



## FASC Newsletter 9, October 2021

A number of FREE courses geared to the training of young career chemists are on offer and are listed below (Writing research papers and scientific blogs; Training Workshop on Nanotechnology and its Applications for Sustainable Cities and Coasts). There are also many free webinars given by companies that deal with specialised topics that can be found on the web. Also – see the request for associate editors for *Chemistry Africa*.

Neil Coville

### Content

#### ABOUT FASC

- **Information for the newsletter**
- **Advertising in the FASC newsletter**
- **FASC member countries**

#### CHEMISTRY NEWS

- **Frontiers in Chemistry**
- i) Submission of a paper to the special edition of *Frontiers in Chemistry*
- **African Chemical Society news**
- i) FASC – ABCCChem call for proposals
- ii) Nanotechnology research in Nigeria
- iii) Mauritanian Chemical Society
- **Report: IUPAC Post-graduate Summer School on Green Chemistry**
- **Green and Sustainable Chemistry – submission of articles from African chemists**
- i) IUPAC book on Green Chemistry
- **International Year of Basic Sciences for Sustainable Development**
- **Younger Chemist's news**
- i) African Young Chemists Network (AYCN)
- ii) International Young Chemists Network (IYCN)
- iii) Training courses : A workshop on writing research papers and scientific blogs
- iv) Training Workshop on Nanotechnology and its Applications for Sustainable Cities and Coasts
- v) Free Micromeritics webinars on surface science
- **Royal Society of Chemistry News**
- i) GSK/RSC Hands-On LCMS & GCMS Training Courses

#### AFRICAN JOURNALS

African Journals of Chemistry

#### CONFERENCES/WORKSHOPS

- i) AfLS3-2012:African Light Source ePCCr:Pan-African conference on Crystallography Online AfPS-2-21: Africa Physical Society
- ii) Moroccan Association of Catalysis and Environment – AMCE
- iii) Mauritanian Chemical Society
- iv) IUPAC CHEMRAWN XXII E-waste in Africa conference
- v) XV<sup>th</sup> International Symposium on Environment, Catalysis and Process Engineering
- vi) 26th IUPAC International Conference on Chemistry Education
- vii) African Materials Research Society (AMRS) Dakar, Senegal.
- viii) ABC Chemistry conference 2022
- ix) 2nd EAC Regional Science, Technology and Innovation Conference

## DETAILED CONFERENCE INFORMATION

## ABOUT FASC

### Information for the newsletter

Please send all information to Beth ([admin@faschem.org](mailto:admin@faschem.org)), Emmanuel C. Ohaekenyem ([ec.ohaekenyem@unizik.edu.ng](mailto:ec.ohaekenyem@unizik.edu.ng)) or to me ([neil.coville@wits.ac.za](mailto: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](mailto:yonasc@faschem.org); [yonasdb1@yahoo.com](mailto:yonasdb1@yahoo.com)).

## CHEMISTRY NEWS

### FRONTIERS IN CHEMISTRY – SPECIAL VOLUME ON AFRICA

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

**Submission of a paper to the special edition of *Frontiers in Chemistry*: Celebration of the 15<sup>th</sup> 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](mailto: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: 13-16<sup>th</sup> 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 13–16<sup>th</sup>, 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**

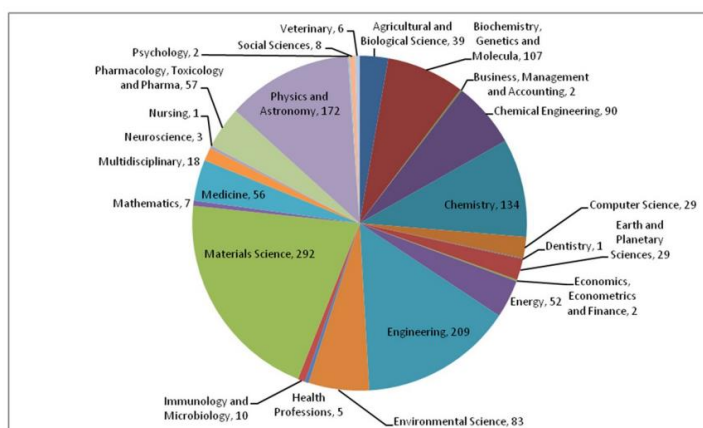
The program will highlight recent contributions by chemical scientists that have improved the quality of life in the Atlantic Basin and throughout the world, as well as identify opportunities and challenges for the future.

Please submit your proposal by 28th October, 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) Nanotechnology research in Nigeria

A recent publication summarizes developments in Nanotechnology in Nigeria between 2010 and 2020. A pie diagram taken from the article is shown in the Figure below.



*J Nanopart Res (2021) 23:211 <https://doi.org/10.1007/s11051-021-05322-1> A decade of nanotechnology research in Nigeria (2010–2020): a scientometric analysis*  
 A. Lateef · M. A. Azeez · O. B. Suaibu · G. O. Adigun

## Green and Sustainable Chemistry – submission of articles from African chemists

Green and Sustainable Chemistry is an important theme in FASC.

### i) IUPAC book on Green Chemistry

**CALL FOR CONTRIBUTIONS**

**FOR A BOOK ON**

**GREEN CHEMISTRY IN SUB-SAHARAN AFRICA**

(IUPAC PROJECT 2021-005-1-041, <https://iupac.org/project/2021-005-1-041>)

## 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](mailto: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](mailto:soaderinto1@sheffield.ac.uk)

#### iii) Training courses : A workshop on writing research papers and scientific blogs

# Early Career Researcher development in Africa through writing and mentoring workshops

## **Introduction for Programme**

Michael Watts and Andrea Mills (UK)  
Odipo Osano (Kenya)  
Akinade Olatunji (Nigeria)  
Christian Hartmann and Naoise Nunan (France)

**Funded by the British Academy**

**Supported by the Society for Environmental Geochemistry and Health**

Friday 1st October, this coming Friday: **Time: 9:30 - 12:00 UK time**

**The session will last for about 2 hours depending on question time and can be open to participants other than the writing workshop.**

**Join Zoom Meeting; Password: 240614; Meeting URL: Join our Cloud HD Video Meeting**

*Mohamed Chehimi, CNRS, France, Executive EiC of Chemistry Africa*

### **iv) Training Workshop on Nanotechnology and its Applications for Sustainable Cities and Coasts**

<https://blog.wiomsa.net/2021/09/01/call-for-applications-training-workshop-on-nanotechnology-and-its-applications-for-sustainable-cities-and-coasts/>

<https://t.co/JeQtJu566V?amp=1>

[https://twitter.com/Cities\\_n\\_Coasts/status/1433031568860360714?s=20](https://twitter.com/Cities_n_Coasts/status/1433031568860360714?s=20)

Nanotech Futuristic Solutions and the WIOMSA Cities and Coasts project are pleased to announce the call for applications for a workshop on **Nanotechnology and Its Applications for Sustainable Cities and Coasts**, that will take place in Johannesburg South Africa on 29 November- 4 December 2021.

This training workshop will equip professionals and practitioners from various fields with fundamental tools of nanoscience and will make them better prepared in implementing and utilizing nanotechnology in marine science, city planning, science policy advocacy and renewable energy systems. By offering practical sessions on the application of nanotechnology, the training provides a first-hand experience on nanotechnology and helps to close the gap in its potential uses in diverse fields. This will enable the development of policies for better management of wastewater and building of smart green cities. The nanotechnology trainees will act as a think tank for the much-needed advancement and expertise of nanotechnology within the Western Indian Ocean region and the African continent.

The training is open to participants from the Western Indian Ocean members states in Africa and the adjacent island states and targets advocacy experts, marine scientists, city planners, university postgraduate students and engineering professionals who are interested in nanotechnology.

The deadline for applications is **30 September 2021**. Applications should be sent to [secretary@wiomsa.org](mailto:secretary@wiomsa.org), copied [v.ochanda@wiomsa.org](mailto:v.ochanda@wiomsa.org) and [nanotechfuturistic20@gmail.com](mailto:nanotechfuturistic20@gmail.com). Download the [call and application requirements](#).




## Training Course: Nanotechnology and Its Applications for Sustainable Cities and Coasts

**29<sup>th</sup> November – 4<sup>th</sup> December 2021, Johannesburg, South Africa**

**Overview**  
Nanotechnology, the manipulation of matter at the atomic and molecular scale to create materials with remarkably varied and new properties, is a rapidly expanding area of research with huge potential in many sectors. This training workshop will equip professionals and practitioners from various fields with fundamental tools of nanoscience and will make them better prepared in implementing and utilizing nanotechnology in marine science, city planning, science policy advocacy and renewable energy systems. By offering practical sessions on the application of nanotechnology, the training provides a first-hand experience on nanotechnology and helps to close the gap in its potential uses in diverse fields. The training provides a platform for the advancement of technological research and its development for utilization in cities and coasts. This enables the development of policies for better management of wastewater and building of smart green cities. The nanotechnology trainees will act as a think tank for the much needed advancement and expertise of nanotechnology within the Western Indian Ocean (WIO) region and the African continent.

**Aims & Objectives**  
The training will focus on the fundamentals of nanotechnology and its applications in the design of sustainable cities and coasts and in plastic waste and wastewater management. Challenges associated with applications of nanotechnology will be explored and the course will enhance scientific dialogue and strengthen the scientific collaboration among researchers in the WIO region.

**Course Topics**

- Nanotechnology for Urban planning of coastal cities
- Introduction to nanotechnology and nanomaterials
- Instrumental methods for analysing nanomaterials
- Conversion of plastics to low-cost building materials
- Application of nanotechnology for sustainable manufacturing processes
- Applications of nanotechnology in wastewater treatment
- Application of nanotechnology in the environment and energy sector
- Applications of Bio-nanotechnology
- Exploring problems associated with nanotechnology

**Target Audience**

- Target audience includes, but is not restricted to, scientific researchers, science advocacy experts, marine scientists, city planners, University postgraduate students and engineering professionals who are interested in nanotechnology.
- NOTE: This call applies to participants from the Western Indian Ocean Members States in Africa and the Adjacent Island States.

**Course pre-requisites**

- Interest in working in nanotechnology and sustainable cities and coasts
- Good Working knowledge of English language
- Computer IT skills; participants required to bring their personal laptops

**Outcome**  
A research communiqué will be drafted to guide on the application of nanotechnology in establishing sustainable cities and coasts.

**Duration: 5 working days**  
(~20 hours classroom sessions and 10 hours practical sessions Including an assessment at the end of the course). Participants must attend all sessions.

**Training Venue:**  
Mintek, 200 Malibongwe Drive, Strijdom Park, Randburg, 2194, Johannesburg, South Africa

**Application Process:**  
Interested applicants are required to fill online form by 30<sup>th</sup> September 2021:  
<https://forms.gle/1P3aXPZV7uDwBLCNA>  
And send a résumé to: [nanotechfuturistic20@gmail.com](mailto:nanotechfuturistic20@gmail.com)  
cc: [v.ochanda@wiomsa.org](mailto:v.ochanda@wiomsa.org) and [secretary@wiomsa.org](mailto:secretary@wiomsa.org)

**Lecturers:**

- Prof. Neil Coville
- Prof. Sabelo Mhlana
- Dr. Bridget Mutuma
- Dr. Emmanuel Midheme
- Ms. Gelica Inteca

**Fees:**  
All fees including training costs, visa application fee, air tickets to and from South Africa, airport transfer, accommodation for successful applicants will be provided through a generous funding by Western Indian Ocean Marine Science Association (WIOMSA) through Nanotech Futuristic Solutions (NFS) Limited.

**Contacts:**  
Secretary WIOMSA:  
Email: [v.ochanda@wiomsa.org](mailto:v.ochanda@wiomsa.org)  
Or  
Coordinator NFS:  
Email: [nanotechfuturistic20@gmail.com](mailto:nanotechfuturistic20@gmail.com)

**Useful sites:**  
<https://nanotechfs.co.ke/>  
<http://sabinano.co.za/>  
<https://www.wiomsa.org/>



**v) Free Micromeritics webinars on surface science**

<https://www.micromeritics.com/support/webinars/#1602182680422-d6795bd8-0043>



## Royal Society of Chemistry News



### 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.

Priority will be given to those who were accepted to attend the cancelled 2020 courses, but places do remain on several courses later in the year. Please see the timetable below for forthcoming courses. Further updates will be sent as applications open for the courses over the coming months and full details will be provided on [www.rsc.org/events/africa](http://www.rsc.org/events/africa). Please email [Africa@rsc.org](mailto: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	Late Oct/Early Nov 2021 (provisional dates)

## AFRICAN JOURNALS OF CHEMISTRY

### Journals in Africa (Chemistry)

#### Scientific African

Published by the [Next Einstein Forum](http://www.next-einstein-forum.com) 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](mailto: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\\_2018newjournals](https://www.springer.com/chemistry/journal/42250?utm_source=hybris&utm_medium=email&utm_content=internal&utm_campaign=JFTT_2_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>



## Two 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>

## Associate editors needed

CHAF receives numerous submissions relevant to

### Molecular docking

### Phytochemistry & Medicinal Natural Products

We seek experts in these domains to serve as Associate Editors (one each). For **gender equality** reasons, we encourage **African women chemists** to apply. Please send short CV to me and I will share it with colleagues from the Tunisian Chem Soc to make decision who will be given the role of AE to handle molecular docking and medicinal chemistry papers.

*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.scm Mauritania.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](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 2<sup>nd</sup> issue of AJCE 2021. The online version is to be found on the FASC website ([www.faschem.org](http://www.faschem.org), under Journal) and the AJOL website ([www.ajol.info](http://www.ajol.info)).

The table of contents is listed below:

- 1) Utilizing concept maps to remediate prospective physics and chemistry teachers' difficulties in inorganic qualitative analysis **Ibrahim Bouabdallah**
- 2) Blending formative assessment with metacognitive scaffolding strategies: its effect on students' achievement and self-regulation skills in chemistry **Tadesse Hagos and Dereje Andargie**
- 3) Innovative techniques in school level micro-scale chemistry experiments part (i): collection of distillate at the source (CDS) technique **K.M. Chan**
- 4) The oxidation states in organic compounds **Maria Joselice e Silva, Karolayne Kelyn de Moura Lira and Bogdan Doboszewski**
- 5) The differential perceptions of selected Ghanaian senior high school (SHS) students and teachers about organic chemistry **Esther Nartey and Ruby Hanson**

- 6) Pre-service science teachers's conceptual understandings of electrochemistry at the university of Ghana **Kwaku Darko Amponsah, Fred Kofi Boateng, and Salifu Maigari Mohammed**
- 7) A very simple teaching device for studying the pressure-temperature relationship of a gas **George Santos Marinho and Robson Fernandes de Farias**
- 8) Direct and simple approach for assigning absolute configuration in wedge dash projection **Sarika Malik, Shriniwas Gurjar and Sonia Ratnania**

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

[eic@faschem.org](mailto:eic@faschem.org), PO Box 2305, Addis Ababa, Ethiopia.

*Dr. Temechegne Engida* e-mail: [temechegne@faschem.org](mailto:temechegne@faschem.org)

South African Journal of Science [TOC@assaf.org.za](mailto:TOC@assaf.org.za)

Journal of the Chemical Society of Nigeria

[csnjournals@gmail.com](mailto:csnjournals@gmail.com); [csnjournals@yahoo.com](mailto:csnjournals@yahoo.com); [editor@chemsocnigeria.org](mailto: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](mailto:ajpac@academicjournals.org) help desk: [helpdesk@academicjournals.org](mailto:helpdesk@academicjournals.org);

URL: [www.academicjournals.org/journal/AJPAC](http://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; 15<sup>th</sup> -19<sup>th</sup> November 2021**  
[conference@africanlightsource.org](mailto:conference@africanlightsource.org)
- ii) **Moroccan Association of Catalysis and Environment – AMCE, November 23-25, 2021** <http://amcemorocco.com/>
- iii) **Mauritanian Chemical Society; 3<sup>rd</sup> International Chemistry Days, JIC 2021**  
Mauritanian Chemical Society will be organising its third International Chemistry Days, JIC 2021 (3<sup>èmes</sup> 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) **IUPAC CHEMRAWN XXII E-waste in Africa conference, 9-11 November, 2021, Lagos, Nigeria**
- v) **XV<sup>th</sup> International Symposium on Environment, Catalysis and Process Engineering 23 -25 November 2021 Marrakech, Morocco**
- vi) **26<sup>th</sup> IUPAC International Conference on Chemistry Education, 18-22 July 2022, Cape Town**
- vii) **African Materials Research Society (AMRS 2021) 12-15 Dec 2022, Dakar, Senegal**  
[www.africanmrs.net](http://www.africanmrs.net)
- viii) **ABC Chemistry conference 13-16 Dec 2022, Marrakech, Morocco**

ix) The 2ND EAC Regional Science, Technology and Innovation Conference, 20–22 October 2021 [conference@easteco.org](mailto:conference@easteco.org)

## Detailed conference information

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

**THE AFRICAN LIGHT SOURCE (AfLS3-2021) CONFERENCE**

Conference planned and hosted by X-Tech Lab

Virtual meeting 15<sup>th</sup> – 19<sup>th</sup> 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.saini.org.za/event/170/>  
AfPS Conference : <https://www.africanphysicssociety.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 Agbahougbata (Co-Chair), XTech Labs, Seme City, BENIN  
Thierry d'Almeida (Co-Chair), CEA, FRANCE  
Tabbatha Dobbins, Rowan U, USA  
Saphina Birra, Busitema U, Uganda  
Simon Connell, U Johannesburg, SA  
David Dodoo-Arhin, U Ghana, Ghana  
Michel Fodje, Canadian Light Source  
Diouma Kobor, U Ziguinchor, Senegal  
Nkem Khumbah, U Michigan, USA  
Abram Ledbetter, Brookhaven National Laboratory  
Sekazi Mtshinga, TrisEED Consultants, USA  
Prosper Ngabonziza, MPG, Rwanda  
Peter Ngene, Utrecht U, The Netherlands  
Lawrence Norris, AFPS, USA  
Bjorn Von der Heyden, U Stellenbosch, SA

**Conference Secretariat**  
[AfLS.conference@africanlightsource.org](mailto:AfLS.conference@africanlightsource.org)

**Additional partners:**

**African Societies of Chemistry**

### 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*

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### IMPORTANT DATES

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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**

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

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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](mailto:abdelhak.kherbeche@usmba.ac.ma)



## iii) IUPAC CHEMRAWN XXII E-waste in Africa conference

**HYBRID EVENT: VIRTUAL/LIMITED-IN-PERSON**

**REGISTER EARLY!**

THE INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY (IUPAC)  
AND  
THE CHEMICAL SOCIETY OF NIGERIA (CSN)

*Announces*

**IUPAC CHEMRAWN XXII-  
E-WASTE IN AFRICA  
CONFERENCE**

IN CONJUNCTION WITH  
**44TH**  
ANNUAL INTERNATIONAL  
CONFERENCE OF THE  
CHEMICAL SOCIETY OF NIGERIA

@ **50**  
ANNIVERSARY  
1971 - 2021

**Theme:**  
**Global Electrical & Electronic Waste:  
Health Hazards For Africa**

**Sub Themes:**  
Health Implications | Management  
Recycling | Disposal | Economics

**Pre-conference activities:** November 7-8, 2021 | **Conference Days:** November 9-11, 2021

**Online (virtual):** Zoom | **Onsite (for Limited-in-person):** Yard 158, Oregun, Lagos, Nigeria

**SPEAKERS:**

□ Professor Aliyu Jauro, NESREA	□ Leiv K. Sydnes
□ Oladele Osibanjo, Nigeria	□ Christer Forsgren, Stena Recycling, Sweden
□ Frederico Magalini	□ Veena Sahajwalla, Australia
□ Rohan Perera And Farid Tata	□ Nadia Kandile, Egypt
□ Seun Popoola, Nigeria	□ Jay O. Oghifo
□ Diana Purchase, UK	□ Leiv K. Sydnes, Norway
□ Adrian Clews, Hinckley Recycling	□ Mrs. Adebayo Fasawe, LASEPA

**Registration  
Sponsorship and Exhibition opportunities  
Call for Abstracts Submission** [www.e-wasteafrica.org](http://www.e-wasteafrica.org)

**nearea** **LASEPA**  
LAGOS STATE ENVIRONMENTAL  
PROTECTION AGENCY

Signed: Prof. Moses Nkem CHENDO  
CSN President

Prof. Leiv SYDNES  
Chair IAB

Prince Jay Oghifo  
Chair, LOC

iv) **XV<sup>th</sup> 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](mailto:Abdelhak.kherbeche@ecgpmorocco.com); 00212-661-081-734



# FASC

## Federation of African Societies of Chemistry

v) **26th IUPAC International Conference on Chemistry Education****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](mailto:icce2022@allevents.co.za) and consult the website, <https://www.icce2022.org.za/>, for regular updates.

The Local Organising Committee for ICCE 2022

For registration queries: +27 (0)21 910 1913 • email: [icce2022@allevents.co.za](mailto:icce2022@allevents.co.za)

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

email: [icce@eventmanagementsolutions.co.za](mailto:icce@eventmanagementsolutions.co.za)



vi) **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.



# FASC

## Federation of African Societies of Chemistry