. Rayhan, M.D. Hossain, M.N.A. Bitu, S. Manjura Hoque, M.Al Mamun	Effect of nickel substitution on structural, magnetic and optical properties of sillenite bismuth ferrite nanoparticle	<a href="https://doi.org/10.1016/j.jssc.2024.125045">https://doi.org/10.1016/j.jssc.2024.125045</a>		
BAN:02/2	Solid State Communications	I.N. Esha, A. Hossain, M.N.I. Khan, Kazi Haniem Maria	Arguments on the estimation of V ion distribution at various sites contributing to saturation magnetization in Mn-Zn ferrites	<a href="https://doi.org/10.1016/j.jssc.2024.115514">https://doi.org/10.1016/j.jssc.2024.115514</a>	2,10	1
ETH:03	Space Weather	A. Nigussie, A. Tebabal, and R. Galas	Modeling Ionospheric TEC Using Gradient Boosting Based and Stacking Machine Learning Techniques	10.1029/2023SW003821		1

BAN:02/2	Surfaces and Interfaces	M.D. Hossain, M.A. Hossain, Md. Sarowar Hossain, M.N.I. Khan, S.S. Sikder	Sintering temperature dependent characterization of Ni nano ferrite with the optimization of frequency dependent properties	10.1016/j.surfin.2024.104952	5,70	1
TAN:01/2 MSSEESA	Tanzania Journal of Engineering & Technology	Delvina Japhet Tarimo, Nuru Ramadhani Mlyuka, Margaret E Samiji	Enhanced post deposition annealing conditions on the fabrication of high quality thermochromic vanadium dioxide films.	<a href="https://doi.org/10.52339/tjet.v43i1.988">https://doi.org/10.52339/tjet.v43i1.988</a>		
TAN:01/2 MSSEESA	Tanzania Journal of Engineering & Technology	Haji F Haji, Nuru R Mlyuka, Margaret E Samiji	Effect of Zr and W Doping on Microstructures, Transition Temperature and Solar Transmittance Modulation of Thermochromic W/Zr Co-Doped VO <sub>2</sub> Thin Films	<a href="https://doi.org/10.52339/tjet.v43i1.986">https://doi.org/10.52339/tjet.v43i1.986</a>		
TAN:01/2 MSSEESA	Tanzania Journal of Science	Emmanuel R Ollotu, Justine Nyarige, Margaret E Samiji, Nuru R Mlyuka, Mmantsae Diale	Exploring Dependence of Rapid Thermal Annealed Ag/ITO Bilayer Films Properties on the Systematic Ag Layer Thickness Increment for Bifacial CZTS Solar Cell Application	<a href="https://doi.org/10.4314/tjs.v50i4.14">https://doi.org/10.4314/tjs.v50i4.14</a>		
TAN:01/2 MSSEESA	Tanzania Journal of Science	Gwaydi, J.S., Sawa, H.B., Rwenyagila, E.R., Komba, N.R., Kibona, T.E., Mlyuka, N.R., Samiji, M.E. and Mwakyusa, L.P.	Influence of Stacking Order on the Structural and Optical Properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> Absorber Layer Prepared from DC-Sputtered Oxygenated Precursors	<a href="https://doi.org/10.4314/tjs.v50i1.9">https://doi.org/10.4314/tjs.v50i1.9</a>		
TAN:01/2 MSSEESA	Tanzania Journal of Science	Margaret E Samiji, Nuru R Mlyuka	Design, Fabrication and Performance Evaluation of Parabolic and Enhanced Solar Box Cookers in Isimani, Tanzania	<a href="https://doi.org/10.4314/tjs.v50i3.19">https://doi.org/10.4314/tjs.v50i3.19</a>		
TAN:01/2 MSSEESA	Tanzania Journal of Science	Nuru R Mlyuka	Stability of Thermochromic Vanadium Dioxide Thin Films in Harsh Environments of Temperature and Humidity	<a href="https://doi.org/10.4314/tjs.v50i2.18">https://doi.org/10.4314/tjs.v50i2.18</a>		
ESARSWG	Tectonophysics	Edward Pastory, Gabriel D. Mulibo, Isaac M. Marobhe	Subsurface basement structures of the Usangu basin, East African rift system, with implications for basin structural configuration and hydrocarbon potential	<a href="https://doi.org/10.1016/j.tecto.2024.230544">https://doi.org/10.1016/j.tecto.2024.230544</a>	2,70	1
BAN:05	Textile & Leather Review	Sadit Bihongo Malitha, Dewan Md. Mahmudunnabi, Mahjabin Rahman Ria, Khandker Saadat Hossain, Md. Abu Sayid Mia and Md. Zahangir Alam	Removal of Commercial Textile Dye DRMD from Wastewater Using Two-Dimensional Mesoporous Graphene Oxide Adsorbent	10.31881/TLR.2024.039		1
RWA:01	Theoretical and Applied Climatology	Joseph Ndakize Sebaziga, Bonfils Safari, Joshua Ndiwa Ngaina, Didier	Spatial variability of seasonal rainfall onset, cessation, length and rainy days in Rwanda	<a href="https://doi.org/10.1007/s00704-024-05086-3">https://doi.org/10.1007/s00704-024-05086-3</a>	2,80	1
TAN:01/2 MSSEESA	Thin Solid Films	Hezekiah B. Sawa, Melike Babucci, Jan Keller, Charlotte Platzer Bjorkman, Margaret E. Samiji, Nuru R. Mlyuka	Toward improving the performance of Cu <sub>2</sub> ZnSnS <sub>4</sub> -based solar cells with Zr, W or sulfurized layers at the SnO <sub>2</sub> : F/Cu <sub>2</sub> ZnSnS <sub>4</sub> rear interface	<a href="https://doi.org/10.1016/j.tsf.2024.140276">https://doi.org/10.1016/j.tsf.2024.140276</a>	2,00	1
BAN:05	Toxics	Md. Shahriar Hossain Shuvo, Rupna Akther Putul, Khandker Saadat Hossain, Shah Md. Masum and Md. Ashraful Islam Molla	Photocatalytic Removal of Metronidazole Antibiotics from Water Using Novel Ag-N-SnO <sub>2</sub> Nanohybrid Material	<a href="https://doi.org/10.3390/toxics12010036">https://doi.org/10.3390/toxics12010036</a>	3,90	1
BAN:05	Water Air Soil Pollut	Md. Nur-E-Alam, Shamim Ahmed Deowan, Esrafl Hossain, Khandker Saadat Hossain, Muhammed Yusuf Miah and Mohammad Nurnabi	Fabrication of Polysulfone-Based Microfiltration Membranes and Their Performance Analysis	<a href="https://doi.org/10.1007/s11270-023-06872-x">https://doi.org/10.1007/s11270-023-06872-x</a>	3,80	1
MYA:02	West Yangon University Research Journal	Aye Thuzar Oo, Saw Lin Oo, Myat Myat Htun, Thet Thet Swe	Phase analysis and antibacterial response of Akermanite Ceramics			

MYA:02	West Yangon University Research Journal	Hnin Hayman Nyein, Kyi Pyar Min Lwin, May Thinkyan Myint, Swe Zin Thant, Aye Thuzar Oo, Yin Mg Mg, Saw Lin Oo	Impact of annealing temperature on the structural and optical properties of copper iodide particles.			
MYA:02	West Yangon University Research Journal	Hnin Wut Yi, Nang Moon Laung, Mi Yin Sa Nine, Ye Chan	Parameter optimization for laser-induced graphene on polyimide using raman spectroscopy and conductivity analysis			
MYA:02	West Yangon University Research Journal	May Thinkyan Myint, Kyi Pyar Min Lwin, Swe Zin Thant, Hnin Hayman Nyein, Aye Thuzar Oo, Yin Mg Mg, Than Zaw Oo, Saw Lin Oo	Biocompatibility evaluation and structural enhancement of potassium doped graphitic carbon nitride			
BUF:01	World Journal of Advanced Research and Reviews	Moctar Ousmane, Thierry Sikoudouin Maurice KY, B. Magloire Pakouzou, Amadou konfé, Germain Wende Poiré Ouedraogo, Salifou Ouédraogo, Boureima Kaboré, Dianda Boureima, KAM Sié and Dieudonné Joseph Bathiébo	Comparative study of the thermal performances of a solar tower	<a href="https://doi.org/10.30574/wjarr.2024.21.1.0001">https://doi.org/10.30574/wjarr.2024.21.1.0001</a>		

#### 2.5.4 Conference proceedings

Conference proceedings reported by chemistry groups (IPICS) and networks are given first, followed by those reported for physics (IPPS). There were no conference proceedings reported for mathematics (IPMS) in 2024.

ISP programme	Group/Network	Conference Name	Location	Date	Author(s)	Title	Pages	DOI
IPICS	BUF: 01	24èmes Journées Scientifiques Annuelles de la SOACHIM	Yamoussoukro - Côte d'Ivoire	2024-08-12	Ouédraogo, J.C.W, Henoumont, C., Semay, I., Kini, F.B., Laurent, S., Gerbaux, P., & Coulibaly, Y. L. B.	Isolement et analyse structurale d'un flavonoïde des feuilles de <i>Odontonema strictum</i>		
IPICS	BUF: 01	24èmes Journées Scientifiques Annuelles de la SOACHIM	Yamoussoukro - Côte d'Ivoire	2024-08-12	Sankara, A., Ouédraogo, J. C. W., Bonzi, S., Thévenon, M.F., & Coulibaly, Y. L. B.	Analyse phytochimique et activité antioxydante du résidu d'hydrodistillation de <i>Cymbopogon nardus</i>		
IPICS	ANRAP	International Forum on Toxicology and Pharmacology (TOXIFORUM) (virtual)	Munich, Germany	2024-04-11	Begum Rokeya	Chemical and Biological Assessment of Some Antidiabetic Herbal Medicines Available in Bangladesh		
IPICS	ANRAP	BCSIR Congress-2024	Dhaka, Bangladesh	2024-03-08 - 10	Tusher MMH, Asrafuzzaman M, Faruquee FA, Gaffer A M, Chowdhury C T, Matur M R, Rokeya B	Elucidation of the antioxidant and antidiabetic activities of <i>Rhus chinensis</i> and <i>Cinnamomum tamala</i> on GLUT4 gene expression in nSTZ-induced diabetic rats		

IPICS	ANRAP	BCSIR Congress-2024	Dhaka, Bangladesh	2024-03-08 - 10	Lubaba M I, Tusher MMH, Rifat TM, Paromi I N, Mohamad N, Rokeya B	Elucidation of antioxidant, antidiabetic and anti-dyslipidemic effects of Punica granatum leaves ethanolic extract on type 2 diabetic model rats with dyslipidemia		
IPICS	ANRAP	BCSIR Congress-2024	Dhaka, Bangladesh	2024-03-08 - 10	Faruquee FA, Tusher MMH, Asrafuzzaman M, Rokeya B	Identification of antioxidant and antidiabetic activities of Zingiber officinale (rhizome) ethanolic (50%) extract on n-STZ induced type 2 diabetic model rats		
IPICS	BOL:01	2 Congreso Colombiano de Bioacústica y Ecoacústica	Medellín, Colombia	2024-11-18	Carlos F. Pinto	Importancia de las señales vibracionales en el comportamiento de membrácidos (Membracidae: Hemiptera) de bosques nublados de Bolivia		
IPICS	BUF:01	24èmes Journées Scientifiques Annuelles de la SOACHIM	Yamoussoukro - Côte d'Ivoire	2024-08-12	Ouédraogo, J.C.W, Henoumont, C., Semay, I., Kini, F.B., Laurent, S., Gerbaux, P., & Coulibaly, Y. L. B.	Isolement et analyse structurale d'un flavonoïde des feuilles de Odontonema strictum		
IPICS	BUF:01	24èmes Journées Scientifiques Annuelles de la SOACHIM	Yamoussoukro - Côte d'Ivoire	2024-08-12	Sankara, A., Ouédraogo, J. C. W., Bonzi, S., Thévenon, M.F., & Coulibaly, Y. L. B.	Analyse phytochimique et activité antioxydante du résidu d'hydrodistillation de Cymbopogon nardus		
IPPS	MAL:01	37th conference of the American Meteorological Society (AMS)	Baltimore, Maryland, USA	2024-01-28--02-01	Souleymane Sanogo, Marlon Maranan, Andreas H Fink, Beth J Woodhams, Peter Knippertz	Dynamics and Model Representation of Two Contrasting Extreme Precipitation Events in the Sahel	846	
IPPS	AFSIN	24th International Conference on Transparent Optical Networks (ICTON) 2024	Bari, Italy	2024-07-14	Anastasiia Sheveleva, Moise Deroh, Bertrand Kibler, Christophe Finot, Erwan Lucas	Optical Waveform Sculpturing of a Frequency Kerr Comb from a Brillouin Laser Cavity with Bichromatic Pumping	1-4	<a href="https://doi.org/10.1109/ICTON62926.2024.10647532">https://doi.org/10.1109/ICTON62926.2024.10647532</a>
IPPS	AFSIN	49th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz)	Perth, Australia	2024-09-01	Patrick Mounaix, I Betka, F Fauquet, ME Ojo, C Fourcade-Dutin, D Bigourd, M Deroh, M Chauvet, H Maillotte	Broadband Terahertz generation in the sub-picosecond regime via polariton parametric scattering in a LiNbO3 Waveguide	1-2	10.1109/IRMMW-THz60956.2024.10697612
IPPS	MAL:01	6th Congress West African Physical Society	Niamey, Niger	2024-12-09--12	Issa BAGAYOGO, Souleymane SANOGO, Amoro COULIBALY	L'Évaluation du potentiel solaire photovoltaïque des bâtis pour l'électrification des zones rurales hors du réseau national au Mali	CO-A3-60	
IPPS	MAL:01	6th Congress West African Physical Society	Niamey, Niger	2024-12-09--12	Siaka KODIO, Souleymane SANOGO, Boureima S TRAORE, Issiaka TRAORE	Analyse des options d'expansion et d'intensification des sites d'irrigation localisés à Bamako et environnant	CO-A3-44	
IPPS	BAN:04	6th International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT)	Dhaka, Bangladesh	02-05-2024	Chitra Roy, Md Sohag Ali, Md Tushar Abdullah, Md Ibrahim Al Imran, Muhammad Abdul Kadir	Enhancement of Sensitivity in Electrical Bioimpedance Measurements Using Contrast Agents	254-259	10.1109/ICEEICT62016.2024.10534408
IPPS	NEP:01	ANPA Conference 2024	Fayetteville State University, North Carolina, USA and	2024-07-19--21	D Oli, RK Neupane, OS Rijal, P Shrestha, S Sharma, LP Joshi, R Parajuli	First Principles Study of Undoped and Halogen Doped ZnO Monolayer	1-20	<a href="https://doi.org/10.3126/jnphysoc.v10i1.72826">https://doi.org/10.3126/jnphysoc.v10i1.72826</a>

			Tribhuvan University, Kathmandu, Nepal					
IPPS	AFSIN	Congrès Général de la Société Française d'Optique- Optique Normandie 2024, COLOQ	Rouen, France	2024- 07-01	Ilyes Betka, Moïse Deroh, Moses E Ojo, Frederic Fauquet, Coralie Fourcade- Dutin, Hervé Maillotte, Patrick Mounaix, Mathieu Chauvet, Damien Bigourd	THz radiation generation from polariton parametric scattering in a LiNbO3 waveguide	1-2	<a href="https://hal.science/hal-04660959">https://hal.science/hal-04660959</a>
IPPS	AFSIN	Congrès Général de la Société Française d'Optique- Optique Normandie 2024, COLOQ	Rouen, France	2024- 07-01	Anastasiia Sheveleva, Koffi Moïse Deroh, Bertrand Kibler, Christophe Finot, Erwan Lucas	Façonnage de la phase spectrale d'un peigne Kerr de fréquences issu d'une cavité laser Brillouin avec pompage bichromatique	1-2	<a href="https://hal.science/hal-04638354/">https://hal.science/hal-04638354/</a>
IPPS	NEP:01	IEEE 34th Australasian Universities Power Engineering Conference (AUPEC)	Sydney, Australia	2024- 11-20-- 22	B. Ghimire, S. Sharma, A. Andreotti, P. Daponte, K. N. Poudyal, N. Ravichandran	Ground Flash Density Mapping in Nepal: Enhancing Lightning Performance and Resilience of Distribution Lines	1-6	10.1109/AUPEC62273. 2024.10807528
IPPS	MYA:02	Institute of Physics, Vietnam	Hanoi, Vietnam	2024- 10	Kaung Kyaw Naing, Ye Chan	Electrospung Nanofibrous Graphene Oxide Based Hybrid Materials for Supercapacitor Applications		
IPPS	MYA:02	Institute of Physics, Vietnam	Hanoi, Vietnam	2024- 10	Ye Chan, Hnin Wut Yi, Nann Mong Longe, Haymar Aung Kyaw, Pho Kaung	Impact of Laser Parameters on the Formation and Functionality of Laser Induced Graphene		
IPPS	KEN:01/2	Proceedings of South East Conference of the IEEE Radio International Conference	Atlanta, GA, USA	2024- 03-15-- 24	Shaffa K. Kokro; Elijah Mwangi; George Kamucha	Histogram Matching and Fusion for Effective Low-Light Image Enhancement		10.1109/SoutheastCon 52093.2024.10500161
IPPS	RWA:01	Proceedings of the IAU General Assembly	Cape Town, South Africa	2024- 08-06-- 15	Väisänen, Petri; Mahoro, Antoine; van Rensburg, Petro Janse; Mogotsi, Moses	Connection of AGN and starbursts in a sample of LIRGs	2731	

## 2.5.5 Scientific books and book chapters

Scientific books and book chapters reported by supported groups and networks.

IPICS = Chemistry, IPPS = Physics, IPMS = Mathematics.

ISP programme	Group/Network	Author(s)	Book title	Editor(s)	Chapter title	DOI
IPPS	ETH:01	Seyfan Kelil Shukri and Lemi Demeyu	Advances in Semiconductor Physics, Devices and Quantum Dots - Nanotechnology and Future Challenges	Jean-Luc Autran, Tingting Yin and Daniela Munteanu	Effects of Localization Length and Spatial Disorder on a Charge Carrier Mobility in Organic Disordered Semiconductors	10.5772/intechopen.1004036
IPPS	ZAM:01/MSSEESA	Prem Jain, Rekha Rajan, Steven Mudenda, Francis Musonda, Sylvester Hatwaambo, & Bellington Changwe	Solar Photovoltaic Systems: Fundamentals, Design, Installation			
IPPS	ESARSWG	Athanas Simon Macheyeke, Dalaly Peter Kafumu	The East African Rift System: Geodynamics and Natural Resource Potentials	Elsevier		<a href="https://doi.org/10.1016/C2021-0-03299-5">https://doi.org/10.1016/C2021-0-03299-5</a>
IPICS	ANCAP	Christine Kyarimpa, Tom Omute, Caroline K. Nakiguli, Alice V. Khanakwa, Christopher Angiro, Ivan Kahwa, Fortunate Ahumuza & Timothy Omara	Algae as a Natural Solution for Challenges in Water-Food-Energy Nexus	Kurniawan, T.A., Anouzla, A.	Safety, Toxicological and Allergenic Aspects of Using Algae for Food	<a href="https://doi.org/10.1007/978-981-97-2371-3_25">https://doi.org/10.1007/978-981-97-2371-3_25</a>
IPICS	ANEC	Ismaila Diédhiou, Sabrine Baachaoui, Modou Fall, Nouredine Raouafi	Recent Trends and Perspectives on Electrochemical Sensors for Environmental Monitoring	Sibel A. Ozkan	Electrochemical sensing technologies for wastewater monitoring	<a href="https://doi.org/10.1016/B978-0-443-13388-6.00003-6">https://doi.org/10.1016/B978-0-443-13388-6.00003-6</a>
IPICS	ANEC	Amadou Belal Gueye, Modou Fall, Sabou Thomas	Nanostructured Materials for Lithium/Sulfur Batteries. Engineering Materials	A.B. Gueye, S. Thomas	Bio-Based Polymers and Composites: Properties, Durability, and Applications	<a href="https://doi.org/10.1016/B978-0-443-13338-1.00007-1">https://doi.org/10.1016/B978-0-443-13338-1.00007-1</a>
IPICS	ANEC	Amadou Belal Gueye, Ditty Dixon, Modou Fall, Oumarou Savadogo, Sabu Thomas	Nanostructured Materials Engineering and Characterization for Battery Applications	Amadou Belal Gueye, Hanna J. Maria, Nandakumar Kalarikkal, Modou Fall, Arul Manuel Stephan, Sbu Thomas	Electrochemical energy storage technologies: state of the art, case studies, challenges, and opportunities	<a href="https://doi.org/10.1016/B978-0-323-91304-1.00013-7">https://doi.org/10.1016/B978-0-323-91304-1.00013-7</a>
IPMS	BURK:01	M. S. Ali, A. T. Banaou, and M. Hassirou;	Nonlinear Analysis, Geometry and Applications	Seck, D., Kangni, K., Sambou, M.S., Nang, P., Fall, M.M.	Complex Structure on Pseudo-Riemannian Poisson Manifolds	<a href="https://doi.org/10.1007/978-3-031-52681-7_11">https://doi.org/10.1007/978-3-031-52681-7_11</a>

## 2.5.6 Popular publications and technical reports

Popular publications and technical reports reported by supported groups and networks.

IPICS = Chemistry, IPPS = Physics. No popular books reported for IPMS = Mathematic.

ISP programme	Group/Network	Author	Title	Publication venue	Bibliographic specification
IPPS	MAL:01	Souleymane Sanogo	Manuel de l'apprenant Installation solaire photovoltaïque		n/a
IPPS	ZIM:01	Mervyn Gumbo	Report on geophysical borehole surveys in Matebeleland north district	Amalima Loko	n/a
IPICS	ZAM:02	James Nyirenda, Mutinta Chipuwa	An ethnobotanical study of herbs and medicinal plants used in Western, Copperbelt, Central and Northern provinces of Zambia	Phytomedicine Plus	<a href="https://doi.org/10.1016/j.phyplu.2023.100514">https://doi.org/10.1016/j.phyplu.2023.100514</a>

## 2.6 Conference contributions

### 2.6.1 International conference contributions

**Table 11.** Number of poster and oral contributions to international scientific meetings in the listed countries 2024, by scientists in ISP supported groups and networks.

Country	Region	Chemistry		Mathematics		Physics		Total		Grand total
		Oral	Poster	Oral	Poster	Oral	Poster	Oral	Poster	
Burkina Faso	Africa	0	0			5	0	5	0	5
Cameroon	Africa	2	0			0	0	2	0	2
Congo Kinshasa	Africa	1	0			0	0	1	0	1
Egypt	Africa	3	0			1	0	4	0	4
Ethiopia	Africa	2	0			0	0	2	0	2
Ivory Coast	Africa	3	0			10	4	13	4	17
Kenya	Africa	2	0			1	0	3	0	3
Ghana	Africa	0	0			2	2	2	2	4
Mali	Africa	0	0			2	0	2	0	2
Morocco	Africa	1	0			0	0	1	0	1
Rwanda	Africa	1	0			0	0	1	0	1
Senegal	Africa	10	2			0	0	10	2	12
South Africa	Africa	1	2			1	3	2	5	7
Tanzania	Africa	0	0			5	0	5	0	5
Togo	Africa	0	0			9	2	9	2	11
Uganda	Africa	0	1			0	0	0	1	1
<b>Total</b>	<b>Africa</b>	<b>26</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>11</b>	<b>62</b>	<b>16</b>	<b>78</b>
Bangladesh	Asia	4	0			53	27	57	27	84
China	Asia	2	0			2	0	4	0	4
Laos	Asia	2				0	0	2	0	2
Nepal	Asia					0	2	0	2	2
Thailand	Asia		1			0	0	0	1	1
Vietnam	Asia					4	0	4	0	4
<b>Total</b>	<b>Asia</b>	<b>8</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>29</b>	<b>67</b>	<b>30</b>	<b>97</b>
Germany	Europe	1				1	0	2	0	2
Italy	Europe					1	2	1	2	3
Switzerland	Europe					1	0	1	0	1
Turkey	Europe	2	1			1	0	3	1	4
United Kingdom	Europe	1				6	0	7	0	7
<b>Total</b>	<b>Europe</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>14</b>	<b>3</b>	<b>17</b>
USA	North America	1				1	1	2	1	3
<b>Total</b>	<b>North America</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>
Colombia	Latin America	1	0	0	0	0	0	1	0	1
Ecuador	Latin America	2				0	0	2	0	2
<b>Total</b>	<b>Latin America</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Australia	Oceania					1	0	1	0	1
<b>Total</b>	<b>Oceania</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>All countries</b>		<b>42</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>107</b>	<b>43</b>	<b>149</b>	<b>50</b>	<b>199</b>

Chemistry (IPICS), mathematics (IPMS) and physics (IPPS) contributions to international conferences listed country-wise.

ISP programme	Group / Network	Country	Organiser	Author(s)	Title of the presentation	Oral/ Poster	Name of event	Start date	End date (if more than 1 day)
IPPS	NEP:01	Australia	University of Queensland, Brisbane	B. Ghimire, S. Sharma, A. Andreotti, P. Daponte, K. N. Poudyal, N. Ravichandran	Ground Flash Density Mapping in Nepal: Enhancing Lightning Performance and Resilience of Distribution Lines	Oral	IEEE 34th Australasian Universities Power Engineering Conference (AUPEC)	2024-11-20	2024-11-22
IPPS	BAN:04	Bangladesh	Military Institute of Science and Technology	Chitra Roy, Md Sohag Ali, Md Tushar Abdullah, Md Ibrahim Al Imran, Muhammad Abdul Kadir	Enhancement of Sensitivity in Electrical Bioimpedance Measurements Using Contrast Agents	Poster	6th International Conference on Electrical Engineering and Information & Communication Technology (ICEEICT)	2024-05-02	2024-05-04
IPPS	BAN:04	Bangladesh	International Islamic University Chittagong	Md. Tushar Abdullah, Chitra Roy, Md Ibrahim Al Imran, Muhammad Abdul Kadir	Exploring Age-Related Changes in Bioimpedance across Diverse Biological Samples	Oral	4th International Conference on Innovations in Science, Engineering and Technology (ICISSET)	2024-10-26	2024-10-27
IPPS	BAN:02/2	Bangladesh	Bangladesh Council of Scientific and Industrial Research (BCSIR)	Mohammad Nazrul Islam Khan	Nanotechnology: Perspective and research scope	Oral - Invited	BCSIR Congress	2024-03-08	2024-03-10
IPPS	BAN:02/2	Bangladesh	BCSIR	S. Manjura Hoque	Exceedingly small polymer-oxide nanohybride as TOF 3D magnetic resonance angiography contrast agent	Oral - Invited	BCSIR Congress	2024-03-08	2024-03-10
IPICS	ANRAP	Bangladesh	Dhaka Nanomaterials group	Begum Rokeya	Phytochemical Study and Evaluation of the Antidiabetic Activity of Different Extracts from some Edible Plants in Rodent Model of Diabetes	Oral	COMSTECH - University of Jordan, Training workshop	2024-03-12	2024-03-14
IPPS	BAN:02/2	Bangladesh	International Conference on Electronics and Informatics 2024	Sheikh Manjura Hoque	Nanohybrides with Extremely Small dimensions in the Range of 5 to 15 nm as Contrast Agents for MR Angiography	Oral - Invited	International Conference on Electronics and Informatics 2024	2024-12-28	2024-12-29
IPPS	BAN:05	Bangladesh	D:o	Shanjida B. Yousuf, F. T. Z. Toma, and K. Saadat Hossain	Influence of Evaporation Temperature on Structural and Optical Properties of Iron Oxide	Poster	D:o	2024-12-28	2024-12-29

					Nanoparticles Synthesized via Chemical Bath Deposition Method for Industrial and Biomedical Application					
IPPS	BAN:05	Bangladesh	D:o	Tamanna Subrin Tawma, F. T. Z. Toma, and Khandker Saadat Hossain	Optimizing Titanium Dioxide Thin Films via Chemical Bath Deposition: Effects of Tellurium Doping and Deposition Temperature for Sustainable Application	Poster	D:o	2024-12-28	2024-12-29	
IPPS	BAN:02/2	Bangladesh	Bangladesh Physical Society	F. J. Antee, R. Rahman, A. Anwar, I. N. Esha, S. Manjura Hoque, M. N. I. Khan, M. S. Bashar, K. H. Maria	Modifying the Multiferroic Characteristics of Composites Consisting of (1-x) Ba <sub>0.6</sub> Sr <sub>0.4</sub> Cr <sub>0.6</sub> Ti <sub>0.4</sub> O <sub>3</sub> + (x)CoFe <sub>1.8</sub> La <sub>0.2</sub> O <sub>4</sub> Prepared via the Double Sintering Ceramic Method	Oral	International Conference on Physics 2024	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	F. Khanam, M.A. Taher, A. Ahad, R. Rashid	Investigating Structural and Dielectric Properties of Cobalt Doped Bismuth Europium Manganese Ferrites	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	F. Khanam, M.A. Taher, A. Ahad, R. Rashid, A. Kumar, M.R. Hasan, T. Ahmed, J. H. Bhuiyan, M.K. Alam, M.N.I. Khan	Investigating Structural and Dielectric Properties of Cobalt Doped Bismuth Europium Manganese Ferrites	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	I. Hossain, S.S. Rashid, M.M. Islam, R. Rashid, M.R. Hossain, H. M. Waliullah, M.M. Rana and M.N.I. Khan	Development, Properties and Investigation of Ultra-Fine CoFe <sub>2</sub> O <sub>4</sub> Nano Crystals Prepared by Modified Sol-Gel Route	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	J. H. Bhuiyan, A. Ahad, M.A. Taher, R. Rashid, A. Kumar, M. R. Hassan, M. S. Hossain, T. Ahamed, F. Khanam, M.N.I. Khan	Investigating Structural, Optical, and Magnetic Properties of Chromium-doped Lanthanum Cerium Bismuth Ferrite	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	J.H. BhuiyN, a. Ahad, M.A. Taher, R. Rashid, A. Kumar, M.R. Hassan, M. Sarwar Hossain, T. Ahmed, F. Khanam, M.N.I. Khan	Investigating Structural, Optical and Magnetic Properties of Cobalt Doped Bismuth Euroium Manganese Ferrite	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	M. Al-Amin, M. H. Ullah, M. K. Alam, M. J.Rahman M.N.I. Khan	Mechanical and Thermal Properties of Reduced Graphene Oxide Reinforced Polypropylene/Banana Midrib Fibre Nanocomposites	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	M. Begum, R. Khan, S.M.M. Al Mamunand S. M. Hossain	Radiation Hazard Indices Assessment for Core Samples of Rashidpur and Koilastila Gas Filds of Bangladesh	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	M. N. Uddin, S. Alam, H. Das	Synthesis and Optimization of Cubic Shaped Magnetite Nanoparticles by One-Step Ultrasound Irradiation Process	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	M. ohiduzzaman, M.N.I. Khan, K.A. Khan, B. Paul	Crytallographic Insights: Synthesis of Silver Nanoparticles using Banana Pulp Extract and Nanoscale Characterization Techniques	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	M. R. Haq, N. Ehsan, S. S Nishat, Q. S. Hossain, M. N. I. Khan, M. S Bashar, U. S. Akhtar, F.	Comprehensive First-Principles Modeling of Experimentally Synthesized BiPO <sub>4</sub> Polymorphs	Oral	D:o	2024-05-09	2024-05-11	

				Chowdhury, S. Jahan, K. S. Hossain, M. M. Khan, S. M. S. Imran, and I. Ahmed					
IPPS	BAN:02/2	Bangladesh	D:o	M. R. Islam, S. K. Sen, A. Kumar, M. S. Manir	Annealing Temperature Variation on Structural and Optical Properties of CuO Nanoparticles Green Synthesized using Mussaenda frondosa Leaves	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M. R. Islam, S.K. Sen, A. Kumar, M.S. Monir, P. Pas	Green Synthesis of Zinc Oxide (ZnO) Nanoparticles using Syngonium Leaves and its Characterizations	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M. Rokonozzaman, N. Banik, M.A. Haque, M.K.Alam, K. Nandi, S. Ahmed, N.Begum, M.M.I. Khan R. Rashi	Synthesis and Characterization of Hydroxyapatite-Iron oxide nanocomposites using Ocimum sanctum leaf extract by hydrothermal method	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M. Z. Hasan, M. M. Hossain, M. A. Ali, N. I. Khan and M. M. Uddin	Efficient MXenes Photocatalysts for The Organic Dye Degradation Under UV and Solar Light Synthesized by Etching Technique	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.A. Gafur, M.N.I. Khan, M.A. Hossain and S.S. Sikde	Zinc ferrite-enhanced magnetic resonance angiography in Rat model	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.A. Islam, M.N.I. Khan, R. Rashid M.R. Hasan and M.M. Alam	Study the Properties of Zinc Doped Manganese Ferrite	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.A. Islam, M.N.I. Khan, R.Rashid, M.R. Hasan and M.M. Alam	Study of Gadolinium Effect of Cobalt and Zinc-Doped Manganese Ferrite	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.A.G. Osman, F. Chowdhury, H.N. Das, K. H. Maria	Hydrothermal Synthesis of Fe-Doped Tin Disulfide Nanoparticles for Highly Efficient Visible Light Photocatalysis	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.D. Hossain, M.A. Hossain, M.N.I. Khan, S.S. Sikde	Optimizing the Sintering Temperature Effect of Ni Nano Ferrite for High Frequency Applications	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.D. Hossain, M.A. Hossain, M.N.I. Khan, S.S. Sikder,	Finding the Best Performance of 3d Transition Metal (Mn, Co and Ni) Substituted Nano Ferrites for High Frequency Applications	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.F. Alam, M.A. Rahman, I.A. Khan, R. Rashid, and M.K. Alam	Varid Impact of Titanium Doping on Ni-Zn ferrite Nanoparticles: Evaluating Structural, Electrical, Optical and Magnetic Properties	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.H. Rahman, M.N.I. Khan, R. Rashid, A. Kumar, H.N. Das, M.M. Alam	Effect of Rare Earth Element to Enhance the Magnetic Properties of Ferrite	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.H. Rahman, M. N. I. Khan, R. Rashid, A. Kumar, H. N. Das, M. K. Alam and M. M. Alam	Effect of Rare Earth Element to Enhance the Magnetic Properties of Ferrite	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.J. Hosen, M. Sharmin, J. Podder and H.N. Das	Study of structural, surface morphological, optical and electrical properties of Sol-gel deposited MnO <sub>2</sub> /NiO thin films	Poster	D:o	2024-05-09	2024-05-11

IPPS	BAN:02/2	Bangladesh	D:o	M.N. Rahman, M.A. Hossain, M.T.A. Sourav, S.K. Shil, S.S. Sikder, and M.N.I. Khan	Fabrication of Cobalt-Substituted Manganese Nano-ferrite via Chemical Co-precipitation Methodology for Prospective Biomedical Implementations	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.S. Al-Rafi, M.S.S. Das, M. N. I. Khan, D. Islam, U.S. Hossain, A. Hossain	Mineralogical and elemental Studies of Rock samples Collected from Bisnakandi of Sylhet	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.S. Sakib, S. Sultana, M. N. Rahman, S. K. Shil, S.S. Sikder, M.N.I. Khan and M.A. Hossain	Exploring Thermo-Sensitive Dielectric and Magnetic Respones in Co-Ni Nano-ferrite	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	M.W. Sadik, R. Jannat, M.A. Hossain, S.S. Sikder and M.N.I. Khan	Influence of Au on structural dielectric and magnetic properties of Co based nano ferrite prepared Co precipitation Method	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	Ohiduzzaman, M. N. I. Khan, K. A. Khan	Garlic Extract Mediated Biosynthesis of Silver Nanoparticles: Characterizations, Antibacterial Activity, and Bioelectricity Generation	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	P. Roy, K. Nahar, M.A. Hossain, S.S. Sikder and M.N.I. Khan	Sintering effect on dielectric and magnetic properties of La doped Cu-Zn ferrites prepared by Solid State Reaction Technique	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	R. S. Auntu, M. M. A. Khan, S. K. Shil, S. S. Sikder, M.N.I. Khan, R. Rashid	Study of Magnetic Properties of Solid State Method Synthesized $Ni_{0.65}Cu_{0.15}Zn_{0.20}Fe_{1.96}Cr_{0.04}O_4$ Ferrites and Optimization of Sintering Temperature	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. Gazi, S.H. Munna, M.A. Hossain, M.S. Sikder, S.S. Sikder and M.N.I. Khan	Impact of Sintering temperature on Ni-Mg nano ferrites prepared by Chemical co-precipitation method	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. Hossain, M. Al Mamun, S. Yesmin and A.K.M.M. Rahman	Smart Phone Glass Screen Protector: A Fortuitous Solution to Measure Radiation Doses in Case of Nuclear or Radiological Accident	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. Hossain, T.I. Protik and M.G. Sazid	Potential Risk of Faking Microscopic Images in the Characterization of nanomaterials Through Artificial Intelligence	Poster	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. K. Joshi, R. P. Dhakal, R. Adhikari	Investigation of Castor Oil as a Base Stock for Green Lubricant	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. S. Sarna, S. Alam, H. Das	A Comprehensive Study on the Synthesis and Characterization of Spherical Silver Nanoparticles via Ultrasonic Irradiation	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. Saroar, S. Sultana, S. S. Nishat, Q. S. Hossain, M. N. I. Khan, D. Islam, U. S. Akhtar, M. S. Bashar, S. Jahan, K. S. Hossain, and I. Ahmed	Ab initio Density Functional Perspectives on Experimentally Synthesized $\gamma$ - $Bi_2MoO_6$	Oral	D:o	2024-05-09	2024-05-11
IPPS	BAN:02/2	Bangladesh	D:o	S. Sourav, S. Alam and H. Das	Ultra-Fast Microwave Irradiated Synthesis of Zinc Oxide Nanorods and Estimation of Their	Poster	D:o	2024-05-09	2024-05-11

					Structural, Morphological and Optical Properties					
IPPS	BAN:02/2	Bangladesh	D:o	S.H. T. Zim, K.A. Rahman, M.A. Hossain, M.S. Sikder M.N.I. Khan and M.A. Hossain	Structural dielectric and magnetic properties of Ag-Mg nanocomposites at different sintering temperature	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	S.H.T. Zim, K.A. Rahman, M.A. Hossain, M.S. Sikder, S.S. Sikder and M.N.I. Khan	Structural, dielectric and magnetic properties of Ag-Mg nanocomposites at different sintering temperature	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:02/2	Bangladesh	D:o	S.S. Rashid, M.M. Islam, I. Hossain, M.R. Hasan, R. Rashid, H. M. Waliullah, M. Rana and M.N.I. Khan	Synthesis And Characterization of Nickel Ferrite Nanoparticles Sintered in Different Temperatures by Sol gel Auto Combustion Method	Poster	D:o	2024-05-09	2024-05-11	
IPPS	BAN:04	Bangladesh	D:o	K Siddique-e Rabbani	Pulsed Electro Magnetic Field (PEMF) - The Medicine of the Future	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:04	Bangladesh	D:o	Md. Mahi Uddin, Manish Debnath, Hasan Mehdi, Md. Shohag Mia, Md. Nahid Hossain, Shahadat Hossain and Muhammad Abdul Kadir	Investigation of Radionuclides Induced within Vault Room Shielding Exposed to Neutron Radiation during F-18 Production via Cyclotron	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:04	Bangladesh	D:o	Md. Sohag Ali, Muttakee Bin Ali, Chitra Roy, Md. Ibrahim Al Imran, Muhammad Abdul Kadir	Pulsed Electromagnetic Field Induced Changes in Electrical Properties of Biological Tissues	Oral	D:o	2024-05-09	2024-05-11	
IPPS	BAN:05	Bangladesh	D:o	Antara R. Chakraborty, Shanjida B. Yousuf, F. T. Z. Toma, K. Alam, K. Saadat Hossain	Effect of Annealing Temperature on the Properties of Iron Oxide Nanoparticles Synthesized via Chemical Co-Precipitation Method	Poster	D:o	2024-05-09	2024-05-11	
IPICS	ANFEC (Bangladesh)	Bangladesh	Islamic Organization for Food Security	Mohammad Shoeb	Food Safety Regulations, Risk Assessment, Foodborne Diseases and Technology Innovations in Food Safety in Bangladesh	Invited lecture	International Food Safety Day	2024-06-07		
IPICS	ANRAP	Bangladesh	International Forum on Toxicology and Pharmacology (TOXIFORUM) (virtual)	Begum Rokeya	Chemical and Biological Assessment of Some Antidiabetic Herbal Medicines Available in Bangladesh	Oral	International Forum on Toxicology and Pharmacology (TOXIFORUM) (virtual)	2024-04-11		
IPPS	BAN:02/2	Bangladesh	Informatics Society (BEIS)	A Comprehensive Study on the synthesis and Characterization of Spherical Silver Nanoparticles via Ultrasonic Irradiation	S.S. Sarna, S. Alam, R. Rashid, A. Kumer, M.N.I. Khan, and h.N.Das	Oral	International Conference on Electronics and Informatics 2024	2024-12-28	2024-12-29	
IPPS	BAN:02/2	Bangladesh	BEIS	A Hystological Study on the Effects of Synthesized HAP on the Eruption of Rat Incisors	A. Kumar, M.A. Kayes, H.N. Das, M.M. Haque and S. Manjura Hoque	Oral	D:o	2024-12-28	2024-12-29	
IPPS	BAN:02/2	Bangladesh	BEIS	Biosynthesis of Silver Nanoparticles from Fig Extract: Structural Analysis, Antibacterial Properties and Bioelectricity Generation	M. Afroz, R. Bhuiyan A.K.A. Ullah, F. Eshan, M.N. Uddin, S. Alam, R. Rashid, A. Kumer, M.N.I. Khan, M.N.I. Khan, and H.N. Das	Oral	D:o	2024-12-28	2024-12-29	

IPPS	BAN:02/2	Bangladesh	BEIS	Enhanced Structural, Optical and Gas-Sensing Properties of Nanocrystalline Mn-zn ferrite Thin films Synthesized via chemical Bath Deposition	R. Zim, N. Anjum S.A. Chowdhury, S. Akter. D.K. Chaudhury, S.E. Hoque and S. Manjura Hoque	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Exploring Dysprosium Doped Lithium Strontium Borate Based Phosphor for dosimetry Application	F.S. Siddique, K.G. Sinha, S.I. Safin, S. Hossain, A.K.M. Rahman and M. Al-Mamun	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Exploring the Effects of Mn Doping on the Structural and Thermoluminescent properties of LiF	M. Rifat-Ul-Islam, M. Faruque, A.K.M.m. Rahman, M. Al-Mamun and M. Kamruzzaman	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Improvement of Structural and Optical characteristics by Cr doping in Zn-Al ( $Zn_{1-x}Cr_xFe_{1.8-x}O_4$ spinel Ferrites)	R. Zim, N. Anjum S.A. Chowdhury, S. Akter. D.K. Chaudhury, S.E. Hoque and S. Manjura Hoque	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Influence of Ti-substitution on Structural and Optical Properties Properties of Mn-N-Zn Ferrite by Solid State Reacton Method	M.A Hossain, H.K. Rouf, M.K. Alam, R. Rashid, and M.N.I. Khan	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Investigation of the development of Structural and Thermoluminescent properties of LiF by Ti-Cu Doping for Dosimetric Application	M. Faruque, M. Rifat-Ul-Islam, A.K.M.m. Rahman, M. Al-Mamun and M. Kamruzzaman	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	M. Afroz, A.K.M. Ullah, R. Sultana, F. Ehasan, H.N. Das, R. Rashid, t. Faruque, K.M.A. Hossain	Optical and Magnetic Properties of Fe-Doped ZnO Nanoparticles Synthesized by co-precipitation Method	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	M.M.R. Bhuiya, B.Neher, H.N. Das, A. Kumar, M.K. Alam. M.N.I. Khan, and R.Rashid	Environmental risk Assessment and source Identification of Trace Elements in the Lower Meghna Esturine Sediment: A Case Study Around Hatiya Island	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	M.M.U. Anik, S. Akter and S. Manjura Haque	Holmium Doping in Bismuth Ferrite: A Comprehensive Characterization properties Analysis Synthesis by sol-gel Auto Combination	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	One-Step Ultrasound-Assisted Synthesis and Optimization of cubic Magnetic Nanoparticle	M.N. Uddin, S. Alam, R. Rashid, A. Kumer, M.N.I. Khan, and h.N.Das	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Properties Investigation of Mo-substituted Ni-Zn ferrites usng Solid-State synthesesis Techniques	M. Hossain, J.U. Ahmed, R. Rashid, A. Kumar, M.K. Alam and M.N.I. Khan	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	S. Kundu, M.M.R. Bhuiya, B.Neher, H.N. Das, A. Kumar, M.K. Alam. M.N.I. Khan, and R.Rashid	Modifying the Multifunctional Properties of Zn-Mg ferrite through Silver Dopng: Structural, Optical and Magnetic Insights	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	S.Sourav, S. Alam, A. Kumar, M.N.I. Khan and H.N. das	Super Quick Microwave Irradiation: An Unconventional Method Growing ZnO Nanorods	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Structural and Magnetic properties of $(La_{1-x}Dy_x)_{0.65}Ba_{0.35}MnO$	M.A. Haque, M.A.S. Akanda, R. Rashid	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Structural and Magnetic Properties of $Mn_{0.3}Ni_{0.4}LaxFe_{(2-x)}O_4$ Spinel Ferrites	M.N.I. Khan, M.R. Hasan, R. Rashid and A.T.M.K. Jamil	Oral	D:o	2024-12-28	2024-12-29

IPPS	BAN:02/2	Bangladesh	BEIS	Structural and Morphological properties of BLGSZT ceramics	A.H. Zulkarnine, S.M.T. Farhan, P. Chakraborty, M. R. Hasan, R. Rashid, M.K. Alam, A.A. Momin	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Structural, Morphological and Optical Characteristics of Mn-doped Co3O4 Thin Film Electrodes for Energy Storage Devices: An Experimental and theoretical Approach	M.I. Sumon, J. Podder, S.Fu. Farhad and h.N. Das	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Study of Geometrical Frustration in Mfe2O4 (M=Co, Mn, Ni, Zn)	A. Nushrat, M.M.R. Bhuiyan, r. Rashid and M.N.I. Khan	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Synthesis and Characterization of Multifunctional Properties of Bi0.90Ho0.10FeO3	U.Muktum, S. Akter, and S. Manjura Hoque	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Synthesis and Characterization of Structural and Electrical Properties of Mn Doped Barium Titanate Ceramic	M.R. Hasan, R. Rashid and M.N.I. Khan,	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Synthesis and characterization of Zn1-xNixFe2O4 Ferrite Thin Films By Pyrolysis Deposition Technique	R. Zim, N. Anjum S.A. Chowdhury, S. Akter. D.K. chaudhury, S.E. Hoque and S. Manjura Hoque	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Synthesis and chracterization of MgFe2-xCrO4 Nanoparticles to develop Hgh Quality Bulk Ferrites	S.S. Hoque, S. Manjura Hoque, F. Gulshan	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Synthesis and Structural Characteractics Elucidation of Sr-doped Ba1-xSrxTi1.92Co.08O3 Perovskite	A.R. Bhuiyan, H.A. Hossain, M.K. Rouf, M.K. Alam, R. Rashis, and M.N.I. Khan	Oral	D:o	2024-12-28	2024-12-29
IPPS	BAN:02/2	Bangladesh	BEIS	Synthesis of Mn-doped ZnO Nanoparticles using Coprecipitation Method: Structural, Optical and Magnetic properties	M. Afroz, R. Bhuiyan A.K.A. Ullah, F. Eshan, M.N. Uddin, S. Alam, R. Rashid, T. Faruque, A. Kumer, M.N.I. Khan, M.N.I. Khan, and H.N. Das, K.A. Khan	Oral	D:o	2024-12-28	2024-12-29
IPICS	ANFEC	Bangladesh	UNICEF	Mohammad Shoeb	Scaling Impact of Large-Scale Food Fortification for Prevention of Micronutrient Deficiencies in Children and Women in South Asia	Panel Discussion	Nourishing South Asia Conference	2024-10-23	2024-10-25
IPPS	BUF:01	Burkina Faso	IEEE Burkina Faso	Adrien SANEMBAYE, D. Joseph BATHIEBO	Étude de la Convection mixte dans une enceinte fermée en 3D	Oral	IEEE Multi-Conference on Natural and Engineering Sciences for Sahel's Sustainable Development	2024-11-28	2024-11-30
IPPS	BUF:01	Burkina Faso	D:o	Mahamadi SAVADOGO, Kpéli Esso-Ehanam TCHEDRE, Idrissa SOURABIE, Abdul-Aziz ZONGO, Abdoulaye SAWADOGO, Issa ZERBO, Martial ZOUNGRANA	Modelling a water-based concentrated photovoltaic- thermal (CPVT) hybrid collector: analysis of the influence of mass flow rate on temperature and photovoltaic performance	Oral	D:o	2024-11-28	2024-11-30
IPPS	BUF:01	Burkina Faso	D:o	Mamoudou SARIA, Martial Zoungrana, and Issa Zerbo	Étude à 3D des influences de l'intensité d'un champ électromagnétique incliné sur le courant et la tension d'une cellule PV au silicium polycristallin	Oral	D:o	2024-11-28	2024-11-30

IPPS	BUF:01	Burkina Faso	D:o	Raogo Jean Fulbert 2ème Jumeau KABORE; Ky Thierry Sikoudouin Maurice	Les systèmes de traques des concentrateurs solaires: méthodologies et applications	Oral	D:o	2024-11-28	2024-11-30
IPPS	BUF:01	Burkina Faso	D:o	Ziwindyinga Rebéca BELEMSIGRI; Abdoul Nassirou CISSE; Bruno KORGO; Mino Patricia, RADRIANARISON, Charles YAGUIBOU	Les émissions de CO2 pendant la phase de construction d'un bâtiment à ossature béton armé: étude de cas des gros œuvres au Burkina Faso	Oral	D:o	2024-11-28	2024-11-30
IPICS	NAPRECA	Cameroon	NAPRECA	Charles Fokunang	Drug development and toxicity evaluation of new chemical entities of herbal products	Oral	NAPRECA Webinar Series	2024-12-18	
IPICS	NAPRECA	Cameroon	NAPRECA	CHi Godloves FRU Researcher/Assistant Lecturer Department of Chemistry, University of Buea Cameroon	Tetrapleura tetraptera: A Potential Source of Natural Products against Cancer, Bacteria & Cardiovascular Diseases	Oral	NAPRECA Webinar Series	2024-12-18	
IPPS	ETH:02	China	Academy of Chinese Geological Sciences	Atalay Ayele	Active Rifting in the East African Rift and Challenges in disaster risk management	Oral	Deep Earth Exploration and Practices from 22 to 24 October, 2024 in Beijing, China	2024-10-20	2024-10-24
IPPS	BAN:04	China	ICTP and UN University Institute in Macau	Muhammad Abdul Kadir	Development of biosensors for health monitoring: TinyML in mind	Oral	ICTP-UNU Workshop on TinyML for Sustainable Development	2024-04-26	2024-04-30
IPICS	ANEC	China	School of State Key Laboratory of Pulp and Paper Engineering South China University of Technology	Shimelis Admassie	Affordable and Scalable Electrodes Derived from Invasive Plants for Sustainable Energy Storage: Advancing the Circular Economy	Oral	Seminar Series	2024-03-30	
IPICS	ANEC	China	School of State Key Laboratory of Pulp and Paper Engineering South China University of Technology	Shimelis Admassie	Electrochemistry for Advancing R&D in Energy Conversion, Storage and Environmental Monitoring & Remediation	Oral	Seminar Series	2024-04-11	
IPICS	BOL:01	Colombia	University of Antioquia/Natural History Museum de la Salle	Carlos Pinto	Importance of Vibrational Signals in the Behavior of Membracids (Membracidae: Hemiptera) in the Cloud Forests of Bolivia	Oral	2º Congreso Colombiano de Bioacústica y Ecoacústica	2024-11-18	2024-11-22
IPICS	NAPRECA	DR Congo	NAPRECA	Blaise Mbala	Phytochemistry and Biological Activities of Two Plants Used in Traditional Medicine in DR Congo	Oral	NAPRECA Webinar Series	2024-11-20	
IPICS	BOL:01	Ecuador	CIH-LMU - GENERA Project	Carlos Pinto	Stingless BEEs as an Ecological, Social Capital, and Public Health Resource	Oral	2024 One Health Symposium	2024-11-11	2024-11-12

IPICS	BOL:01	Ecuador	CIH-LMU - GENERA Project	Teresa Solis	KAP-Wildlife: Knowledge, Attitudes, and Practices Regarding the Risk of Zoonotic Diseases, Trade, and Consumption of Wildlife in Latin America	Oral	2024 One Health Symposium	2024-11-11	2024-11-12
IPPS	ETH:02	Egypt	National Research Institute of Astronomy and Geophysics	Atalay Ayele	Active Rifting in the East African Rift and Challenges in disaster risk management	Oral	Mitigating the Impact of Natural Hazards in Africa: Lessons from 1992 Cairo Earthquake in its 25th Anniversary	2024-11-16	2024-11-20
IPICS	NAPRECA	Egypt	NAPRECA	Sameh AbouZid	Rose-scented Geranium, an African Aromatic Plant of Economic Importance	Oral	NAPRECA Webinar Series	2024-09-18	
IPICS	ANFEC	Egypt	College of Pharmaceutical Sciences and Drug Manufacturing, Misr University of Science and Technology	Mohammad Shoeb	Food Safety, Challenges and future prospect	Invited lecture	University Seminar Series	2024-11-18	
IPICS	ANFEC	Egypt	College of Pharmaceutical Sciences and Drug Manufacturing, Misr University of Science and Technology	Mohammad Shoeb	Natural Products for the Management of Diabetes	Invited lecture	University Seminar Series	2024-03-16	
IPICS	ETH:05	Ethiopia	Addis Ababa Science and Technology University (AASTU)	Fekade Beshah Tessema	Exploring Antimicrobial Properties and Oral Health Benefits of <i>Salix subserrata</i> Willd: Unveiling the Potential Beyond its Use as Traditional Chewing Stick	Oral	Science, Technology & Innovation for Industry (STII 2024)	2024-05-16	2024-05-17
IPICS	ETH:05	Ethiopia	AASTU	Limenew Abate Worku	Investigations on PVA/chitosan and PVA/chitin films for active food packaging using <i>Oxytenanthera abyssinica</i> lignin nanoparticles and its UV-shielding, antimicrobial, and antiradical effects	Oral	Science, Technology & Innovation for Industry (STII 2024)	2024-05-16	2024-05-17
IPICS	BUF:01	Germany	Institute of Agricultural Engineering, Tropics and Subtropics Group, University of Hohenheim, Stuttgart	Yvonne Bonzi-Coulibaly	Research on Pesticidal Plants and Sustainable Production of Natural Agrichemicals	Oral	No data	2024-03-04	

IPPS	AFSIN	Ghana	African Spectral Imaging Network (AFSIN)	Benjamin Anderson	Laser and Fibre Optics Centre (LAFOC) and it's Activities	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024-11-04	2024-11-13
IPPS	AFSIN	Ghana	AFSIN	Eugene Vanderpuye	Laser-Induced Fluorescence Combined with Multivariate Analysis for the Identification of Chemically Treated Wood	Poster	D:o	2024-11-04	2024-11-13
IPPS	AFSIN	Ghana	AFSIN	Rabbi boateng	Optical spectroscopy techniques for the study of indigenous Herbal Medicinal Plants and Products (HMPPs).	Oral	D:o	2024-11-04	2024-11-13
IPPS	AFSIN	Ghana	AFSIN	Rabbi boateng	Remote Mapping of Algae on Walls with a 3D Printed Hyperspectral Fluorescence Lidar	Poster	D:o	2024-11-04	2024-11-13
IPPS	BAN:04	Italy	ICTP	Muhammad Abdul Kadir	Medical Physics Education and Training - Bangladesh Perspectives	Poster	College on Medical Physics 2024: Medical Imaging Physics - Enhancing the capability of medical physics in the Developing Countries to contribute to more effective and safer diagnostic medical imaging procedures of the population	2024-04-26	2024-04-30
IPPS	ETH:02	Italy	ICTP	Sisay Alemayehu, Atalay Ayele, Derek Keir	Seismotectonics of Ethiopian Northwestern Plateau and rift flanks: Evidence from focal mechanisms and Seismicity	Poster	Workshop	2024-10-07	2024-10-18
IPPS	ETH:02	Italy	ICTP	Atalay Ayele, Ian Bastow, Sisay Alemayehu, Birhanu Abera, Mike Kendall	Shear wave splitting in the western plateau of Ethiopia	Oral	Workshop on the Structure and Influence of the Earth's Lithospheric System	2024-10-07	2024-10-18
IPPS	AFSIN	Ivory Coast	Conseil Africain et Malgache pour l'Enseignement Supérieur (CAMES)	Abadè Ange-Boris N'GUESSAN	Développement des techniques d'indentation des cellules biologiques: Application à la caractérisation des globules rouges infectés par le Plasmodium falciparum	Oral	6ème édition des Journées Scientifiques du CAMES (JSDC6)	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Akissi Marie Florence YEBOUET Epse KOUAME	Amélioration du contraste des frottis sanguins non colorés à l'aide de la technique de super résolution de multiplexage temporel spectral	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Assoumou Saint-Doria YAMOA	Utilisation du LIDAR Entomologique pour analyser l'impact des couverts au sol et des conditions météorologiques sur la propagation	Oral	JSDC6	2024-03-11	2024-03-14

					des moustiques anophèles à l'INP-HB de Yamoussoukro				
IPPS	AFSIN	Ivory Coast	CAMES	Banah Florent DEGNI	Application de l'éclairage artificiel à LED sur le gombo ( <i>Abelmoschus esculentus</i> ) pour une amélioration de sa croissance, son développement et sa qualité nutritionnelle	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Constant KOUAKOU	Diagnostic précoce par spectroscopie visible et proche infrarouge de la bactériose vasculaire du manioc	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Guy-Oscar REGNIMA	Mesure des coefficients d'absorption et de diffusion pour la caractérisation des milieux denses liquides	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Harrisson Thiziers ACHI	Classification de Malwares utilisant un modèle de Deep Learning sur un Supercalculateur HPC	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Ipo Marius GNETTO	Technique de microscopie pat holographie numérique en ligne sans lentille pour la reconstruction d'image d'objets de phase libre des effets d'images jumelles	Poster	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Kouabenan Anicet KOUAKOU	Apport de l'imagerie multispectrale et multimodale à la détection précoce du virus de la mosaïque du concombre	Poster	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Pavel YALE	Déformation latérale des globules rouges humains par les pinces optiques	Poster	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Sylvère Bienvenue DION	Restauration d'Images Multiplan en Microscopie Classique en Champ Clair à partir de la Résolution de Courbes Multivariées; une Alternative à la Déconvolution 3D	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Thomas KOFFI	Développement d'une instrumentation optoélectronique pour la surveillance de la détérioration des huiles biodégradables dans les transformateurs de puissance électrique	Oral	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Yatana Adolphe GBOGBO	Application du Lidar Scheimpflug à balayage à l'évolution de la diversité spatiale des insectes volants de la forêt primaire de Taï	Poster	JSDC6	2024-03-11	2024-03-14
IPPS	AFSIN	Ivory Coast	CAMES	Akoun ABOU	Synthèse, caractérisation spectrométrique, étude aux rayons X et calculs chimiques quantiques du 2-oxo-2H-chromen-7-yl 4-chlorobenzoate	Oral	JSDC6	2024-03-11	2024-03-14
IPICS	ANEC	Ivory Coast	Société Ouest Africaine de Chimie (SOACHIM)	Amidou Tall, Marília O. Fonseca Goulart, Josué Carinhana Caldas Santos, Issa Tapsoba	Synthèse de nanoparticules de carbone co-dopés hautement luminescents: application à la	Oral	SOACHIM 2024 (Société Ouest Africaine de Chimie)	2024-08-12	2024-08-16

					détermination sensible et sélective de Hg(II) par fluorescence dans des échantillons complexes				
IPICS	ANEC	Ivory Coast	SOACHIM	Bibata Ouedraogo, Sabrine Baachaoui, Amidou Tall, Issa Tapsoba, Nouredine Raouafi	Development of a LIGE electrochemical platform for the analysis of dopamine and uric acid in biological fluids	Oral	SOACHIM 2024	2024-08-12	2024-08-16
IPICS	ANEC	Ivory Coast	SOACHIM	Yssouf KARANGA, Amidou TALL, Yibor Fabrice Roland BAKO, Ousmane ILBOUDO, Issa TAPSOBA	Electrochemical behavior of flavonoids from ethyl acetate extract of <i>Euphorbia hirta</i> L.	Oral	SOACHIM 2024	2024-08-12	2024-08-16
IPPS	TAN:01/2 MSSEESA	Kenya	Kabarak University	A. Maro, L. Mwakyusa, M. Samiji	The impact of S/Se ratio and post-selenization temperature on the structural and optical properties of sputtered (Cu, Ag) <sub>2</sub> ZnSn(S, Se) <sub>4</sub> absorber layer is investigated in the 14th International Conference on Research Trends in Physics & Chemistry of Materials	Oral	14th International Conference on Research Trends in Physics & Chemistry of Materials	2024-07-10	2024-07-11
IPICS	ZIM:01	Kenya	Pan Africa Chemistry Network	Stanley Mukanganyama	Antibiofilm activities of phytochemicals from Zimbabwean medicinal plants	Oral	Pan Africa Chemistry Network Congress 2024	2024-10-29	2024-10-30
IPICS	ZAM:02	Kenya	Royal Society of Chemistry	James Nyirenda	Activated Carbon-Silver Silica Nano composite for removal of Heavy metals and Organic pollutants from Water	Oral	16th Anniversary of the Pan African Chemistry Network Congress	2024-10-28	2024-10-31
IPICS	LAO:01/ LAO:04	Laos	Faculty of Engineering, NUOL	Phengxay Deevanhxay	Introduction to Green Hydrogen and Ammonia	Oral	International Conference on Natural Science and Engineering	2024-11-05	2024-11-06
IPICS	ANFEC	Laos	ANFEC, Lao PDR	Mohammad Shoeb	Food Safety in Bangladesh: Laws, Regulations, Policies, Actions and Collaborations, and Development	Invited lecture	ReSFEC 2024 - Regional Symposium on Food and Environment Contaminants	2024-12-19	
IPPS	MAL:01	Mali	Malian Society of Applied Sciences (MSAS)	Adama H COULIBALY, Cheick DIARRA, Namory CAMARA, Mody SOW, Cheick Oumar KINDO	Transport de la Poussière Minérale depuis la Zone Sahélienne en Afrique de l'Ouest	Oral	11th Congres of the Malian Society of Applied Sciences (MSAS)	2024-07-28	2024-08-03
IPPS	MAL:01	Mali	Malian Society of Applied Sciences (MSAS)	Tji Souleymane COULIBALY; Souleymane SANOGO; Cheick DIARRA	Simulation des Impacts Climatiques de l'Injection de SO <sub>2</sub> dans la Stratosphère sur les Indices Pluviométriques au Sahel	Oral	11th Congres of the Malian Society of Applied Sciences (MSAS)	2024-07-28	2024-08-03
IPICS	ZAM:02	Morocco	National Academies of Science, Engineering and Medicine-US Frontiers	James Nyirenda, George Kalaba, Onesimus Munyati	Synthesis and Characterisation of an Activated Carbon-Ag-SiO <sub>2</sub> Nanocomposite for Removal of Heavy metals and Organic Waste from Water	Poster	USA-Africa Frontiers of Science, Engineering, and Medicine Symposium	2024-01-14	2024-01-20
IPPS	NEP:01	Nepal	Nepal Materials Science Society, Nepal	Dipak Oli, Rupa Khanal, Ravi Neupane, Dhana Lawati, Dinesh K Chaudhary, Pitamber Shrestha, Deval P Bhattaraj, Prakash C Lohani, Sheikh Manjura Hoque, Leela pradhan	Synthesis and Characterization of Choerospondias axillaris based activated carbon/CuO nanocomposite for supercapacitor application.	Poster	ICAFM 2024, Nepal	2024-10-25	2024-10-27

IPPS	NEP:01	Nepal	Nepal Materials Science Society, Nepal	Ravi K Neupane, Dipak Oli, Sheikh Manjura Hoque, Dinesh K Chaudhary, Rajesh Shrestha, Sahira Joshi, Leela Pradhan Joshi	Synthesis and Characterization of Lapsi (Choerospondias axillaris) seed activated carbon (AC) and CuO/AC nanocomposite for supercapacitor application	Poster	ICAFM 2024, Nepal	2024-10-25	2024-10-27
IPICS	NAPRECA	Rwanda	NAPRECA	Associate Prof. MUGANGA Raymond,	Regulation of Herbal Medicine in Africa, Rwanda Case	Oral	NAPRECA Webinar Series	2024-10-17	
IPICS	ANEC	Senegal	Federation of African Societies of Chemistry/Senegalese Committee for Chemistry	Ababacar Diouf, Mohamed Lamine Sall, Alassane Traoré, Diébel Dado Sall, Balla Fall, Abdou Karim Diagne Diaw, Modou Fall	Analysis of soil pollution by lead in automobile garages (mechanical and road) in Dakar	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Ablaye Soung, Guédj Dione, Modou Fall, Hyacinthe Randriamahazaka	Synthesis and characterization of electrochemical properties of a new gel polymer electrolyte for energy storage device applications	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Amidou Tall, Marília O. Fonseca Goulart, Josué Carinhonha Caldas Santos, Issa Tapsoba	Synthesis of highly luminescent N, P co-doped carbon dots: characterization and application in sensitive and selective fluorescence determination of Hg(II) in complex samples	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Arona Ngom, Mamadou Dieng, Diariatou Gningue-Sall, Viatcheslav Jouikov, Andrey S. Mendkovich	Reversible dimerization of anion radicals of carbonyl compounds and the electrosynthesis of pinacols. The case of 9-fluorenone	Poster	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Balla Fall, Diébel Dado Sall, Ababacar Diouf, Abdou Karim Diagne Diaw, Modou Fall	Electrochemical sensor based on a CNT/MoS <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> material modified glassy carbon electrode (GCE) and application to the sensitive detection of Hg <sup>2+</sup> ions in tap water	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Bouré DIOUF, Mohamed Lamine SALL, Ababacar DIOUF, Abdou Karim Diagne DIAW, Diariatou GNINGUE-SALL	Biochar based on date grains for removal of hexavalent chromium in solution	Poster	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Diebel D. Sall, Balla Fall, John S. Lomas, Modou Fall, Abdou Karim D. Diaw, Miryana Hemadi	Amperometric nonenzymatic determination of glucose via a glassy carbon electrode supported with carbon nanotubes, molybdenum disulfide nanocomposite and nickel nanoparticle	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	El Hadji Dièye, Alioune Fall, Modou Fall, Carlos Arthur Ferreira, Mauro R.S. Silveira, Alessandra F. Baldissera	Synthesis of new polyanilines doped with ionic liquids for the elimination of heavy metals by electro dialysis technic	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Ismaila Diédhiou, Amal Raouafi, Sabrine Baachaoui, Modou Fall, Abdulhadi H. Almarri, and Nouredine Raouafi	Optimized process for the fabrication of laser-scribed porous graphene electrodes for the simultaneous sensing of heavy metal ions	Oral	FASC/JACS 2024	2024-11-19	2024-11-21

IPICS	ANEC	Senegal	D:o	Issa TAPSOBA	Development of Electrochemical Sensors for Pesticides and their metabolites Detection in Water	Invited lecture	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Malang Bodian, Dame Keinde, El-Hadji Dieye, Kinda Hannawi, Modou Fall, Aveline Darquennes	Contribution to the development of attapulgitite as a cement substitute in reinforced concrete	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ANEC	Senegal	D:o	Modou Gningue Diop, Mamadou Gueye, Momath Lo, Pape Mor Cissé, Mouhamadou A Diallo and Makhtar Guène	Synthesis and Characterization of Composite (Zn <sub>0.3</sub> Mg <sub>0.7</sub> Fe <sub>2</sub> O <sub>4</sub> @PPy): Use for the elimination of Chromium (VI) in water by the adsorption method	Oral	FASC/JACS 2024	2024-11-19	2024-11-21
IPICS	ZIM:01	South Africa	SASBMB (South African Society for Biochemistry and Molecular Biology)	Lydia Chenesai Mugayi, Dexter Tagwireyi and Stanley Mukanganyama	Isolation and identification of compounds from <i>Trichilia emetica</i>	Poster	28th South African Society for Biochemistry and Molecular Biology Congress	2024-07-07	2024-07-10
IPICS	ZIM:01	South Africa	SASBMB	Simbarashe Sithole	A triterpenoid and a sterol isolated from the leaves of <i>Dolichos kilimandscharicus</i> exhibited dose-dependent antiproliferative effects on human cancer cell lines	Poster	28th South African Society for Biochemistry and Molecular Biology Congress	2024-07-07	2024-07-10
IPICS	ZIM:01	South Africa		Stanley Mukanganyama	Biochemical mechanisms of antimicrobial action of natural products isolated from some selected medicinal plants from Zimbabwe	Oral	28th South African Society for Biochemistry and Molecular Biology Congress	2024-07-07	2024-07-10
IPPS	RWA:01/EAARN	South Africa	Cape Town International Conception Center	P. Nkundabakura	The Variability Of 8 Blazar Candidates Among The Fermi-Lat Unidentified Gamma-Ray Sources	Poster	32th International Astronomical Union (IAU) General Assembly	2024-08-06	2024-08-15
IPPS	UGA:02	South Africa	International Astronomical Union (IAU)	E. Jurua	Use of Astronomy as a tool to improve gender balance in Tertiary Institutions	Poster	IAU General Assembly	2024-08-06	2024-08-15
IPPS	UGA:02	South Africa	International Astronomical Union (IAU)	E. Jurua, O. Trust, G. Modo, E.B. Amabayo	Spectral characterisation of HD73574	Poster	IAU General Assembly	2024-08-06	2024-08-15
IPPS	ZAM:01	Switzerland	CERN	Dorcas Mulaye	integration of machine learning models into a prototype of a digital twin engine for the early detection of drought	Oral	CERN Summer student seminar presentation	2024-07-01	2024-08-23
IPPS	TAN:01/2 MSSEESA	Tanzania	University of Dodoma	Eva Shana	Impact of Rapid Thermal Annealing on MO Back Contact for Thin Films Solar Cells Applications	Oral	1st International Conference in Science and Technology	2024-06-18	2024-06-20
IPPS	TAN:01/2 MSSEESA	Tanzania	University of Dodoma	Hezekiah Sawa	No data	Oral	1st International Conference in Science and Technology	2024-06-18	2024-06-21

IPPS	TAN:01/2 MSSEESA	Tanzania	University of Dodoma	Justine Tibaijuka	Multilayered AlxOy/Cr/AlxOy selective solar absorber thin films: Influence of microstructure modification through Cr -tri layer deposition approach	Oral	1st International Conference in Science and Technology	2024- 06-18	2024- 06-20
IPPS	TAN:01/2 MSSEESA	Tanzania	University of Dodoma	Sungi Gilya	Effect of Ga Doping on Optical Transmittance and Electrical Conductivity of CdS Thin Films	Oral	1st International Conference in Science and Technology	2024- 06-18	2024- 06-20
IPPS	ETH:02	Tanzania	African Scientific, Research and Innovation Council (ASRIC)	Atalay Ayele	Innovating Resilience: The Role of Science and Technology in Safeguarding Communities from Geohazards	Oral	7th African Scientific, Research and Innovation Council (ASRIC) Congress	2024- 12-10	2024- 12-13
IPICS	ANFEC	Thailand	Khon Kaen University, Thailand	Kengkham Sandkhamlue, Oudone Chanthavong, Santi Kongmany	Characteristics of wastewater from some pig- farms in Laos	Poster	15th ICERD	2024- 03-08	2024- 03-10
IPPS	AFSIN	Togo	Department of Physics, Faculty of Sciences, University of Lome	Kaduki K.A., Birech Z. Githaiga J.I., Kaniu I.M., Okonda J. Angeyo H.K. and Mito C.O.	ISP/AFSIN Supported & Related Research Activities at the University of Nairobi, Kenya (2022 – 2023)	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13
IPPS	AFSIN	Togo	Department of Physics, Faculty of Sciences, University of Lome	Ndung'u C.N., Kaduki K.A., Kaniu M.I. and Kiruri L.W.	Machine Learning and 2D-COS Raman Spectroscopy for Accurate Identification of Chlorothalonil Residues in Vegetables	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13
IPPS	AFSIN	Togo	Department of Physics, Faculty of Sciences, University of Lome	Ndung'u C.N., Kaduki K.A., Kaniu M.I. and Kiruri L.W.	Comparing Traditional and Deep Learning- Based Data Augmentation for Robust Spectral Analysis	Poster	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13
IPPS	AFSIN	Togo	African Spectral Imaging Network (AFSIN)	Anéouè Gamaliel ANEZIM	Design of 25cm telescope dome in Sahelian site	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13
IPPS	AFSIN	Togo	AFSIN	Moussa SOUGOTI	Properties of signals obtained by insect remote sensing	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13
IPPS	AFSIN	Togo	AFSIN	Salamata OUIILLI	SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES BASED ON PLANT EXTRACTS	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13
IPPS	AFSIN	Togo	AFSIN	Fatou Ka Gueye	New acetylene linelist in the 5µm region	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024- 11-04	2024- 11-13

IPPS	AFSIN	Togo	AFSIN	Mame Fall Seck	Study of the variegation of <i>acalypha wilksiana</i> leaves by horizontal microscope	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024-11-04	2024-11-13
IPPS	KEN:04	Togo	University of Lome	Kaduki K.A., Birech Z. Githaiga J.I., Kaniu I.M., Okonda J. Angeyo H.K. and Mito C.O.	ISP/AFSIN Supported & Related Research Activities at the University of Nairobi, Kenya (2022 – 2023)	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024-11-04	2024-11-13
IPPS	KEN:04	Togo	University of Lome	Ndung'u C.N., Kaduki K.A., Kaniu M.I. and Kiruri L.W.	Machine Learning and 2D-COS Raman Spectroscopy for Accurate Identification of Chlorothalonil Residues in Vegetables	Oral	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024-11-04	2024-11-13
IPPS	KEN:04	Togo	University of Lome	Ndung'u C.N., Kaduki K.A., Kaniu M.I. and Kiruri L.W.	Comparing Traditional and Deep Learning-Based Data Augmentation for Robust Spectral Analysis	Poster	AFSIN International Workshop on Clinical Translation of Optical Instrumentation	2024-11-04	2024-11-13
IPICS	ANEC	Turkey	Necemettin Arbakan University	N. Raouafi	Laser-Induced Porous Graphene Electrodes for (Bio)Sensing	Invited lecture	Biosensors 2024	2024-09-05	2024-09-07
IPICS	ANEC	Turkey	Necemettin Arbakan University	Sabrine Baachaoui, Marwa Meftah, Ouassim Ghodbane, Nouredine Raouafi	Detecting Point Mutations in Genomic Human DNA Using Electrodes Modified with DNA-Tethered Nanomaterials and TMB/MB as Redox Signal Reporters	Poster	Biosensors 2024	2024-09-05	2024-09-07
IPICS	ANEC	Turkey	Necemettin Arbakan University		The Use of Redox-Active Polymers in Capacitance-Based Aptasensors for Enhanced Food Safety	Oral	Biosensors 2024	2024-09-05	2024-09-07
IPPS	TAN:01/2 MSSEESA	Turkey	World Robot Olympiad organization	Eva Shana	Robotics Achievement in Tanzania, by Robotics Bootcamp	Oral	International World Robot Olympiad Finals	2024-11-27	2024-11-30
IPICS	ZIM:01	Uganda	NAPRECA	Lydia Chenesai Mugayi, Dexter Tagwireyi and Stanley Mukanganyama	Determination of the acute toxicity of <i>Trichilia emetica</i>	Poster	NAPRECA – Uganda symposium 2024	2024-12-12	
IPPS	EAARN	United Kingdom	University of Newcastle and Durham	B. Nyiransenginyumva, M. Povic, P. Nkundabakura, T. Mutabazi	Stellar population analysis of AGN and non AGN in the green valley at $z < 0.1$	Oral	AGH population across continents and cosmic tim	2024-07-08	2024-07-13
IPPS	EAARN	United Kingdom	University of Newcastle and Durham	D. Nishimwe, M. Povic, C. Dumba, A. Mahoro, P. Nkundabakura	Spectral enrgy properties of active and non active galaxies in the green valley	Oral	AGH population across continents and cosmic tim	2024-07-08	2024-07-13
IPPS	RWA:01/EAARN	United Kingdom	University of Newcastle and Durham	P. Nkundabakura	Modelling the temperature of the accretion disks in AGNs	Oral	AGH population across continents and cosmic tim	2024-07-08	2024-07-08

IPPS	RWA:01/EAARN	United Kingdom	University of Newcastle and Durham	A. Mahoro	The [OIII] profiles of FIR Active and Inactive Optically Selected Green Valley Galaxies	Oral	AGH population across continents and cosmic tim	2024-07-08	2024-07-08
IPPS	RWA:01/EAARN	United Kingdom	University of Newcastle and Durham	B. Nyiransenginyumva, <. Povic, P. Nkundabakura, T. Mutabazi	Stellar population analysis of AGN and non AGN in the green valley at $z < 0.1$	Oral	AGH population across continents and cosmic tim	2024-07-08	2024-07-08
IPPS	RWA:01/EAARN	United Kingdom	University of Newcastle and Durham	D. Nishimwe, M. Povic, C. Dumba, A. Mahoro, P. Nkundabakura	Spectral enrgy properties of active and non active galaxiesin the green vallely	Oral	AGH population across continents and cosmic tim	2024-07-08	2024-07-08
IPICS	UGA:01	United Kingdom	Royal Academy of England	Nantaba F. J. Wasswa, Farad Sagala	Application of nanoparticles in drug delivery	Oral	Harmonizing Innovation: Collaborative synthesis of nanoparticles derived from agricultural waste for various industrial applications	2024-09-23	2024-09-27
IPPS	MAL:01	USA	American Meteorological Society (AMS)	Souleymane Sanogo, Marlon Maranan, Andreas H Fink, Beth J Woodhams, Peter Knippertz	Dynamics and Model Representation of Two Contrasting Extreme Precipitation Events in the Sahel	Poster	37th conference of the American Meteorological Society (AMS)	2024-01-28	2024-02-01
IPICS	ANFEC	USA	American Chemical Society (ACS)	Santi Kongmany, Kengkham Sandkhamlue, Oudone Chanthavong	Characteristics of wastewater from some pig-farms in Laos	Oral	ACS Fall 2024	2024-08-18	2024-08-22
IPPS	KEN:01/2	USA	IEEE	Shaffa K. Kokro; Elijah Mwangi; George Kamucha Al	Histogram Matching and Fusion for Effective Low-Light Image Enhancement	Oral	Proceedings of South East Conference of the IEEE Radio International Conference	2024-03-15	2024-03-24
IPPS	MYA:02	Vietnam	Institute of Physics, Vietnam	Kaung Kyaw Naing, Ye Chan	Electrospun Nanofibrous Graphene Oxide Based Hybrid Materials for Supercapacitor Applications	Oral	13th international conference on photonics and applications (ICPA-13)	2024-10-14	2024-10-17
IPPS	MYA:02	Vietnam	Institute of Physics, Vietnam	Ye Chan, Hnin Wut Yi, Nann Mong Longe, Haymar Aung Kyaw, Pho Kaung	Impact of Laser Parameters on the Formation and Functionality of Laser Induced Graphene	Oral	13th international conference on photonics and applications (ICPA-13)	2024-10-14	2024-10-17
IPPS	LAO:01	Vietnam	VNU-US Ho Chi Minh University	K Phengnaone, S Singsoupho, V Xayavong	Application of ground magnetic survey for identification of copper-gold mineralized zones at Samakhixay area, Vientiane Province, Laos	Oral	Conference on Earth Sciences and Sustainable Development (CESD) 2024	2024-11-11	2024-12-11
IPPS	LAO:01	Vietnam	VNU-US Ho Chi Minh University	S Singsoupho, N Volachack, S Sompaseth, T Xouansouandao, P Xaysongdeth, K Southivong	Mapping of groundwater potential zone using electrical resistivity survey at Xeno area (Savannakhet Province, Laos)	Oral	Conference on Earth Sciences and Sustainable Development (CESD) 2024	2024-11-11	2024-12-11

## 2.6.2 Regional conference contributions

**Table 12.** Number of poster and oral contributions to regional scientific meetings in the listed countries, by scientists in ISP supported groups and networks.

Country	Region	Chemistry		Mathematics		Physics		Total		Grand total
		Oral	Poster	Oral	Poster	Oral	Poster	Oral	Poster	
Ivory Coast	Africa	13						13		13
Kenya	Africa	1		4				5		5
Morocco	Africa					1		1		1
Niger	Africa					15		15		15
Mozambique	Africa	1	0					1		1
South Africa	Africa	1	0					1		1
Uganda	Africa	2	0					2		2
<b>Total</b>	<b>Africa</b>	<b>18</b>		<b>1</b>		<b>16</b>	<b>0</b>	<b>35</b>		<b>35</b>
Laos	Asia	2						2		2
<b>Total</b>	<b>Asia</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>		<b>2</b>
<b>All countries</b>		<b>20</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>40</b>		<b>40</b>

Chemistry (IPICS), physics (IPPS) and mathematics (IPMS) contributions to regional conferences. Listed country-wise.

ISP programme	Group / Network	Country	Organiser	Author(s)	Title of the presentation	Oral/Poster	Name of event	Start date	End date
IPICS	RABiotech	Ivory Coast	PTR-SAN CAMES	DAKUYO Roger, KONKOBO Frederic Anderson, BARRY Pousian Raymond, RAMDE Alassane,	Omposition phytochimique et propriétés antioxydantes des fruits de l'anacardier	Oral	1ère Colloque Scientifique International du Programme Thématique de Recherche Sécurité Alimentaire et Nutritionnelle du CAMES (PTR – SAN)	2024-10-21	2024-10-22
IPICS	RABiotech	Ivory Coast	PTR-SAN CAMES	DAKIO Sewesse Johanna, Marius K. Somda, Ouattara Aminata, KABORE Donatien	Évaluation technologique et consommation des brochettes de soja (Glycine max) vendues dans les villes de Kaya, Bobo Dioulasso et Ouagadougou	Oral	CAMES (PTR – SAN)	2024-10-21	2024-10-23
IPICS	RABiotech	Ivory Coast	PTR-SAN CAMES	OUATTARA Aminata, SOMDA K. Marius, Johanna S. DAKIO, Aniela Z. BOUDA, KABORE Donatien, DICKO H Mamoudou	Technologie de production et appréciation de la qualité hygiénique des brochettes enrobées vendues au Burkina Faso	Oral	CAMES (PTR – SAN)	2024-10-21	2024-10-23
IPICS	RABiotech	Ivory Coast	PTR-SAN CAMES	ROAMBA Noelle Edwige, ZONGO Sandrine, KONATE Kiessoun, DICKO Mamoudou Hama	Composition phytochimique et propriétés antioxydantes des fruits de l'anacardier (Anacardium occidentale), valeur ajoutée pour l'atteinte de la sécurité alimentaire	Oral	CAMES (PTR – SAN)	2024-10-21	2024-10-23
IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	AGBOKOU Koffi Apéali Wassiou, DINDANE Zackaria, DAKUYO Roger, COMPAORE Wendinpuikondo Raketa Ella, PIETRA Virginio OUATTARA/ SONGRE Laurencia Toulsumdé, DICKO Hama Mamoudou	Qualité nutritionnelle des bouillies infantiles de maïs 152eurons152l utilisées dans les 152eurons152l152ions culinaires du District Sanitaire de Léo au Burkina Faso	Oral	SIST (Symposium international sur la science et la technologie)	2024-10-07	2024-10-11
IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	Barkissa KOUDOUGOU, Adama PARE, Donation KABORE, Marius K. SOMDA, Laurencia Toulsumdé OUATTARA/SONGRE, Mamoudou H. DICKO	Qualité microbiologique et antibiogramme des souches d'Escherichia coli et Salmonella spp isolées des intestins crus de poulets vendus dans la ville de Ouagadougou	Oral	SIST	2024-10-07	2024-10-11
IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	David BAZIE, Raymond Poussian BARRY, Frederic A. KONKOBO, Kabakdé KABORE, Roger DAKUYO, Kiessoun KONATE and Mamoudou Hama DICKO	Potentiel nutritionnel de la pulpe et des graines de pastèque (Citrullus lanatus) du Burkina Faso	Oral	SIST	2024-10-07	2024-10-11

IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	Désiré OUARO, Serge SAMALDOUGOU, Hamidou COMPAORE, Lassina TRAORE, Hagrétou SAWADOGO/ LINGANI, Mamoudou Hama DICKO	Valuation des pratiques post recolte favorable à la contamination du maïs par les mycotoxines dans la ville de Ouagadougou	Oral	SIST	2024-10-07	2024-10-11
IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	KANTE-TRAORE Hyacinthe, TAMPANGA Dahandi Désiré, SOMDA K. Marius, LODOUN Adama, SAWADOGO Hagrétou, DICKO H. M.	Formulation et caractérisation des paramètres physico-chimiques et nutritionnelles du chutney à base de la mangue ( <i>Mangifera indica</i> L).	Oral	SIST	2024-10-07	2024-10-11
IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	SAWADOGO Abdouramane, Marius K. SOMDA, AKAKPO Y. Agbémébia, DABIRE Yérobessor, MOGMENGA Iliassou, NIKIEMA Mahamadi, KABORE Donatien, DICKO H. M	Diagnostic des bonnes pratiques d'hygiène et de fabrication et évaluation de la qualité du lait de souchet au Burkina Faso	Oral	SIST	2024-10-07	2024-10-11
IPICS	RABiotech	Ivory Coast	CNRST/IRSAT/ DTA	TRAORE Lassina, COMPAORE Hamidou, SOALA W. Romain, OUARO Désiré, SOMDA K. Marius, ZIDA P. Elisabeth, Hagrétou Sawadogo-Lingani, DICKO M H	Efficacité des substances antifongiques de <i>Bacillus</i> spp. Et de <i>Lactobacillus</i> spp. Contre les souches aflatoxinogènes contaminant le maïs au Burkina Faso	Oral	SIST	2024-10-07	2024-10-11
IPICS	BUF:01	Ivory Coast	SOACHIM – Société Ouest Africaine de Chimie	Assétou S., Jean Claude W. O, Mamourou Z, Yvonne L. B.C	Analyse phytochimique et activité antioxydante du résidu d'hydrodistillation de <i>Cymbopogon nardus</i>	Oral	SOACHIM 2024 (Société Ouest Africaine de Chimie)	2024-08-12	2024-08-16
IPICS	BUF:01	Ivory Coast	Société Ouest Africaine de Chimie (SOACHIM)	Jean Claude W. Ouédraogo, Céline Henoumont, Irène Semay, Félix B. Kini, Sophie Laurent, Yvonne L. Bonzi – Coulibaly, Pascal Gerbaux	Isolation and structural analysis of a flavonoid from the leaves of <i>Odontonema strictum</i>	Oral	SOACHIM 2024	2024-08-12	2024-08-16
IPICS	ZIM:01	Kenya	University of Nairobi	Stanley Mukanganyama	The Multifaceted Role of Glutathione Transferases in Detoxification, Disease Pathogenesis, and Therapeutic Targeting by Ethnomedicines	Oral	2 <sup>nd</sup> Joint International Conference of Society for Ethnobotany (SEB – K) and NAPRECA – Kenya	2024-12-04	2024-12-05
IPMS	APREA	Kenya	APREA	Patrick Weke	Strengthening Public Health Data Science Training and Research in the Region	Oral	APREA/APHREA Workshop	2024-06-24	2024-06-25
IPMS	APREA	Kenya	APREA	Isaac Kipchirchir	Modelling the Determinants of Attrition in a Two-Stage Epilepsy Prevalence Survey in Nairobi Using Machine Learning	Oral	APREA/APHREA Workshop	2024-06-24	2024-06-25

IPMS	APREA	Kenya	APREA	Carolyn Ogotu	Enhancing health financing strategies through Forex data analysis and prediction using Machine Learning	Oral	APREA/APHREA Workshop	2024-06-24	2024-06-25
IPMS	APREA	Kenya	APREA	Idah Orowe	Predicting time to viral suppression and associated factors among patients on ARTs using machine learning models	Oral	APREA/APHREA Workshop	2024-06-24	2024-06-25
IPICS	CAB-CCS	Laos	ANFEC	Sereilakhena PHAL	Electrochemical Method for Heavy Metals Detection in Environmental Sample	Oral	ReSFEC 2024 – Regional Symposium on Food and Environment Contaminants	2024-12-19	
IPICS	CAB-CCS	Laos	ANFEC	Vichheka SO	Determination of Antibiotic-Resistant Bacteria in Food: Case Studies in Phnom Penh and Some Provinces	Oral	ReSFEC 2024 – Regional Symposium on Food and Environment Contaminants	2024-12-19	
IPPS	UGA:02	Morocco	African Astronomical Society (AfAS)	Douglas Manasi	Understanding particle acceleration mechanism in relics formation	Oral	AfAS Annual conference	2024-04-15	2024-04-20
IPICS	ZIM:02	Mozambique	African Crop Science Society	T. Munyari, N. Nleya, K. Chitindingu, M, Ndemera	Effect of Biofertilizers on productivity and aflatoxin contamination in groundnuts	Oral	13 <sup>th</sup> African Crop Science Society Conference	2024-09-16	2024-09-09
IPPS	BUF:01	Niger	West African Physics Society	Bouto Kossi Imbga, Ladifata Mogmenga, Thierry Sikoudouin Maurice Ky	Conception et étude expérimentale d'un cuiseur solaire hémisphérique: application aux chauffages et à la 154eurons des aliments	Oral	6 <sup>th</sup> West African Physical Society Congress	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	Christian BANGOU, Karim HIE, Claude TIENDREBEOGO, Abdoul Razakou, Christopher MTSHALI, Issa ZERBO, Martial ZOUNGRANA	Investigation of soil quality of cultivated lands of Villy using the PIXE technique	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	Etienne KABORE, Lareba Adélaïde OUEDRAOGO, Sié KAM, Dieudonné Joseph BATHIEBO	Développement d'un outil efficace de simulation numérique pour la prédiction des transferts de chaleur et de masse dans les enveloppes des bâtiments	Oral	D:o	2024-09-12	2024-12-12
IPPS	MAL:01	Niger	D:o	Issa BAGAYOGO, Souleymane SANOGO, Amoro COULIBALY	L'Évaluation du 154eurons154l solaire photovoltaïque des bâtis pour l'électrification des zones rurales hors du 154euron national au Mali	Oral	D:o	2024-12-09	2024-12-12
IPPS	BUF:01	Niger	D:o	KABORE Alassane	Etude théorique et expérimentale du stockage à hydrogène – pile à combustible dans les centrales solaires de grande capacité	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	Kokou Prosper Semekonawo, Sié Kam, Bruno Korgo, Joseph Dieudonné Bathiebo, Kossi Napo, Oumarou Savadogo	Prévision de la demande d'énergie électrique en Afrique de l'Ouest à l'horizon 2030 à base de réseaux de 154eurons artificiels Long Short Term Memory (LSTM)	Oral	D:o	2024-09-12	2024-12-12

IPPS	BUF:01	Niger	D:o	MAIGA Alidou, TOUSSAKOE Karim, Kabore Boureima, MALBILA Etienne KAM Sié	Contribution à la conception d'habitats bioclimatiques pour les personnes déplacés interne (PDI)	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	Nébon Bado, Eri Korsaga, Boureima Dianda, Mamadou Simina Dramé, Bruno KORGO and Florent P. Kieno	Impact of typical days on the optical and microphysical parameters of aerosols in urban zones of Burkina Faso, West Africa	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	OUEDRAOGO Lareba Adélaïde, KAM Sié, KORGO Bruno, BATHIEBO Joseph Dieudonné	Study of the thermal behavior of a foamed concrete habitat with other building materials	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	OUEDRAOGO Rélwendé Quentin	Investigation sur l'utilisation domestique des éoliennes en Afrique de l'Ouest	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	Ramatou Konate, Thierry Sikoudouin Maurice Ky, Moctar Ousmanea, Mamoudou Diacouri, Fatoumata Nana, Boureima Dianda, Salifou Ouedraogo, Adama Ouedraogo, Sie Kam, Dieudonne Joseph Bathiebo	Evaluation of an Indirect Solar Dryer in Forced Convection Mode Powered by a Photovoltaic Solar Panel in Sub-Saharan Region	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	Sanembaye Adrien, Bassa Bruno Timbré Djedanoum, Sié Kam, Dieudonné Joseph Bathiebo	Etude numérique de la convection Naturelle dans une enceinte fermée en 3D	Oral	D:o	2024-09-12	2024-12-12
IPPS	MAL:01	Niger	D:o	Siaka KODIO, Souleymane SANOGO, Boureima S TRAORE, Issiaka TRAORE	Analyse des options d'expansion et d'intensification des sites d'irrigation localisés à Bamako et environnant	Oral	D:o	2024-12-09	2024-12-12
IPPS	BUF:01	Niger	D:o	SORO Boubacar	Etude de l'impact du taux de dopage de la base sur les paramètres électriques d'une cellule PV au silicium sous illumination intense	Oral	D:o	2024-09-12	2024-12-12
IPPS	BUF:01	Niger	D:o	SOURABIE Idrissa, KY. S. Thierry, SORO Boubacar, LALLOGO. S. Serge Ismaël, ZERBO Issa	Conception d'un système de nettoyage des panneaux photovoltaïques	Oral	D:o	2024-09-12	2024-12-12
IPICS	ZIM:02	South Africa	Southern African Society of Aquatic Scientists (SASAqS) and Society of Environmental Toxicology and Chemistry (SETAC)	J, Change, N. Basopo	An assessment of the relationship between Total mercury levels in the environment and lipid peroxidation in freshwater snail <i>Helisoma duryi</i>	Oral	SASAQS and SETAC Joint Southern African Regional Conference	2024-06-23	2024-06-26

IPICS	NAPRECA	Uganda-Egypt	NAPRECA	Mostafa Basheer	Production of bioactive compounds from <i>Stevia rebaudiana</i> plant tissue culture	Oral	NAPRECA Webinar Series	2024-02-21	
IPICS	NAPRECA	Uganda-Egypt	NAPRECA	Peter Sekandi	Antimicrobial, antioxidant, and sun protection potential of the isolated compounds from <i>Spermacocae princeae</i>	Oral	NAPRECA Webinar Series	2024-10-01	

### 2.6.3 National conference contributions

**Table 13.** Number of poster and oral contributions to national/local scientific meeting in 2024, by scientists in ISP supported groups and networks.

Country	Region	Chemistry		Mathematics		Physics		Total		Grand total
		Oral	Poster	Oral	Poster	Oral	Poster	Oral	Poster	
Ivory Coast	Africa					1		1		1
Kenya	Africa					1		1		1
Senegal	Africa	1						1		1
Tanzania	Africa					2		2		2
Uganda	Africa	1				2		3		3
Zimbabwe	Africa					10		10		10
<b>Total</b>	<b>Africa</b>	<b>3</b>				<b>15</b>		<b>18</b>		<b>18</b>
Bangladesh	Asia					3		3		3
Laos	Asia	6						6		6
Nepal	Asia					2		2		2
<b>Total</b>	<b>Asia</b>	<b>6</b>				<b>5</b>	<b>0</b>	<b>11</b>		<b>11</b>
<b>All countries</b>		<b>9</b>				<b>20</b>		<b>18</b>		<b>29</b>

Chemistry, mathematics and physics contributions to national conferences. Listed country-wise.

ISP programme	Group / Network	Country	Organiser	Author(s)	Title of the presentation	Oral/Poster	Name of event	Start date
IPPS	BAN:02/2	Bangladesh	BUET - Bangladesh University of Engineering and Technology	S. Manjura Hoque	Ultra-low dimension nanohybrids as magnetic resonance contrast agents	Oral (Plenary)	BUET ACS Student Chapter hosted programme ChemBridge: Advancing Science Together, supported by the Global Innovation Grant	2024-12-21
IPPS	BAN:04	Bangladesh	BUET	Khondkar Siddique-e-Rabbani	A Journey Through Biomedical Physics Research and Development in Bangladesh (Since 1978) Targeted to the Welfare of the Common People	Oral	Workshop on Biophysics: From Physical Principle to Technological Advancement	2024-06-28
IPPS	BAN:04	Bangladesh	BUET	Muhammad Abdul Kadir	Physics and Engineering in Medicine: Spotlight on Electrical Bioimpedance	Oral	Workshop on Biophysics: From Physical Principle to Technological Advancement	2024-06-28
IPPS	AFSIN	Ivory Coast	Unité Mixte de Recherche et d'Innovation des Sciences et Technologies de l'Ingénieur (UMRI-STI) of INP-HB	Abadê Ange-Boris N'GUESSAN	Développement des techniques d'indentation des cellules biologiques: Application à la caractérisation des cellules sanguines	Oral	Journée scientifique de l'UMRI-STI	2024-02-16
IPPS	AFSIN/KEN:04	Kenya	Faculty of Science & Technology, University of Nairobi	Carolyn Jeptoo, Zephania Birech, Kenneth Kaduki and Abigael Atieno Ouko	Application of Surface-Enhanced Raman Spectroscopy and Chemometrics in Total Aflatoxin Detection and Quantification in an Alcoholic Beverage	Oral	7th Annual Conference of the Faculty of Science and Technology	2024-11-04
IPICS	LAO:04	Laos	Faculty of Natural Sciences, NUOL	Bouathanom Noynaly, Phengxay Deevanhxay, Kesiny Phomkeona, Kingsading Thongkhamvongdeth, Bounleuane Douangdeuane	Quantification of Gymnemic acid I in <i>Gymnema sylvestre</i> by HPLC	Oral	Annual Conference on the Dissemination of Scientific Research Findings 2024	2024-12-25

IPICS	LAO:01	Laos	Faculty of Natural Sciences, NUOL	Photthaharn Inthilath, Vanseng Choulamany, Kesiny Phomkeona, Phengxay Deevanhxay, Soudsada Soulinthone Aphisid Chandavongs	Monitoring of municipal wastewater in Vientiane Capital	Oral	Annual Conference on the Dissemination of Scientific Research Findings 2024	2024-12-25
IPICS	LAO:04	Laos	Faculty of Natural Sciences, NUOL	Thansamai Dethphakhoun, Phengxay Deevanhxay, Kesiny Phomkeona, Vanseng Chounlamany	Quantification of Catechin and Caffeine in Local Tea Products by HPLC	Oral	Annual Conference on the Dissemination of Scientific Research Findings 2024	2024-12-25
IPICS	LAO:01/LAO:04	Laos	Ministry of Natural Resource and Environment, Department of Natural Resource and Environment Inspection	Phengxay Deevanhxay, Sengkeo Tasaketh	Training Modules for Proper Operation and Maintenance of Domestic Decentralised Wastewater Treatment Facilities in Lao PDR	Oral	Dissemination workshop on Training Modules for Proper Operation and Maintenance of Domestic Decentralised Wastewater Treatment Facilities in Lao PDR	2024-06-20
IPICS	ANFEC (Laos)	Laos	National University of Laos	Kone Chanthikoun, Santi Kongmany, Khantavanh Inthavong, Chanthanon Deuanmany, Souksavanh Syphounsouk	Investigating Chlorpyrifos and Cypermethrin Residue in Some Vegetables and Their Reduction prior to Consumption	Oral	Scientific Conference for Research Dissemination	2024-11-04 -- 06
IPICS	ANFEC (Laos)	Laos	National University of Laos	Santi Kongmany, Somchanh Bounphanmy, Kone Chanthikoun, Aphisid Chanthavong, Bounphak Lorbrayao	Influence of Agent Orange to the Environment of Salavan and Savannakhet Provinces, Lao PDR	Oral	Scientific Conference for Research Dissemination	2024-11-04 -- 06
IPPS	NEP:01	Nepal	Nepalese Society for Women in Physics	Leela Pradhan Joshi	Strengthening Science Research in Nepal	Oral	4th Annual General Meeting of NSWIP	2024-08-02
IPPS	NEP:01	Nepal	Nepalese Society for Women in Physics	Leela Pradhan Joshi	Strengthening Research Culture in Nepal	Oral	National Conference on Frontiers of Physics Research in Nepal (FPRN-2024)	2024-06-19
IPICS	ANEC	Senegal	Federation of African Societies of Chemistry/Senegales	E. Ngameni, C.D. Mbiagaing, G.K. Dedzo	Ultra-sensitive electrochemical detection of Caffeic acid at Ionic liquid functionalized halloysite modified glassy carbon electrode	Oral	FASC/JACS 2024	2024-11-19 -- 21

			e Committee for Chemistry					
IPPS	TAN:01/2/MSSEESA	Tanzania	Ministry of Education, Science and Technology	Eva Shana	Robotics Prototype by Students in Dar es Salaam	Oral	8th Tanzania Conference in ICT at JNICC	2024-10-13 -- 14
IPPS	TAN:01/2/MSSEESA	Tanzania	Tanzania Renewable Energy Association	M. E. Samiji, N.R. Mlyuka, M. Kh. Mtelela	Solar cooking in Tanzania	Poster	Renewable Energy Week (REW) 2024	2024-06-06
IPICS	UGA:01	Uganda	Higher Education Partnership in Sub-Saharan Africa (HEPSSA)	Nantaba F	Pharmaceutical residues in the environment: safe use and disposal of pharmaceuticals as a route to combat this challenge	Oral	Higher Education Partnership in Sub-Saharan Africa (HEPSSA)	2024-06-04 -- 07
IPPS	UGA:02	Uganda	Mountains of the Moon University	D. Ayebare, G. Andima, P. Mungufeni, E. Jurua	Characterization of the equatorial electrojet and its magnetic signatures deduced from Swarm observations	Oral	VLIR IUC Mountains of the Moon University Dissemination Conference	2024-04-08 -- 12
IPPS	UGA:02	Uganda	Mountains of the Moon University	p. Opio, G. Andima, E. Jurua	New Method for Determining the Shell Height of the Ionosphere Using GNSS Receivers	Oral	VLIR IUC Mountains of the Moon University Dissemination Conference	2024-04-08 -- 12
IPICS	ZIM:01	Zimbabwe	University of Zimbabwe	Anderson Ngirandi Patience E. Tarwirei Theresa Chimponda, Collen Masimirembwa and Stanley Mukanganyama	Bioactive compounds from the inflorescence and secondary metabolites produced by endophytic fungi of <i>Erythrina abyssinica</i> and formulation of topical antimicrobial cream	Oral	2024 Research Innovation and Industrialisation Week 'Promoting Innovation Ecosystems to Advance Value Chains for Zimbabwe's Industrialisation'	2024-10-30 -- 11-01
IPICS	ZIM:01	Zimbabwe	University of Zimbabwe	Tembo A.L., Mugayi L., Dakwa R. and Mukanganyama S	Determination of Effects of Combining Combretum Apiculatum Extracts, Their Magnesium Nanoparticles, and Ciprofloxacin on <i>Acinetobacter baumannii</i> .	Oral	D:o	2024-10-30 -- 11-01
IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Anderson Ngirandi Theresa Chimponda, Collen Masimirembwa and Stanley Mukanganyama	Antibacterial activities of secondary metabolites produced by endophytic fungi from the inflorescence of <i>Erythrina abyssinica</i> and formulation of topical antibacterial cream	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29
IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Jane R Chirwa, Edward Zumbika, Collen Masimirembwa and Stanley Mukanganyama	Effects of combining <i>Combretum zeyheri</i> extracts, their magnesium nanoparticles and Ciprofloxacin on <i>Acinetobacter baumannii</i>	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29

IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Lydia Chenesai Mugayi, Dexter Tagwireyi and Stanley Mukanganyama	Determination of the acute toxicity of <i>Trichilia emetica</i>	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29
IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Ngonidzashe Chakanza, Ntakadzeni Edwin Madala, Gerald Zvogbo, Godloves Fru chi, Stanley Mukanganyama	An investigation of fungal endophytes from <i>Combretum</i> species and their antimycobacterial activities against <i>Mycobacterium smegmatis</i>	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29
IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Rukudzo Muzata, Dexter Tagwireyi and Collen M Masimirembwa and Stanley Mukanganyama	Development of a Medicinal Plant Characterization and Manufacturing Platform for the Marketing of Complementary and Alternative Medicines in Zimbabwe	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29
IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Simbarashe Sithole, Paul Mushonga, Matthias Heydenreich, Cephas Mawere and Stanley Mukanganyama	Antiproliferative Activities of Phytochemicals Isolated from the Leaves of <i>Dolichos kilimandscharicus</i> (Harms) ex Taub. (Fabaceae) on Jurkat-T and HL-60 Leukemic Cells.	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29
IPICS	ZIM:01	Zimbabwe	Harare Institute of Technology	Stanley Mukanganyama	Prospective development of antimicrobials from secondary metabolites of fungal endophytes found in African medicinal plants	Oral	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium	2024-11-29
IPICS	ZIM:02	Zimbabwe	ZIM:03	S.T. Ngwenya, D. Ndebele, N, Basopo	An assessment of the effects of pharmaceutical effluent on aquatic environments	Oral	Scientific Workshop	2024-05-16 -- 17

## 2.7 Arranged scientific meetings

Department seminars are not included in the statistics below.

**Table 14.** Countries where meetings were arranged, with research groups or scientific networks as organisers or co-organizers. Number of meetings (No) is indicated, as well as total number of participants (Part) reported.

Region	Country	Chemistry		Mathematics		Physics		Total	
		No	Part	No	Part	No	Part	No	Part
Africa	Burkina Faso	10	640					10	640
Africa	Cameroon	1	146					1	146
Africa	Egypt	1	120					1	120
Africa	Ethiopia	1	18					1	18
Africa	Ghana	1	50					1	50
Africa	Ivory Coast	3	95					3	95
Africa	Kenya	1	96	1	30	1	15	3	141
Africa	Mali					1	60	1	60
Africa	Rwanda	1	15	3	85	1	12	5	112
Africa	Senegal	1	25					1	25
Africa	Tanzania			2	300			2	300
Africa	Togo					1	38	1	38
Africa	Uganda	1	96	4	77			5	173
Africa	Zimbabwe	2	52					2	52
<b>Africa</b>	<b>Total</b>	<b>23</b>	<b>1353</b>	<b>10</b>	<b>492</b>	<b>4</b>	<b>125</b>	<b>37</b>	<b>1 970</b>
Asia	Bangladesh	2	26			3	110	5	136
Asia	Myanmar					1	20	1	20
Asia	Nepal					3	305	3	305
Asia	Pakistan							0	0
<b>Asia</b>	<b>Total</b>	<b>2</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>435</b>	<b>9</b>	<b>461</b>
<b>All countries</b>		<b>25</b>	<b>1 379</b>	<b>10</b>	<b>492</b>	<b>11</b>	<b>560</b>	<b>46</b>	<b>2 431</b>

Arranged scientific meetings are listed country-wise.

ISP programme	Group/Network	Country	Name of event	Venue, City	Start date	End date	Number of participants
IPPS	BAN:04	Bangladesh	Seminar: Celebrating the International Day of Medical Physics-2024	Dhaka	2024-11-13	2024-11-14	50
IPPS	BAN:04	Bangladesh	Seminar: Measurement of photo-neutron dose from medical linear accelerator in radiotherapy and associated risk of secondary cancer	Dhaka	2024-12-30	2024-12-30	30
IPPS	BAN:04	Bangladesh	Seminar: Optimizing FDG Production and Synthesis using Cyclone 18/9 MeV IBA Cyclotron for improved image quality	Dhaka	2024-05-21	2024-05-21	30
IPICS	NITUB	Bangladesh	85th Training Programme on the use, maintenance and trouble shooting of "Liquid Chromatography–Mass Spectrometry (LC-MS/MS)	Institute of Bioequivalence Studies & Pharma-ceutical Sciences (IBSPS), BCSIR	2024-05-06	2024-05-11	13
IPICS	NITUB	Bangladesh	86th Training Programme of NITUB On the use, maintenance, trouble-shooting and application of Atomic Absorption Spectroscopy (AAS)	Atomic Energy Centre Dhaka	2024-12-30	2025-01-04	13
IPICS	RABiotech	Burkina Faso	Atelier d'élaboration du plan d'analyse de la troisième et la quatrième question de recherche de la PNIN	Ziniaré	2024-06-24	2024-06-28	20
IPICS	RABiotech	Burkina Faso	Atelier de production des tableaux et des graphiques de la troisième question de recherche de la PNIN II	Ouagadougou	2024-07-15	2024-07-19	20
IPICS	RABiotech	Burkina Faso	Atelier de rédaction du rapport de la deuxième question de recherche de la PNIN, phase 2	Ziniaré	2024-02-19	2024-02-23	20
IPICS	RABiotech	Burkina Faso	Atelier de validation des rapports d'analyse des première et deuxième questions de la PNIN, phase 2	Ziniaré	2024-07-01	2024-07-05	20
IPICS	RABiotech	Burkina Faso	Atelier de validation nationale du projet de bilan du plan stratégique de la recherche du CNRST	Ouagadougou	2024-07-13	2024-07-18	150
IPICS	RABiotech	Burkina Faso	Ateliers élaboration plan stratégique multisectoriel de nutrition	Ouagadougou	2024-11-12/ 2024-11-21	2024-11-21/ 2024-12-2	20
IPICS	RABiotech	Burkina Faso	Conference sur la science biologique: Forum Science et developpement	Ouagadougou	2024-12-03	2024-06-22	150
IPICS	RABiotech	Burkina Faso	Doctoriales de l'Université Joseph-KI-ZERBO	Ouagadougou	2024-06-19	2024-12-05	200
IPICS	RABiotech	Burkina Faso	Forum des parlementaires sur la nutrition	Ouagadougou	2024-01-15	2024-01-17	20
IPICS	RABiotech	Burkina Faso	Journées scientifiques de nutrition	Ouagadougou	2024-05-27	2024-05-29	20
IPICS	ANEC	Cameroon	Journées de Chimie Analytique	Dschang	2024-08-28	2024-08-30	146

IPICS	NAPRECA	Egypt	1st National Symposium of NAPRECA-DR Congo Chapter	Faculty of Science and Technology, University of Kinshasa	2024-08-05	2024-08-05	120
IPICS	ETH:02	Ethiopia	ET-ASLP Workshop on Leadership in Research Projects	Addis Ababa	2024-10-09	2024-10-11	18
IPICS	RABiotech	Ghana	Atelier de renforcement des capacités de la troisième cohorte des chercheurs du Programme Netlinks	Acra	2024-02-18	2024-02-23	50
IPICS	RABiotech	Ivory Coast	1ère édition du Colloque Scientifique International du PTR-SAN du CAMES (Co-NUTRISA 1)	Abidjan	2024-10-21	2024-12-23	50
IPICS	RABiotech	Ivory Coast	4 <sup>e</sup> rassemblement des plateformes nationales d'Information sur la Nutrition (PNIN)	Abidjan	2024-11-23	2024-11-07	20
IPICS	RABiotech	Ivory Coast	Atelier régional sur le renforcement du suivi et de l'application des mesures juridiques adoptées pour protéger l'allaitement maternel en Afrique de l'Ouest et du Centre	Abidjan	2024-03-11	2024-03-15	25
IPMS	APREA	Kenya	APREA/APHREA Workshop	Mombasa	2024-06-24	2024-06-25	30
IPICS	NAPRECA	Kenya	National Symposium of NAPRECA-Kenya	University of Nairobi, Nairobi	2024-04-12	2024-05-12	96
IPPS	KEN:01/2	Kenya	Nuclear Instrumentation for Neutron Activation Analysis	INST, Nairobi	2024-10-16	2024-10-27	15
IPPS	MAL:01	Mali	Winter school on clean energy and circular economy	USTTB, Bamako	2024-02-05	2024-02-16	60
IPPS	MYA:02	Myanmar	Advanced Program in Bacteria Handling & Safety Training	Innovative Biophysics Lab, Yangon	2024-11-22	2024-11-29	20
IPPS	NEP:01	Nepal	An interaction program on the history of ISP and its role to strengthen scientific research at AMSRC, Amrit Campus	Amrit Campus, TU, Kathmandu	2024-09-30	2024-09-30	50
IPPS	NEP:01	Nepal	National Conference on Frontiers of Physics Research in Nepal (FPRN-2024)	Russian House, Kathmandu	2024-06-19	2024-06-19	60
IPPS	NEP:01	Nepal	One day seminar "Physics Education & Research in Nepal (PERN-2024)"	Amrit Campus, TU, Kathmandu	2024-03-29	2024-03-29	100
IPPS	NEP:01	Nepal	One-day Workshop entitled "Experimental and computational methods of metal oxide semiconductors (ECMOS-2024)	Amrit Campus, TU, Kathmandu	2024-12-22	2024-12-22	45
IPPS	NEP:01	Nepal	Two-day interaction program on Quantum Mechanics and its' associated fields	Amrit Campus, TU, Kathmandu	2025-02-07	2025-02-08	100
IPICS	NAPRECA	Pakistan	NAPRECA winter school 2024	University of Central Punjab, Lahore	2024-11-25	2024-11-28	11

IPMS	EAUMP-UR	Rwanda	FEM Discretization of the Robin-Dirichlet Algorithm for the Cauchy Problem for the Helmholtz Equation	Gicumbi, Rwanda	2024-05-28	2024-05-31	5
IPMS	EAUMP-UR	Rwanda	Research workshop planned on 20/05/2024	University of Rwanda	2024-05-20	2024-05-20	30
IPMS	EAUMP-UR	Rwanda	Training School in Algebraic Geometry and Arithmetic	University of Rwanda	2024-08-19	2024 08 30	50
IPICS	RWA:01	Rwanda	Wokshop with Farmers in Karongi District	Karongi District, Rwanda	2024-12-19	2024-12-22	15
IPPS	RWA:01	Rwanda	Workshop on Introduction on Machine Learning	University of Rwanda, College of Science and Technology; Kigali	2024-01-17	2024-01-19	12
IPICS	RABiotech	Senegal	Atelier de redevabilité des engagements de N4G	Saly	2024-04-22	2024-04-24	25
IPMS	EAUMP-UDSM	Tanzania	Girls Science Camp	Dar es Salaam	2024-01-15	2024-01-19	60
IPMS	EAUMP-UDSM	Tanzania	Mathematical Association of Tanzania – MAT	Iringa - Tanzania	2024-02-09	2024-07-09	240
IPPS	AFSIN	Togo	AFSIN International Workshop	Kpalime, Togo	2024-11-04	2024-11-13	38
IPMS	EAUMP-MAK	Uganda	2024 EAUMP-ICTP/SMR3956 summer school on mathematics for artificial intelligence (AI)	Makerere University	2024-07-08	2024-07-26	24
IPMS	EAUMP	Uganda	EAUMP Summer School	Makerere University	2024 07 08	2024 0728	7
IPICS	NAPRECA	Uganda	National Symposium of NAPRECA-Uganda	Busitema University	2024-12-12	2024-12-12	96
IPMS	EAALG	Uganda	Topics in Algebra and Geometry	Makerere University, Kampala	2024-11-25	2024-11-29	40
IPMS	EAALG	Uganda	Workshop on Algebra	Makerere University	45621	45625	6
IPICS	ZIM:01	Zimbabwe	BMBSZ/NAPRECA-ZIM 2024 Annual Symposium 29	Harare Institute of Technology	2024-12-29	2024-12-29	40
IPICS	ZIM:02	Zimbabwe	Use of the Atomic Absorption Spectrophotometer and Mercury Analyser	Bulawayo	2024-02-14	2024-02-15	12

## 2.8 Expenditures

In 2024, the 55 ISP research group and scientific network partners were allocated in total about 10,8 MSEK (11,6 MSEK 2023), and were allowed to bring forward from 2023 about 0,8 MSEK i.e. 790 KSEK (3,3 MSEK in 2023), all in all having about 11,6 MSEK (14,9 MSEK in 2023) available for spending (Tables 15 and 16).

**Table 15.** Research groups' (RG) financial performance 2024 (BBF/BCF = balance brought /carried forward).

Region	Country	ISP Code	Start	BBF from 2023	Allocation	Loc. Use	ISP Paym.	Tot. Exp.	BCF to 2025
Africa	Burkina Faso	IPICS BUF:01	2008	2 852	200 000	177 649	26 719	204 368	-1 516
Africa	Burkina Faso	IPICS BUF:02	2008	427	200 000	189 624	0	189 624	10 803
Africa	Ethiopia	IPICS ETH:01	2002	24 891	200 000	0	145 885	145 885	79 006
Africa	Ethiopia	IPICS ETH:02	2012	76 144	200 000	0	6 462	6 462	269 682
Africa	Ethiopia	IPICS ETH:05	2023	515	100 000	35 013	70 056	105 069	-4554
Africa	Rwanda	IPICS RWA:01	2014	12 139	250 000	0	183 306	183 306	78 883
Africa	Tanzania	IPICS TAN:02	2004	0	0				
Africa	Uganda	IPICS UGA:01	2015	-119	100 000	42 707	57 465	100 172	-291
Africa	Uganda	IPICS UGA:02	2016	452	200 000	40 062	155 252	195 314	5 138
Africa	Zambia	IPICS ZAM:01	2011	0	0				
Africa	Zambia	IPICS ZAM:02	2008	1 495	100 000	0	11 850	11 850	89 645
Africa	Zimbabwe	IPICS ZIM:01	2006	-818	200 000	160 765	38 470	199 235	-53
Africa	Zimbabwe	IPICS ZIM:02	1999	730	200 000	199 398	0	199 398	1 332
Africa	Zimbabwe	IPICS ZIM:03	2020	-11 629	0				
<i>Africa</i>	<i>Total</i>	<i>IPICS RG, Total</i>		<b>107 079</b>	<b>1 950 000</b>	<b>845 218</b>	<b>695 465</b>	<b>1 540 683</b>	<b>528 075</b>
Africa	Ethiopia	IPMS AAU	2005	0	300 000	114 794	129 623	24 4417	55 583
<i>Africa</i>	<i>Total</i>	<i>IPMS RG, Total</i>		<b>0</b>	<b>300 000</b>	<b>114 794</b>	<b>129 623</b>	<b>244 417</b>	<b>55 583</b>
Africa	Burkina Faso	IPPS BUF:01	2013	93 400	160 000	207 571		207 571	45 800
Africa	Ethiopia	IPPS ETH:01	1990	14 000	100 000		66 635	66 635	47 300
Africa	Ethiopia	IPPS ETH:02	2005	53 200	140 000		162 523	162 523	30 600
Africa	Ethiopia	IPPS ETH:03	2021	45 900	150 000	60 157	122 314	182 471	13 400
Africa	Kenya	IPPS KEN:01/2	1991	500	150 000	152 067		152 067	-1 567
Africa	Kenya	IPPS KEN:02	1998	21 700			40 982	40 982	-19 282
Africa	Kenya	IPPS KEN:03	1998	17 200		17 211		17 211	0
Africa	Kenya	IPPS KEN:04	2005	61 000			20 021	20 021	40 900
Africa	Kenya	IPPS KEN:05	2010	0				0	
Africa	Mali	IPPS MAL:01	2011	1 600	120 000		120 213	120 213	1 300
Africa	Rwanda	IPPS RWA:01	2014	-13 435	160 000	93 628	51 160	144 788	1 700
Africa	Tanzania	IPPS TAN:01/2	1989	-129 836	160 000	29 634	12 411	42 044	-11 800
Africa	Uganda	IPPS UGA:01/2	1989	-673	150 000	149 195		149 195	0
Africa	Uganda	IPPS UGA:02	2013	1 400	170 000	111 197	59 202	170 400	1 000
Africa	Zambia	IPPS ZAM:01	1988	-5 423	140 000	134 945		134 945	-368
Africa	Zimbabwe	IPPS ZIM:01	2013	2 300	100 000		109 993	109 993	-7 693
<i>Africa</i>	<i>Total</i>	<i>IPPS RG, Total</i>		<b>162 833</b>	<b>1 700 000</b>	<b>955 605</b>	<b>765 453</b>	<b>1 721 058</b>	<b>141 290</b>
Asia	Bangladesh	IPICS BAN:04	2003	0	0	0	0	0	0
Asia	Bangladesh	IPICS BAN:05	2013	1 905	180 000	177 480	0	177 480	4 425
Asia	Laos	IPICS LAO:01	2005	2 050	100 000	104 236	0	104 236	-2 186
Asia	Laos	IPICS LAO:04	2020	1 192	100 000	103 474	0	103 474	-2 282
<i>Asia</i>	<i>Total</i>	<i>IPICS RG; Total</i>		<b>5 147</b>	<b>380 000</b>	<b>385 190</b>	<b>0</b>	<b>385 190</b>	<b>-43</b>
Asia	Bangladesh	IPPS BAN:02/2	2018	-1 256	80 000	61 101	16 583	77 684	1 000

Asia	Bangladesh	IPPS BAN:04	2011	-1 383	200 000	187 978	6 818	194 796	3 800
Asia	Bangladesh	IPPS BAN:05	2014	1 700	160 000	160 057		160 057	1 600
Asia	Laos	IPPS LAO:01	2005	0	180 000	181 447		181 447	-1 447
Asia	Myanmar	IPPS MYA:01	2016	181 200	150 000		264 049	264 049	67 100
Asia	Myanmar	IPPS MYA:02	2021	119 700	120 000		183 759	183 759	55 900
Asia	Nepal	IPPS NEP:01	2021	0	150 000	76 730	71 486	148 216	1 780
<b>Asia</b>	<b>Total</b>	<b>IPPS RG, Total</b>		<b>299 961</b>	<b>1 040 000</b>	<b>667 313</b>	<b>542 695</b>	<b>1 210 008</b>	<b>129 733</b>
Latin Am.	Bolivia	IPICS BOL:01	2018	24	200 000	195 887	0	195 887	4 137
<b>Latin Am.</b>		<b>IPICS RG; Total</b>		<b>24</b>	<b>200 000</b>	<b>195 887</b>	<b>0</b>	<b>195 887</b>	<b>4 137</b>
	<b>Grand Tot., RG</b>			<b>575 044</b>	<b>5 570 000</b>	<b>3 164 006</b>	<b>2 133 237</b>	<b>5 297 243</b>	<b>858 775</b>

Research groups were granted 52% of the total allocations (60% in 2022 and 55% in 2023) and accounted for the 53% of the total funding (allocations plus balance brought forward from 2023). They accounted for 55% of the total expenditures (60% in 2022, 56% in 2023), 60% of which were transferred for local use (*Table 15*) (59% in 2023).

Scientific networks had 48% of the total allocations (40% in 2022, 45% in 2023) and accounted for the 47% of the total funding. They accounted for 45% of the total expenditures (40% in 2022 and 44% in 2023), 50% of which were transferred for local use (*Table 16*) (47% in 2023).

It should be noted that funding transferred for local use may not be spent the same year as the transfer is conducted, but may be carried forward on a local account. This is accounted for in each partner's yearly financial report to ISP.

The total funding available to the research groups amounted to 6.1 MSEK, i.e., the allocation plus the balance brought forward from 2023, reported in *Table 15*, and they spent 87% of it (compared to 92% in 2022 and 90% in 2023).

The funding available to the scientific networks amounted to 5,4 MSEK (*Table 16*) and they spent 81% of it (compared to 94% in 2022 and 95% in 2023).

Considering the financial balance, the research groups were allowed to carry forward to 2023 totally 9% of their ISP funding (see *Table 15*; 11% in 2022 and 10% in 2023), while the scientific networks carried forward 4% (see *Table 16*; 4% in 2022 and 7% in 2023).-Negative balances at the end of the year are always deducted from the next year's awarded allocation.

**Table 16.** Scientific network's (NW) financial performance 2024 (BBF/BCF = balance brought /carried forward).

Region	ISP Code	Country of coordination	Start	BBF from 2022	Allocation	Loc	ISP	Tot.	BCF to 2024
						Use	Paym.	Exp.	
Africa	IPICS ANCAP	Tanzania	2001	4 864	100 000	104 233	0,00	104 233	631
Africa	IPICS ANEC	Burkina Faso	2013	347	200 000	0	188 085,00	188 085	12 262
Africa	IPICS NAPRECA	Uganda	1988	5 523	150 000	27 385	168 123,00	195 508	-39 985
Africa	IPICS RABiotech	Burkina Faso	2008	9 057	260 000	271 282	0,00	271 282	-2 225
<b>Africa</b>	<b>IPICS NW, Total</b>			<b>19 791</b>	<b>710 000</b>	<b>402 900</b>	<b>356 208,00</b>	<b>759 108</b>	<b>-29 317</b>
Africa	IPMS APREA	Kenya	2021	0	65 000	65 135	0,00	65 135	0
Africa	IPMS BURK:01	Burkina Faso	2003	0	240 000	22 332	90 014,00	112 346	100 000
Africa	IPMS CoRS	Ethiopia	2021	0	50 000	0	0,00	0	0

Africa	IPMS EAALG	Uganda	2021	0	85 000	86 785	31 618,00	118 403	0
Africa	IPMS EAUMP	Uganda	2002	0	1 195 000	623 106	527 717,00	1 150 823	44 000
Africa	IPMS PDEAPP	Rwanda	2021	0	41 000	40 125	0,00	40 125	0
Africa	<b><i>IPMS NW, Total</i></b>			<b>0</b>	<b>1 676 000</b>	<b>837 483</b>	<b>649 349,00</b>	<b>1 486 832</b>	<b>144 000</b>
Africa	IPPS AFSIN	Ivory Coast	2011	6 500	788 000		545 405,03	545 405	249 000
Africa	IPPS EAARN	Uganda	2014	124 000	330 000		231 356,82	231 357	222 500
Africa	IPPS ESARSWG	Zimbabwe	1997	58 000	100 000	155 209	0,00	155 209	2 700
Africa	IPPS MSSEESA	Zambia	2009		180 000	100 688	78 237,96	178 926	1 000
Africa	<b><i>IPPS NW, Total</i></b>			<b>188 500</b>	<b>1 398 000</b>	<b>255 897</b>	<b>854 999,81</b>	<b>1 110 897</b>	<b>475 200</b>
Africa	ISP EANWoBAS	Uganda	2019	<b>208 291</b>	<b>3 784 000</b>	<b>1 496 280</b>	<b>1 860 556,81</b>	<b>3 356 837</b>	<b>589 883</b>
Africa	<b><i>Total Africa</i></b>			-674	200 000	200 506	0,00	200 506	-1 180
Asia	IPICS ANFEC	Laos	2013	<b>207 617</b>	<b>3 984 000</b>	<b>1 696 786</b>	<b>1 860 556,81</b>	<b>3 557 343</b>	<b>588 703</b>
Asia	IPICS ANRAP	Bangladesh	1994	-3 185	200 000	99 925	0,00	99 925	96 890
Asia	IPICS CAB-CCS	Cambodia	2017	5 201	260 000	150 983	0,00	150 983	114 218
Asia	IPICS NITUB	Bangladesh	1995	-6 577	94 000	87 580	0,00	87 580	-157
Asia	<b><i>IPICS NW; Total</i></b>			<b>13 505</b>	<b>200 000</b>	<b>211 385</b>	<b>0,00</b>	<b>211 385</b>	<b>2 120</b>
Asia	IPMS SEAMaN	Laos	2015	<b>8 944</b>	<b>754 000</b>	<b>549 873</b>	<b>0,00</b>	<b>549 873</b>	<b>213 071</b>
Asia	<b><i>IPMS NW, Total</i></b>			<b>0</b>	<b>450 000</b>	<b>0</b>	<b>274 056,00</b>	<b>274 056</b>	<b>0</b>
Asia	<b><i>ISP Total Asia</i></b>			<b>0</b>	<b>450 000</b>	<b>0</b>	<b>274 056,00</b>	<b>274 056</b>	<b>0</b>
	<b>Grand Tot., NW</b>			<b>8 944</b>	<b>1 204 000</b>	<b>549 873</b>	<b>274 056,00</b>	<b>823 929</b>	<b>213 071</b>

**Table 17.** Ranking of ISP’s partner countries in Transparency International’s Corruption Perception Index<sup>6</sup>. **Low number = less corruption.** 180 is the highest score (South Sudan).

Corruption Perceptions Index <sup>7</sup>	Rating 2024 (2023)
Rwanda	57 (49)
Burkina Faso	82 (83)
Tanzania	82 (87)
Zambia	92 (98)
Ethiopia	99 (98)
Nepal	107 (108)
Kenya	121 (126)
Bolivia	133 (133)
Laos	114 (136)
Mali	135 (136)
Uganda	140 (141)
Bangladesh	151 (149)
Zimbabwe	158 (149)
Myanmar	168 (162)

**Table 18:** List of other funding agencies/institutes etc that have given support to ISP supported groups in 2024. Funds from home universities are not listed here.

Other funding (in alphabetical order)
A*STAR (Singapore)
African Engineering and Technology Network (AFRETEC)
AFRIDI/EU-AU
Alexander-von-Humboldt Foundation
Anders Hultmans Stiftelse
Austrian Partnership Programme in Higher Education and Research for Development
Bangladesh Medical Research Council
Bangladesh Ministry of Science and Technology
Bangladesh University Grants Commission (UGC)
BioMed Research Lab
BMBF (Federal Ministry of Education and Research), Germany
Bolivian State Grant: Direct Tax on Hydrocarbons (IDH) of scientific
Cambridge-Alborada Fund
CIMPA (Centre International de Mathématiques Pures et Appliquées)
CNRS (Centre national de la recherche scientifique), France
Deutsche Gesellschaft für Internationale Zusammenarbeit
Donations, Cambodia
Ekhaga foundation
Ethiopian Ministry of Innovation and Technology
European Mathematical Society - Committee for Developing Countries (EMC CDC)
EU-University Network in Energy

<sup>6</sup> <https://www.transparency.org/en/cpi/2024> 2025-05-11.

FONER (Fonds National pour l'Education et la recherche), Burkina Faso
Foundation Composio Mathematics
French National Research Agency: IDBio Project thanks to UNESCO-CHAIR
Global Talent Network
Higher Life Foundation Delta Philanthropies Fellowship
ICTP (International Centre for Theoretical Physics)
International Atomic Energy Agency (IAEA)
Korean Foundation for Advanced Study (KFAS)
League of Arabian Nations
Linköping University, Sweden
London Mathematical Society
Makerere University Research and Innovation Fund and the Government of Uganda
Mekong Region Futures Institute
National Research Foundation, Kenya
NORAD-Energy Technology Network
NORHED II, Norway
OPCW (Organisation for the Prohibition of Chemical Weapons)
OPER foundation, Canada
Regional Scholarship and Innovation Fund (RSIF)
Royal Academy of England (RAEng)
Rwanda Environmental Management Authority (REMA)
SASAqS (Southern African Society of Aquatic Scientists)
Seoul National University, South Korea
SETAC (Society of Environmental Toxicology and Chemistry)
South China Normal University, China)
University of Amsterdam
World Food Program: Research on food consumption and diversity in 6 regions of Burkina Faso

## Appendix 3. OTHER ISP COOPERATION

Besides the ISP core programme, reported in the previous section, ISP carries out different assignments by Sida and engages in collaboration with other bodies.

### 3.1 Sida bilateral research cooperation

#### 3.1.1 Bolivia

In 2024, ISP continued to coordinate the Swedish partners of the Sida-Bolivia bilateral research cooperation. The programme runs from 1 May 2021 to 31 December 2025. The cooperation includes two universities in Bolivia: Universidad Mayor de San Andrés (UMSA) in La Paz, and Universidad Mayor de San Simón (UMSS) in Cochabamba.

The programme run by UMSA is titled: *Science, technology and innovation at University Mayor de San Andrés*, includes seven research areas:

1. Food science and technology for the sustainable development of Bolivia
2. Technological and productive development
3. Water and soil
4. Energy, renewable raw materials and mining
5. Health
6. Socioeconomics, education and culture
7. Research management

The programme is articulated in 21 subprogrammes of which only one has no Swedish partners. The following Swedish university are involved in the Sida-UMSA bilateral research cooperation:

- Karolinska Institute (KI)
- KTH Royal Institute of Technology (KTH)
- Lund University (LU)
- Luleå University of Technology (LTH)
- Swedish University of Agricultural Sciences (SLU)
- University of Gothenburg (GU)
- Umeå University (UmU)
- Uppsala University (UU)

The Sida-UMSS bilateral research cooperation programme is entitled: *strengthening institutional research capacities at Universidad Mayor de San Simón*, and has 10 research areas and 12 subprogrammes, of these one is a continuation of a subprogramme of the previous bilateral cooperation phase. Of these 12 new programmes, three do not have Swedish partners.

0. Chemical technologies (continuation of an old programme)
1. Agriculture, Livestock and Forestry
2. Sustainable management and governance of water and soil
3. Social sciences and humanities
4. Innovation and technology transfer (new and old subprogrammes)
5. Energy
6. Health and life sciences
7. Strengthen SICTI-UMSS management - no Swedish partners
8. Institutional fund for science and technology (FOICyT) - no Swedish partners
9. Research training quality assurance
10. Information communication technologies - no Swedish partners (previous phase)

The Swedish partners in the Sida-UMSS programme are:

- Lund University (LU)
- KTH Royal Institute of Technology (KTH)
- Stockholm University (SU)
- Swedish University of Agricultural Sciences (SLU)
- University of Gothenburg (GU)
- Umeå University (UmU)

### 3.1.2 Cambodia

The Sida bilateral programme with Royal University of Phnom Penh (RUPP), Cambodia, did run from January 2019- December 2024. The programme was built on previous ISP core support to chemistry, mathematics, and physics at RUPP, but was expanded to include the Departments of Biology and Environmental Science at Faculty of Science. It also covered Information and Communication Technology (ICT), Department of Bioengineering at Faculty of Engineering, and the university's general support systems including financial administration. ISP was the coordinator for the science cooperation, and SPIDER at Stockholm University coordinated the ICT part.

Due to the new Swedish foreign aid policy it was decided that the Cambodia programme would end 31 December 2024. After an agreement with Sida, ISP took over the remaining PhD students within the ISP core programme.

The Swedish science collaborators were:

- Linköping University (LiU)
- Lund University (LU)
- Stockholm University (SU)
- Swedish University of Agricultural Sciences (SLU)
- Umeå University (UmU)
- Uppsala University (UU)

### 3.1.3 Ethiopia

In 2023, ISP continued the coordination at the Swedish side of the Sida bilateral programme for research cooperation with Addis Ababa University (AAU) with participants in Electrical engineering, Biotechnology, Economics and Management.

This agreement includes five Swedish universities:

- Chalmers University of Technology (CTH)
- Jönköping International Business School (JIBS)
- KTH Royal Institute of Technology (KTH)
- Swedish University of Agricultural Sciences (SLU)
- University of Gothenburg (GU)

### 3.1.4 Mozambique

ISP has been assigned by Sida to coordinate the bilateral research cooperation on the Swedish side with Eduardo Mondlane University (UEM), Maputo, for the period 1 November 2017 to 31 December 2025.

The programme consists of 21 subprogrammes, grouped in six thematic areas: Population, Health and Well-Being of the Society, Agriculture, Nutrition and Food Security, Natural Resources, Environment and Climate Change, Technology and Innovation, Education, Culture, Good Governance, Ethics and Human Rights, and Key Supporting Elements.

The Swedish institutions involved are:

- Blekinge Institute of Technology (BTH)
- Chalmers University of Technology (CTH)
- Karolinska Institute (KI)
- KTH Royal Institute of Technology (KTH)
- Linköping University (LiU)
- Luleå University of Technology (LTU)
- Lund University (LU)
- Mälardalen University (MDH)
- Örebro University (OrU)
- Stockholm University (SU)
- Swedish University of Agricultural Sciences (SLU)
- Umeå University (UmU)
- University of Borås (HB)
- University of Gothenburg (GU)
- University of Gävle (HiG)
- Uppsala University (UU)

A number of universities in South Africa are also part of this collaboration, namely:

- North West University (NWU)
- Stellenbosch University (SUN)
- University of the Witwatersrand (Wits)
- University of Cape Town (UCT)
- University of Pretoria (UP)
- University of Western Cape (UWC)
- University of the Free State (UFS)
- University of South Africa (UNISA)

### 3.1.5 Rwanda

ISP has been assigned by Sida to coordinate the bilateral research cooperation with University of Rwanda (UR) on the Swedish side of the programme in the period 1 July 2019 to 30 June 2026.

The programme aims to increase the production and use of scientific knowledge of international quality that contributes to Rwanda's development and is grouped into five thematic areas:

- Environmental Research (3 subprogrammes)
- Natural Science and Mathematics Research (2 subprogrammes)
- Research for Health (3 subprogramme)
- Social Sciences Research (5 subprogrammes)
- Research Support (4 subprogrammes)

The cooperation comprises PhD training, postdoctoral fellowships, Master's training, research and innovation grants, support to research infrastructure like ICT and library and development of capacity for research management, as well as strengthening the research culture at University of Rwanda.

The Swedish institutions that are involved in the programme 2024 are:

- Chalmers University of Technology (CTH)
- Jönköping University (JU)
- Karolinska Institute (KI)

- KTH Royal Institute of Technology (KTH)
- Linköping University (LiU)
- Lund University (LU)
- Örebro University (OrU)
- Stockholm University (SU)
- Swedish University of Agricultural Sciences (SLU)
- Södertörn University (SH)
- Umeå University (UmU)
- University of Borås (HiB)
- University of Gothenburg (GU)
- Uppsala University (UU)

### 3.1.6 Tanzania

In 2015, Tanzania entered into a new bilateral phase with Sida, covering support to three universities and one agency in Dar es Salaam:

- University of Dar es Salaam (UDSM)
- Ardhi University (ARU)
- Muhimbili University of Health and Allied Sciences (MUHAS)
- Tanzania Commission for Science and Technology (COSTECH)

The agreement period, from 1 July, 2015 to 30 June, 2020, was extended until 31 December 2024. Sida entrusted ISP the coordination on the Swedish side. The emphasis for this program phase is on the development of local PhD programs in Tanzania.

The programme consists of 32 subprogrammes which covers the broad spectrum of research areas, such as Capacity Building in Mathematics, Drinking Water Sources (DAFWAT), Food Security, Health Systems, HIV and Tuberculosis (TB), Land Resources, Malaria and Neglected Tropical Diseases, Molecular Biosciences, Real Estate Markets Dynamics, Research and Innovations, Research Communication, Research Training, Road Traffic Injury Prevention, Smart Grid Capacity, Strengthening Research Management, Sustainable Sanitation, Sustainable Water Resources, Tourism and Urban planning.

The Swedish partners involved in the programme are:

- Karolinska Institute (KI)
- Linköping University (LiU)
- Lund University (LU)
- KTH Royal Institute of Technology (KTH)
- Stockholm University (SU)
- Swedish University of Agricultural Sciences (SLU)
- Umeå University (UmU)
- University of Gothenburg (GU)
- Uppsala University (UU)

## Appendix 4. MORE ABOUT ISP

### 4.1 ISP organisation

#### ISP Board

The Board is appointed by the Vice Chancellor of Uppsala University in consultation with the Swedish International Development Cooperation Agency (Sida). The Board consists of:

- Uppsala University Vice Chancellor or whoever the Vice Chancellor assigns, also Chairperson
- Uppsala University University Director or another member of the university administrative leadership, as proposed by the Head of ISP
- a member from an international organisation, active in a field relevant to ISP, nominated by the Faculty Board
- three members who are scientists at Uppsala University, of which at least two in fields of science of direct relevance for the programme, nominated by the Faculty Board
- one representative for the developing countries, nominated by the Board of ISP
- one member with considerable experience of work outside the academic sphere, of relevance to the programme, nominated by the Board of ISP
- one representative of the students appointed by the student unions together,
- three deputy members representing different scientific disciplines within ISP, being common deputies for scientific members from Uppsala University and from other institutions of higher education, nominated by the Faculty Board

For 2024, the Board constitutes of:

- Prof Charlotte Platzer Björkman (F), Vice-Rector, Uppsala University
- Prof Kersti Hermansson (F), Department of Chemistry-Ångström, UU (Vice Chairperson)
- Dr Jennifer Blanke (F), non-executive Director, African Risk Capacity (ARC) Group, South Africa
- Prof Lars Österlund (M), Department of Engineering Sciences, Uppsala University
- Prof Giulia di Nunno (F), Department of Mathematics, University of Oslo, Norway
- Dr Eva Söderman (F), Director of Division for internationalisation, Uppsala University
- Prof Ameenah Gurib-Fakim, former President of the Republic of Mauritius, and former member of the Scientific Reference Group to the ISP chemistry programme
- Prof Knut Irgum (M), Department of Chemistry, Umeå University - new
- Prof Tom Britton, Department of Mathematics, Stockholm University
- Prof Fan Yang Wallentin (F), Department of Statistics, Uppsala University
- Prof Klaus Leifer, representative of the personnel unions, Uppsala University

*Deputy Board members, Uppsala University:*

- Dr Biplab Sanyal (M), Department of Physics and Astronomy, Uppsala University - new
- Prof Jonas Bergquist (M), Department of Chemistry, Uppsala University
- Prof David Sumpter (M), Department of Mathematics, Uppsala University - new

#### ISP Executive Committee

- Prof Kersti Hermansson (F), Department of Chemistry-Ångström, Chairperson
- Prof Lars Österlund (M), Department of Engineering Sciences, Vice Chairperson
- Dr Carla Puglia (F), Programme Director of IPPS
- Dr Eva Söderman (F), Director of Division for internationalisation
- Prof Fan Yang Wallentin (F), Department of Statistics
- Associate Prof Peter Sundin (M), Programme Director of IPICS
- Assoc Prof Solomon Tesfaldiet (M), Programme Director of IPICS

## **The ISP Scientific Reference Groups**

### ***The International Programme in the Chemical Sciences (IPICS)***

- Prof Charlotta Turner (F), Lund University, Lund, Sweden
- Prof Henrik Kylin (M), Linköping University, Linköping, Sweden
- Prof Virna Leaner (F), University of Cape Town, Cape Town, South Africa
- Prof Em James Darkwa (M), Ghana (formerly University of Johannesburg, South Africa)
- Prof Jenny Ruales (F), Escuela Politecnica Nacional, Quito, Ecuador
- Prof Aji Palikunnel Mathew (F), Stockholm University, Sweden

### ***The International Programme in the Mathematical Sciences (IPMS)***

- Dr Layla Sorkatti, University of Khartoum, Sudan
- Prof Sophie Dabo, University of Lille, France
- Prof Rikard Bøgvad, Stockholm University, Sweden
- Prof Martin Singull, Linköping University, Sweden

### ***The International Programme in the Physical Sciences (IPPS)***

- Prof Ewa Wäckelgård (F), Uppsala University, Uppsala, Sweden
- Prof Magnus Willander (M), Linköping University, Linköping, Sweden
- Prof Malik Maaza (M), iThemba Labs, Cape Town, South Africa.
- Prof John Nkoma (M), University of Dar es Salaam, Tanzania
- Dr Stephan C. Buchert, Swedish Institute of Space Physics (IRF), Uppsala, Sweden
- Prof Roland Roberts (M), Uppsala University, Sweden

## **ISP Staff members**

In 2024, ISP had the following **staff members**. (Full time if not otherwise indicated).

### ***Core Programme scientific staff***

- Dr Barbara Brena (F), Assistant Programme Director of IPPS. Coordinator for Sida bilateral research cooperation in Cambodia. (80%)
- Dr Bengt-Ove Turesson (M), Head of ISP, Programme Director of IPMS
- Prof Carla Puglia (F), Programme Director of IPPS, Coordinator of the Sida-Bolivia bilateral research cooperation programme (80%)
- Dr Cecilia Öman (F), Assistant Programme Director of IPICS (60%)
- Dr Peter Sundin (M), Programme Director of IPICS (50%)
- Dr Solomon Tesfalidet (M), Programme Director of IPICS (50%)

### ***Administrative staff***

- Anna Wallin (F), Head of Administration
- Hossein Aminaey (M), Administrator
- Monica Lindström (F), Administrator
- Najat Tahboub (F), Economy Administrator
- Ulrika Kolsmyr (F), Economy Administrator
- Liviana Grigorescu (F), Economy Administrator, on sick-leave. Replaced by Heidi Andersson (F), Administrator 20240624 - 20241231

### ***Other staff***

- Dr Olle Terenius (M), Coordinator for Sida bilateral programmes in Ethiopia, Mozambique and Tanzania (65%)

- Ulrica Ouline (F), Project Manager, Communications Officer. 60% during 2024-01-01 – 2024-09-01, 0% 2024-09-01 – 2025-01-12

## 4.2 ISP's objectives

Uppsala University established the International Science Programme (ISP) in 1961. ISP provides long-term support to institutionally based research groups and scientific networks in low and lower-middle income countries, to attain sustainable research activities and postgraduate training in the basic sciences physics, chemistry and mathematics. In a long-term perspective, the resulting outcomes and acquired skills are expected to favorably impact society.

**ISP's vision** is that development challenges are efficiently addressed in partner countries through increasing scientific knowledge.

**ISP's mission** is to strengthen the scientific knowledge, research capacity and postgraduate education in the basic sciences chemistry, mathematics and physics in countries where such capacity is non-existing or weak.

In the Annual report each of the ISP objectives and strategies are reviewed. Below all objectives and strategies are listed and to which section in the report they are linked to. The sections are marked with brackets [xx].

**Objectives:** In the period 2019-2024 ISP will strive to achieve the following specific objectives:

- 1) To improve supported partners' ability to
  - a) plan, manage, and carry out high-quality scientific research, [*Supported groups and networks*]
  - b) train high-quality postgraduates at the Master and PhD levels, [*ISP Success stories, Graduated students*]
  - c) disseminate research results at high-quality venues, [*ISP Success stories Publications, Conference contributions*]
  - d) on a longer term, use research results and acquired skills and engage in outreach activities having a favorable impact on society. [*Research findings & SDGs, Use of research results, Outreach*]
- 2) To improve the gender equality in supported research groups and networks. [*Gender*]
- 3) To increase supported partners' financial independence of ISP, with the ultimate goal of becoming self-sufficient and sustain on grants awarded in open competition. [*Expenditures: other funding*]
- 4) To make better use of previously supported partners in the development of new support. [*Challenges*]

### General strategies

- To support scientific research groups in partner countries to develop their research activities and postgraduate training. [*Supported groups and networks, Graduated students*]
- To support scientific networks, linking scientists in partner and other countries. [*Networks*]
- To facilitate partners' collaboration with better resourced host institutions. [*Networks*]
- To build on local, needs-based ownership of research activities and training, applying a collegial approach to collaboration, and with a focus of improving the local conditions for developing scientific activities. [*Supported groups and networks*]

### Strategies proposed in the 2013-2017 plan, that will continue

- To focus on supporting physics, chemistry and mathematics in present partner countries and to develop new collaboration in additional countries, where there is a need, and to promote interdisciplinary cooperation. *[Supported groups and networks]*
- To further increase the transparency in the “application by invitation” modality. *[Challenges]*
- To continue contributing to the enhancement of quality at all levels with supported partners, including establishment of a well-developed academic and scientific research culture. *[Publications, Conference contributions]*
- To continue increasing supported partner’s skills with regard to financial management. *[Expenditures]*
- To develop and implement guideline criteria for the phase out of ISP support. *[Challenges]*
- To refine the monitoring and evaluation of ISP’s performance to better show the results and the efficiency of the programme. *[Challenges]*
- To continue promoting gender equality among supported partners. *[Gender]*
- To continue increasing the visibility of the programme. *[ISP Success stories, Acknowledgements, Conferences, Outreach]*
- To continue supporting research groups in complementarity with Sida’s bilateral programmes and facilitate regional cooperation. *[Supported groups and networks]*
- To continue cooperation with other organisations to the benefit of the programme. *[TICA, SU, AIP, TheEPCenter, UPE]*

#### **New strategies 2019-2024**

- To develop and implement an instrument for systematic baseline assessment and chronology of capacity development stages with supported partners. *[Challenges]*
- To develop an instrument for periodical planning of progress expectations with supported partners at a time course over a number of support agreement cycles. *[Challenges]*
- To further develop the Terms of Reference for, and operation of, the Scientific Reference Groups to obtain a more coherent scientific review and support process. *[Challenges]*
- To clarify the possibility to budget postdoctoral activities within awarded allocations. *[Expenditures]*
- To increase the use of capacity built in research groups and networks to facilitate the strengthening of more recently introduced partners. *[Challenges]*

#### **4.3 How does ISP measure results?**

To improve monitoring and evaluation of supported groups and networks, ISP uses indicators (since 2010) to measure the results. These indicators apply a Results Based Management (RBM) approach.

In a meeting with Sida in 2018 it was agreed that the number of indicators would be reduced for the next agreement period. The Annual report 2020 was the first report using the revised indicators.

#### **The following indicators are kept:**

- d) Expenditures in relation to final yearly budgets.
- e) Yearly amount of funding granted from other sources than ISP.
- g) Gender proportion of staff.
- h) Gender proportion of PG students and graduates.
- i) Number of admitted students remaining or graduating/year.
- j) Duration of study of graduating PhDs, both total, and sandwich (SWH) and local (LOC) graduates.
- n) Total number of yearly scientific publications, and proportion in indexed journals.
- o) Total number of yearly conference contributions, and proportion international.
- p) Number of yearly Master’s graduations.
- q) Number of yearly Doctoral graduations.

**The following indicator is kept after revision:**

- c) ISP scientific reference group rating of received applications.

**The following indicators were abandoned (but ISP continues to collect data for internal use):**

- a) Number of applications received in relation to invitations.
- b) Number of applications granted in relation to submissions.
- f) Number of activities phased out of support yearly because sustainability has been achieved.
- k) Number of external scientific collaborators per group, and share international (I), regional (R), national (N) and local (L).
- l) Share of groups and networks stating to be fully or to a large extent satisfied with the access to equipment needed to carry out research.
- m) Measures recommended by ISP to reduce natural environmental impact that have been implemented. – ISP has revised the indicator and still publish results
- r1) Number and share of graduates having published results before thesis defense.
- r2) Number and share of graduates having published results two years after thesis defense.
- s) Total number of outreach activities reported and share of groups and networks reporting outreach activities.
- t) Total number of reported honors and share of groups and networks reporting honors.
- u) Total number of instances of use reported and share of groups and networks reporting instances of use.
- v) Share of graduates remaining in their home countries or regions after graduation.