



FASC Newsletter 10, November 2021

The big news this past month was the awarding of the Nobel Prize in Chemistry to two organic chemists. Awards to younger chemists was also noted - winners at the recent Commonwealth Chemistry poster event with many coming from African countries. This is the last call for papers for the Frontiers in Chemistry Journal (FASC 15th Anniversary edition) Read below for more details on the above highlights.

Neil Coville

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ABOUT FASC

Information for the newsletter

Please send all information to Beth (admin@faschem.org), Emmanuel C. Ohaekenyem (ec.ohaekenyem@unizik.edu.ng) or to me (neil.coville@wits.ac.za)

Beth has placed all earlier newsletters on the FASC website (<http://www.faschem.org/>).

Advertising in the FASC newsletter

The newsletter will provide a means of getting messages to our member countries. This newsletter thus provides a means of advertising employment opportunities, conferences and workshops, and even for companies/Universities to promote themselves. We encourage member countries to use the Newsletter for advertising purposes. All conferences and events will be advertised for free; if not a FASC country, or related event there could be a small charge. For advertising costs, contact Beth in the FASC office

FASC member countries

We are currently attempting to upgrade our country membership list. There is a small charge associated with membership. Please contact the treasurer, Prof Yonas Chebude for information (yonasc@faschem.org; yonasdb1@yahoo.com).

CHEMISTRY NEWS

FRONTIERS IN CHEMISTRY – SPECIAL VOLUME ON AFRICA

- i) *Frontiers in Chemistry* (<https://www.frontiersin.org/journals/chemistry>)

Deadline this month

Submission of a paper to the special edition of *Frontiers in Chemistry*: Celebration of the 15th Anniversary of FASC

To achieve this we have partnered with Frontiers in Chemistry (impact factor 3.69). It is our hope that as we enter the 15th year of FASC, we can showcase with Frontiers in Chemistry some of the excellent work produced by chemists on the African continent and elsewhere who have over the years been part of the FASC family to celebrate this continental organization.

Frontiers in Chemistry is an Open access journal and thus costs will be borne by the authors. We have however negotiated with Frontiers in Chemistry to obtain reduced rates for authors. Authors will need to negotiate the discounts directly with Frontiers in Chemistry, as the discounts will be country dependent. Details for this can be obtained from:

Lucy Chappel

Journal Specialist, Frontiers in Chemistry

Frontiers Editorial Office – Publishing Development

chemistry@frontiersin.org

We welcome submissions of Original Research, Review, Mini Review, and Perspective articles that address:

- Any area of chemical research from the African continent
- A focus on Green Chemistry, which has been a focal point of FASC meetings
- Exciting new results, recent work or topical reviews that provide insights to areas of chemistry where the authors have worked extensively

Prof James Darkwa

Guest editor

African Chemical Society News

i) FASC – ABCChem call for topic proposals



Atlantic Basin Conference on Chemistry

Linking the World Through Chemistry: 13-16th December, 2022, Marrakech, Morocco.

Submission Deadline: 28 October, 2021

Notification of acceptance by: 31st January 2022

The Organizing Societies of the Atlantic Basin Conference on Chemistry are pleased to announce that the [Atlantic Basin Conference on Chemistry](#) (ABCChem) will be held December 13–16th, 2022 in Marrakech, Morocco. The ABCChem Technical Programming Committee

invites symposium proposals related to the conference theme of “Linking the World Through Chemistry.”

Proposals may be submitted to the following topic areas: **Chemistry, Biology & Health; Green Chemistry; Materials & Nanochemistry; Education & Science Communication**

The program will highlight recent contributions by chemical scientists that have improved the quality of life in the Atlantic Basin and throughout the world, as well as identify opportunities and challenges for the future.

Please submit your proposal by **15th November**, 2021 at

<https://app.smartsheet.com/b/form/53064f9dc60d449abeb8e9180067accf>. The Technical

Programming committee will review the symposia proposal submissions and send acceptance notices by 31st January, 2022.

ii) **Kenya Chemical Society**

A letter was received from the ACS recognising the Kenya Chemical Society (KCS) on its “30th anniversary and (the) fruitful partnership between KCS and the U.S. Department of State's Bureau of International Security and Non-proliferation (ISN)”. Well done To Dr Gitu and his team.



FASC

Federation of African Societies of Chemistry



United States Department of State
Washington, D.C. 20520

October 4, 2021

Dr. Leonard Gitu
Chairman of the Kenya Chemical Society
Technical University of Kenya
Department of Chemical Science and Technology

Dear Dr. Gitu,

I write to congratulate the Kenya Chemical Society (KCS) on its 30th anniversary and recognize the fruitful partnership between KCS and the U.S. Department of State's Bureau of International Security and Nonproliferation (ISN).

The ISN Office of Cooperative Threat Reduction's Chemical Security Program (CSP) would like to acknowledge KCS's remarkable advance, from a former recipient of its chemical security trainings to partnership as an implementer and remarkable achievements in advancing chemical security in Kenya and beyond. KCS has been a champion of chemical security on the African continent for over a decade and has inspired a number of partners in other African countries, such as chemical societies in Somalia and Nigeria, to undertake similar initiatives with KCS mentorship. KCS has also opened doors to critical foreign partners – including those in academia, the chemical industry, civil society, and the first responder community – and facilitated numerous CSP capacity-building engagements that would have otherwise been extremely difficult, if not impossible.

ISN's Office of Weapons of Mass Destruction Terrorism (WMDT) would also like to applaud KCS for its leadership in the chemical security field and express appreciation for fruitful collaboration on a recent training on enhancing security for sensitive chemical information. WMDT looks forward to further partnering on efforts to prevent terrorists and non-state actors from acquiring and using chemicals to perpetrate WMD attacks.

The U.S. Department of State values your expertise, acknowledges your efforts, and commends your commitment to championing chemical security and protecting international norms. We look forward to continuing our collaborative partnership with KCS to advance our shared objective of strengthening chemical security for a safer world.

With best wishes for your continuous success.

Sincerely,

Phillip R. Dolliff
Deputy Assistant Secretary for
International Security & Nonproliferation Programs

Nobel Prize in Chemistry 2021

Many article have appeared on the award of the 2021 Nobel Prize in Chemistry to

Below are some sites for those interested in reading about this year's winners (Benjamin List and David MacMillan) for their work on the development of asymmetric organocatalysis

https://cen.acs.org/people/nobel-prize/Asymmetric-organocatalysis-List-MacMillan-Nobel-Prize-Chemistry-organic-synthesis/99/web/2021/10?utm_source=Newsletter&utm_medium=Newsletter&utm_campaign=CEN

IUPAC

i) IUPAC 2021 Top Ten Emerging Technologies in Chemistry

Research Triangle Park, NC, USA, 18 October, 2021: The International Union of Pure and Applied Chemistry (IUPAC) has released the results of the search for the 2021 Top Ten Emerging Technologies in Chemistry. The goal of this project is to showcase the transformative value of Chemistry and to inform the general public on the potential of the chemical sciences to foster the well-being of Society and the sustainability of our Planet. The Jury, a selection of international experts, identified different emerging technologies, scientific advances in between a discovery and a fully-commercialized idea, with

outstanding potential to open new opportunities in chemistry, sustainability, and beyond.

Note that this year's Nobel Prize in Chemistry was **awarded to Benjamin List and David MacMillan** *for the development of asymmetric organocatalysis* - one of the Top Ten Emerging Technologies in Chemistry selected in 2019. Freely-available in the IUPAC journal *Pure and Applied Chemistry* is a special topic paper by List entitled "Organocatalysis Emerging as a Technology," see: <https://doi.org/10.1515/pac-2021-0501>.

The 2021 finalists are (in alphabetical order):

- Artificial humic matter from biomass
- Blockchain technology
- Chemiluminescence for biological use
- Chemical synthesis of RNA and DNA
- Semi-synthetic life
- Single cell metabolomics
- Sonochemical coatings
- Superwettability
- Sustainable production of ammonia
- Targeted protein degradation

IUPAC Vice President, Professor Javier García Martínez, said that "In the last months, we have witnessed how vital chemistry is in facing and overcoming our most pressing challenges. Moving forward, these threats will only be more complex and unpredictable. In this regard, the recent IPCC report alerts us to the risk posed by climate change for our survival. With the Top Ten Emerging Technologies in Chemistry, IUPAC provides a fresh look at technologies that are already creating new opportunities and opening new avenues for research and industry. I hope this year's edition arouses the same interest and attention as previous IUPAC Top Ten selections."

The 2021 Top Ten Emerging Technologies in Chemistry are further detailed in an open-access feature article published in the October issue of 'Chemistry International'. Fernando Gomollón-Bel, the author, remarks: "While highlighting breakthroughs for a circular, climate-neutral future, the selected IUPAC Top Ten technologies will change our world for the better, making a more thoughtful use of our resources, favoring more efficient transformations, and providing more sustainable solutions in applications."

The article is freely-available at the following link: [https:// bit.ly/IUPACTop2021](https://bit.ly/IUPACTop2021).

The Jury* was an international group of objective and unbiased experts who reviewed and discussed a pool of nominations, and ultimately selected the final top ten.

The first selection of Top Ten Emerging Technologies in Chemistry was released in 2019 as a special activity honoring IUPAC's 100th anniversary; the results were published in the April 2019 (*Chemistry International*, 41(2), pp. 12-17, 2019; <https://doi.org/10.1515/ci-2019-0203>). The 2020 results were published in October 2020 (*Chem. Int.* 42(4) pp. 3-9, 2020; <https://doi.org/10.1515/ci-2020-0402>).

The next search for the Top Ten Emerging Technologies in Chemistry has already begun and will be led again by Prof. Dr. Michael Droescher, Treasurer and General Secretary of the German Association for the Advancement of Science and Medicine. Droescher served as a judge for the initial search and as chair of the Jury for both the 2020 and 2021 searches. For more information on the search for the 2022 Top Ten Emerging Technologies in Chemistry go to: <https://iupac.org/what-we-do/top-ten/>.

*The following comprised the panel of judges for the 2021 Top Ten Emerging Technologies in Chemistry: Chair, Michael Droescher, (German Association for the Advancement of Science and Medicine), Jorge Alegre-Cebollada (Centro Nacional de Investigaciones Cardiovasculares, Spain), Sophie Carencu (French National Center for Scientific Research, France), Javier García Martínez (Universidad de Alicante, Spain), Ehud Keinan (Technion, Israel), Rai Kookana (CSIRO Land & Water, Australia), Greg Russell (University of Canterbury, New Zealand), Ken Sakai (Kyushu University, Japan), Natalia P. Tarasova (D. I. Mendeleev University of Chemical Technology, Russia), and Bernard West (Life Sciences Ontario, Canada). Many thanks to Bonnie Lawlor for all her valuable corrections and contributions that enhanced the quality of this article.

Fabienne Meyers

IUPAC Associate Director and Editor, Chemistry International, <mailto:fabienne@iupac.org>

International Year of Basic Sciences for Sustainable Development

Honduras will sponsor IYBSSD at the UN

Yolannie Cerrato, deputy permanent representative of Honduras at the United Nations, announced during the latest Steering Committee meeting that her country will sponsor a resolution for the proclamation of 2022 as the International Year of Basic Sciences for Sustainable Development during the next session of the UN General Assembly.

<https://www.iybssd2022.org/en/home/>



Younger Chemists' News

i) African Young Chemists Network (AYCN)

The African Younger Chemists Network (AYCN) seeks to display the unique talents of young researchers on the continent and to provide a platform for constructive career development and engagements across the globe.

Contact email: aycn.chemists@gmail.com; Contact people: Ms Bianca Davids, Dr Sadhna Mathura

ii) International Young Chemists Network (IYCN)

Professional Development Skills: The International Younger Chemists Network (IYCN; <https://www.iycnglobal.com/>), affiliated organization of the International Union of Pure and Applied Chemistry (IUPAC) is organizing a **series of FREE live workshops** devoted to support and empower early-career chemists with **professional development skills** to advance their careers.

Stephen O Aderinto: soaderinto1@sheffield.ac.uk

Commonwealth Chemistry

i) Webinar: Taking Chemistry to Market – a virtual free to attend webinar; 23 November 2021, 13:00 GMT

Following the success of our webinar on gender parity in the chemical sciences earlier this year, Commonwealth Chemistry are organising a second webinar: Taking Chemistry to Market. This important topic was originally intended to be a key component of Commonwealth Chemistry's inaugural physical Congress in 2020, and we are delighted to be able to run the session for anyone based in the Commonwealth.

Attendees will enhance their knowledge of this non-technical area by hearing from an expert panel about their experiences of turning their knowledge, skills and research in the chemical sciences into viable and exciting businesses around the world. They'll be opportunities to submit questions to the panel, both live and ahead of time.

This event is **open to all and is free to attend**, so please promote this opportunity to your members and contacts.

We have created promotional material including imagery and pre-written text for social media, emails or newsletters that you may wish to use to promote the event within your membership. You can find these items on the [Commonwealth Chemistry website](#). These can be used either

directly or with your own chosen words to share the invitation with your communities. We hope that you find these materials useful.

Please note that you will need to enter the following password to access the promotional materials webpage.

Password: Commonwealth23

Many thanks for your help in promoting Taking Chemistry to Market and we look forward to seeing you there.

Ale, Sarah and Rachel
Commonwealth Chemistry Secretariat

ii) Poster Prize winners from the 2nd Commonwealth Chemistry Posters event – Building Networks to Address the Goals, 30th September – 1st October, 2021

Poster prize winners in poster number order. No ranking of posters is implied, all winners are equal. As will be seen many winners from African countries

Poster number	Poster presenter	Country	Poster title
P05	Benard Nkole	Zambia	Chemical changes in the quality of reused sunflower oil under deep frying cooking methods
P06	Lisa Pilkington	New Zealand	Chemometric analysis of alternative plant-based milks
P12	Olawale Osifeko	Nigeria	Comparative study of proximate and organochlorine pesticide residue of local and imported Rice (<i>oryza sativa</i>)
P22	Uzma Hira	Pakistan	Thermoelectric Properties of Bi-doped Ba ₂ CoRuO ₆ Double Perovskite Oxides for Efficient Energy Harvesting
P26	Stefan Ghany	Trinidad and Tobago	Utilizing environmentally-friendly copper-based chalcogenide colloidal quantum dot films for more spectrally adapted efficient greenhouses for improved crop yield
P38	Charlie Ruffman	New Zealand	Hydrogen fuel production on MoS ₂ nanotubes
P53	Zeyar Min	Jamaica	X-Ray Powder Diffraction Peak Predictor for Characterization of Isoreticular Metal-Organic Frameworks: An Online Resource
P55	Hunain Ali	Pakistan	Furan-Conjugated Peptidomimetic as Potentially Selective Inhibitor of HeLa Cancer Cell Lines
P57	Deepika Charu	Australia	Integrated analyses of phototrophic biomass production and pigment accumulation in microalgae and cyanobacteria

P59	Daniel Moscoh Ayine-Tora	Ghana	Identification of novel Atg3-Atg8 inhibitors using virtual screening for autophagy modulation
P65	Daniel Nyongesa	Kenya	α -Amylase and α -glucosidase inhibitors from <i>Zanthoxylum chalybeum</i> root bark
P79	Stevine Claudiale Popwo Tameye	Cameroon	Ficusanolide A and ficusanolide B, two new cinnamic acid derivative stereoisomers and other constituents of the stem barks of <i>Ficus exasperata</i> Vahl. (Moraceae)
P83	Holly Bonfield	United Kingdom	Expanding the scope of asymmetric redox-relay oxidative Heck transformations
P89	Bharat Kumar Allam	India	Nickel-Catalyzed Decarboxylative C–Si Bond Formation: A Regioselective Cross-Coupling Between Trialkyl Silanes and α,β -Unsaturated Carboxylic Acids
P107	Sodeeq Aderotimi	South Africa	Passerini Reaction in Aqueous Media: A Practical and Convenient Method for the Synthesis of Novel α -Acyloxycarboxamides
P109	Zheng Wei Wong	Malaysia	Development of a Simple Optical Nanobiosensor for Early Detection of Breast Cancer
P120	Erin Giroux	Canada	Comparative assessment of the binding affinities of SARS-CoV-2 proteins to Ni-NTA surfaces
P128	Sian Ramdass	Trinidad and Tobago	Phytochemical screening and <i>in-vitro</i> assessment of the cytotoxic potential of extracts from a commercially prepared fruit skin using PC-3 prostate cancer cells
P131	Medha Jaimini Gunaratna	Sri Lanka	Synthesis and evaluation of <i>syn</i> and <i>anti</i> isomers of N-substituted indole-3-carbaldehyde oxime derivatives as urease inhibitors against <i>Helicobacter pylori</i>
P141	Bellah Oreeditse Pule	Botswana	Dual-use Chemical: From an awareness and safety perspective
P149	Samson Oluwagbemiga Alayande	Nigeria	Photocatalytic Activity of Mixed Matrix Membranes for Degradation of Anionic Dye in Water Waste
P152	Rachel Rui Xia Lim	Singapore	Analysis of lipopolysaccharides by coupling microscale solid-phase extraction with capillary electrophoresis-laser induced fluorescence
P154	Victoria Porley	United Kingdom	Photocatalysis for Water Treatment in Rural India
P159	Adedapo Adeola	South Africa	Regenerable Graphene Wool for the Removal of Selected Polycyclic Aromatic Hydrocarbons from Contaminated Water

P163	Patrick Ssebugere	Uganda	Polycyclic aromatic hydrocarbons in sediments and fish species from the White Nile, East Africa: Bioaccumulation potential, source apportionment, ecological and health risk assessment
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Royal Society of Chemistry News



i) GSK/RSC Hands-On LCMS & GCMS Training Courses

Rescheduled dates for 2021

We are now underway with the rescheduled Royal Society of Chemistry and GSK Hands-On LC-MS (Liquid Chromatography with Mass Spectrometry) and GC-MS (Gas Chromatography with Mass Spectrometry) training courses for 2021.

Applications have now closed for the courses in November in Ethiopia and Nigeria. Please check our website for updates on the LCMS course in Ghana, date yet to be confirmed. Priority will be given to those who were accepted to attend the cancelled 2020 courses. Please see the timetable below for forthcoming courses. Further updates will be sent when applications open for the final course over the coming weeks and full details will be provided on www.rsc.org/events/africa. Please email Africa@rsc.org with any enquiries.

Course Type	Location	2021 Dates
GCMS	Ethiopia	8 - 12th Nov 2021
GCMS	Nigeria	15 – 19 Nov 2021
LCMS (Extra)	Ghana	Nov/Dec 2021 (provisional dates)

PACN is on LinkedIn. Please also follow us on our LinkedIn page for updates and news from the PACN: <https://www.linkedin.com/groups/1900756/>

ii) Funding opportunities for RSC members RESEARCH FUND

The next round of our Research Fund is opening for applications on 1 November and closes at 2pm (UK time) on 13 December. This grant provides up to £4,000 to enable new and disrupted projects for members (AMRSC or above) with limited access to research funding, particularly those working in less well-funded institutes, those in developing countries and early career researchers. For more detailed information, the T&Cs and to apply please visit <https://rsc.li/research-fund>.

RESEARCHER DEVELOPMENT GRANTS

If you're a PhD student or post-doctoral researcher, you can apply for a researcher development grant of up to £250 towards undertaking an activity that will support your research career. Applications are being processed monthly, with the next deadline at the end of this month. For more information and to apply please visit <https://rsc.li/researcher-development-grant>.

AFRICAN JOURNALS OF CHEMISTRY

Journals in Africa (Chemistry)

Scientific African

Published by the [Next Einstein Forum](#) in collaboration with Elsevier.

<https://www.journals.elsevier.com/scientific-african>

Journal of the Kenya Chemical Society (JKCS)

JKCS also publishes articles in all areas of chemistry. Published articles are available at <https://kenyachemicalsociety.org/journals>. Manuscripts should be submitted to the Editor-in-Chief at eic.jkcs@gmail.com for processing and peer-review.

Chemistry Africa.

A Journal of the Tunisian Chemical Society

https://www.springer.com/chemistry/journal/42250?utm_source=hybris&utm_medium=email&utm_content=internal&utm_campaign=JFTT_2_aww_2018newjournals

After indexation in Emerging Sources Citation Index (ESCI) , the journal has been accepted for indexation in

Scopus: <https://suggestor.step.scopus.com/progressTracker/index.cfm?trackingID=44F06B71BDE55A0D>

Three Special issues open for submission

* *Sustainable Future of Polymers*

Saroj Shukla, Guest Editor & Mohamed Chehimi, co-editor

See: <https://www.springer.com/journal/42250/updates/19597276?detailsPage=societies>

* *Hexavalent chromium: Sources, Toxicity & Remediation*

Bidyut Saha, Aziz Amine, Francis Verpoort (Editors)

See: <https://www.springer.com/journal/42250/updates/19260984?detailsPage=societies>

* *Carbonaceous chars*

<https://www.springer.com/journal/42250/updates>

Mohamed Mehdi Chehimi

Executive Editor-in-Chief of Chemistry Africa

Journal of the Mauritanian Chemical Society (JMCS)

Publishes research articles and conference proceedings in English or French. This is published online at: <http://www.scmauritania.org/journal-scm>; M A Sanhoury, JMCS Coordination Editor.

South African Journal of Chemistry

This Journal is published electronically. The webpage is: <http://www.saci.co.za/>. Details of the journal and the editors can be seen at <http://www.journals.co.za/sajchem/>. The South African Journal of Chemistry, published by the South African Chemical Institute, has been publishing high quality papers, in all fields of Chemistry for over 100 years. The Journal went

fully electronic in 2000 and is freely available through open access online (http://reference.sabinet.co.za/sa_epublication/chem).

African Corrosion Journal (online).

Commenced in 2015 – a peer reviewed corrosion journal. This journal may be of interest to the “practical” chemists amongst the SACI membership. <https://view.publitas.com/icp-1/african-corrosion-journal>

African Journal of Chemical Education

Below are listed the contents in the 2nd issue of AJCE 2021. The online version is to be found on the FASC website (www.faschem.org, under Journal) and the AJOL website (www.ajol.info).

The table of contents is listed below:

Enquiries and manuscripts should be addressed to the Editor-in-Chief: email

eic@faschem.org, PO Box 2305, Addis Ababa, Ethiopia.

Dr. Temechegn Engida e-mail: temechegne@faschem.org

South African Journal of Science TOC@assaf.org.za

Journal of the Chemical Society of Nigeria

csnjournals@gmail.com; csnjournals@yahoo.com; editor@chemsocnigeria.org

Bulletin of the Chemical Society of Ethiopia

<http://www.ajol.info/index.php/bcse/index>

South African Journal of Chemical Engineering

A fully open access journal <http://www.journals.elsevier.com/south-african-journal-of-chemical-engineering/>

African Journal of Pure and Applied Chemistry

Editorial Office: ajpac@academicjournals.org help desk: helpdesk@academicjournals.org;

URL: www.academicjournals.org/journal/AJPAC

CONFERENCES/WORKSHOPS

Upcoming events

- i) **AfLS3-2012:African Light Source ePCCr:Pan-African conference on Crystallography Online AfPS-2-21:Africa Physical Society; 15th -19th November 2021**
conference@africanlightsource.org
- ii) **Moroccan Association of Catalysis and Environment – AMCE, November 23-25, 2021** <http://amcemorocco.com/>
- iii) **Mauritanian Chemical Society; 3rd International Chemistry Days, JIC 2021**
Mauritanian Chemical Society will be organising its third International Chemistry Days, JIC 2021 (3^{èmes} Journées Internationales de Chimie) from 9-11 December 2021, Tfeila Hotel, Nouakchott, Mauritania. Further information can be found at: <http://www.scm Mauritania.org/jic2021/>
- iv) **XVth International Symposium on Environment, Catalysis and Process Engineering 23 -25 November 2021 Marrakech, Morocco**

- v) **26th IUPAC International Conference on Chemistry Education**, 18-22 July 2022, Cape Town
- vi) **African Materials Research Society (AMRS 2021)** 12-15 Dec 2022, Dakar, Senegal
www.africanmrs.net
- vii) **ABC Chemistry conference** 13-16 Dec 2022, Marrakech, Morocco

Detailed conference information

- i) **AfLS3-2012:African Light Source ePCCr:Pan-African conference on Crystallography Online AfPS-2-21:Africa Physical Society**



FASC

Federation of African Societies of Chemistry

THE AFRICAN LIGHT SOURCE (AfLS3-2021) CONFERENCE

Conference planned and hosted by X-Tech Lab

Virtual meeting 15th – 19th November 2021
held jointly with the
The African Physical Society (AfPS) and Pan-African Crystallographic (ePCCR)

Conference Venue:
Virtual: Zoom details will be sent by email to registered participants

Web Pages
AfLS3-2021 Conference: <https://events.sain.org.za/event/170/>
AfPS Conference: <https://www.africanphysicalsociety.org>

THE AFRICAN LIGHT SOURCE CONFERENCE IS OPEN TO AFRICAN SCIENTISTS, COLLEAGUES, STUDENTS WHO HAVE UTILISED LIGHT SOURCES, AND FRIENDS OF AFRICA WHO SUPPORT THE VISION FOR AN AFRICAN LIGHT SOURCE.

CONFERENCE TOPICS
Medical Sciences, Heritage Sciences, Geosciences, Environmental sciences, Energy Sciences, Nano Sciences, Materials Sciences, Mineral Sciences, Accelerator and Detector Sciences, Competitive Industry, Capacity Building, Infrastructures, Strategy and Vision for the AfLS.

INTERNATIONAL ORGANISING COMMITTEE
Marielle Aghahourghata (Co-Chair), XTech Labs, Seme City, BENIN
Thierry d'Almeida (Co-Chair), CEA, FRANCE
Tabbatha Dobbins, Rowan U, USA
Saphina Bira, Busitema U, Uganda
Simon Connell, U Johannesburg, SA
David Dodoo-Arhin, U Ghana, Ghana
Michel Fodje, Canadian Light Source
Dioniso Kabor, U Ziguinchor, Senegal
Nkem Khumbah, U Michigan, USA
Abram Ledbetter, Brookhaven National Laboratory
Sekazi Mtingwa, TriSEED Consultants, USA
Prosper Ngabonziza, MPG, Rwanda
Peter Ngene, Utrecht U, The Netherlands
Lawrence Norris, AIPS, USA
Bjorn Von der Heyden, U Stellenbosch, SA

Conference Secretariat
AfLS: conference@afrikanlightsource.org

Additional partners:

ii) Moroccan Association of Catalysis and Environment – AMCE

Conference Dates: November 23-25, 2021

Abstract Submission Opens: October 29, 2020

Registrations Opens: November 02, 2020

Phone : 00212.661.081.734

Website: <http://amcemorocco.com/>

Dear ECGP Participant,

The Moroccan Association of Catalysis and Environment (AMCE) and United Scientific Group (A non-profit organization) cordially invites you to participate in ECGP'15-2021. It is the first time in 15 years AMCE together with USG A non-profit organization based from Texas, USA. The purpose of this innovative and comprehensive forum is to introduce the latest research and development on Environment, Catalysis and Process Engineering as well as their applications.

*Regards,
ECGP Conference Secretary*

IMPORTANT DATES

First Round of Abstract Submission Ends: **January 26, 2021**

Early Bird Registration: **Before January 28, 2021**

Second Round of Abstract Submission: **After January 26, 2021**

Mid-term Registration: **After January 28, 2021**

SESSION TOPICS: THE THEMES THAT WILL BE TREATED IN THIS SYMPOSIUM

Liquid phase and gas phase catalysis applied to the environment

Quality of water resources (Chemical Analysis, Biological Analysis impact of pollution)

Other Treatment Processes (Membrane; oxidation, Biological)

VOCs and Solid Waste

Air quality

Odor Treatment

Chemical Engineering applied to the Environment

Green Chemistry

: causes and consequences

Management of water resources at the basin scale

ECGP Chair: Prof. Abdelhak Kherbeche University Of Sidi Mohamed Ben Abdellah, Fez - Morocco

Conference Secretary: Rajendranath Sunkara

Organizer: Moroccan Association of Catalysis and Environment

Co-organizer: United Scientific Group (A non-profit organization)

Moroccan Association of Catalysis and Environment - AMCE

abdelhak.kherbeche@usmba.ac.ma

- iii) **XVth International Symposium on Environment, Catalysis and Process Engineering (23 - 25 November 2021 | Marrakech, Morocco)**



Conference Dates: November 23-25, 2021

Abstract Submission Opens: October 29, 2020

Registrations Opens: November 02, 2020

Contact info: Abdelhak.kherbeche@ecgpmorocco.com; 00212-661-081-734



iv) **26th IUPAC International Conference on Chemistry Education**



26th IUPAC International Conference on Chemistry Education
18-22 July 2022
 Responding to 21st century imperatives in chemistry education

FIRST ANNOUNCEMENT

ICCE 2022 Cape Town (to be held on) 18 - 22 July 2022
www.icce2022.org.za

We are pleased to announce that the **26th IUPAC International Conference on Chemistry Education, ICCE 2022**, will be organized as a face-to-face meeting. This decision was taken by the IUPAC Committee on Chemistry Education during its meeting on 12 August 2021 and will be confirmed by the organisers no later than the end of January 2022. If it is deemed impossible to conduct a face-to-face meeting the conference will be converted to a virtual meeting.

THEMES FOR THE MEETING



1. Curriculum and assessment reform initiatives

This theme addresses the need for curriculum and assessment reform at the secondary and tertiary levels of chemistry education, especially reform initiatives triggered by the COVID-19 pandemic. It includes context-based and problem-based learning, curriculum design informed by learning theories, and authentic assessment of chemistry knowledge, skills, and practices.



2. Rethinking laboratory training post-COVID-19

While the pandemic has restricted students' access to laboratory training, educators have had to rethink the goals, practices, and assessment of laboratory learning. We invite contributions that address the pedagogic goals for laboratory work, the role of preparation, the teaching of technique, and the consideration of affective dimensions of learning in the laboratory.



3. Effective instruction in the online environment

Remote teaching and learning have become the norm during the pandemic. This theme provides scope for studies interrogating issues of effectiveness, equity, pedagogy, and quality assurance in the online environment.

The Covid-19 pandemic has led to profound changes in the way we work and live. The current steep increase in cases as well as the uncertainty about international travel means that it is no longer feasible to host the 26th IUPAC International Conference on Chemistry Education in Cape Town in January 2021. The IUPAC Committee for Chemistry Education has agreed to a further postponement of the conference to July 2022. The conference will be known as **ICCE 2022**. Preliminary information about **ICCE 2022** is given below.

Dates: 18-22 July 2022

Venue: Lagoon Beach Hotel and Conference Venue

Please address any questions to icce2022@allevents.co.za and consult the website, <https://www.icce2022.org.za/>, for regular updates.

The Local Organising Committee for ICCE 2022

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Event Organiser office: +27 (0)21 712 0571

email: icce@eventmanagementsolutions.co.za

v) **ABC Chemistry Conference 2022**

The conference date has been moved to December 2022. It will be held at the Palais des congrès –Marrakech, Morocco. FASC will be hosting the event.

We are hoping to have an excellent turnout from African member countries at this event. More information will be made available in the months ahead.



Federation of African
Societies of Chemistry