



FASC Newsletter 6, June 2022

A reminder that registration is now open for the FASC GM and ABCChem meeting to be held in Morocco in December 2022. In other news: Chemistry Africa are looking for Associate Editors (see below). Also congratulations to Prof Catherine Ngila on her UNESCO
Neil Coville



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DETAILED CONFERENCE INFORMATION

New conferences data given at the end of the newsletter. See FASC website for older data:
<https://www.faschem.org/>

ABOUT FASC

FASC website

The FASC website is now up and functioning. Information on the FASC history/the updated FASC constitution/old copies of the newsletter/copies of the African J of Chemistry etc., etc. has been loaded onto the site. <https://www.faschem.org/>

FASC membership and invoices

Payment of fees

Payment of fees has proven to be an issue for many Societies. Transfer of monies to the FASC account has not been simple for some.

To circumvent this problem it has been suggested that payment can be made at the ABCChem meeting in December. It is suggested that this could be done in US dollars at the FASC GM. This could be paid for the two years (2022/2023).

Importantly payment will be required to VOTE (be a voting member) at the GM.

To make the payment at the GM it is important that Societies apply for membership BEFORE the GM.

Please apply online: http://www.faschem.org/contact/membership_application

Important points

- 1) Invoices to Chemical Societies went out in February. Cost for 2022 will be US\$100 per Society. (A charge of \$50 will be levied for 'Associate Member countries')
- 2) Individual membership will be available at US\$10 pa.
- 3) A new category 'Young affiliate member' will allow for post-graduate membership (at US\$5 pa).
- 4) To be a voting member at the GA, Society dues must be paid for that year

What does FASC do?

FASC has now been in existence for 15 years and encourages African Chemical Societies to join FASC. What does it do?

- 1) FASC currently produces the African Journal of Chemical Education (Editor: Dr Engida, Ethiopia; temechegne@faschem.org)
- 2) FASC is coordinating the Atlantic Basin Conference (ABC) on Chemistry in Morocco (December 2022 ; Chair: Prof Mamia el Rhazi, FASC President)
- 3) FASC has a General Assembly every two years that rotates around the African continent. The next one in December 2022 will be held in collaboration with the ABC event (Organisers: Tunisia)
- 4) FASC has a web site (currently being updated) to inform all of FASC activities
- 5) FASC is a member of IUPAC
- 6) FASC produces a monthly newsletter
- 7) FASC, with the financial support of the RSC, supports young African chemists to attend conferences
- 8) FASC members work closely with PACN
- 9) FASC works with the RSC, ACS and IUPAC seeking support for African chemists
- 10) FASC will produce: FRONTIERS IN CHEMISTRY – SPECIAL VOLUME ON AFRICA in 2022

The future

- 1) To become financially independent
- 2) To grow the number of member countries
- 3) To coordinate workshops/seminars within member countries

Information for the newsletter

Please send all information to Laila Smith (fasc@wits.ac.za), 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, there could be a small charge. For advertising costs, contact the FASC office in South Africa: laila.smith@saci.cac.za

CHEMISTRY NEWS

FRONTIERS IN CHEMISTRY – SPECIAL VOLUME ON AFRICA

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

Publication will take place later in 2022. All articles have now been accepted and the special edition will be published prior to the upcoming FASC GM.

African Chemical Societies and Other News

i) L'Oréal-UNESCO For Women in Science International Awards



Please join FASC in congratulating **Professor Catherine NGILA (AAS Fellow)** for her recognition by L'Oréal-UNESCO For Women in Science International Awards. Cathernie is a chemist and we are all proud of her scientific achievements that celebrates women in science.

from Mary Majani (AAS)

m.majani@aasciences.africa

ii) Nigeria: OWSD Nigeria National Chapter event

The OWSD Nigeria National Chapter - Port Harcourt branch invites interested OWSD members to participate in the 6th Biennial International Conference on Diversity and Innovation in Science for Sustainable Development.

This conference will take place from 19-23 March 2023 at the University of Port Harcourt, Rivers State, Nigeria.

Sub-themes of the conference include:

- * Digital technologies in science and technology education
- * Computational methods and scientific applications
- * Green energy and sustainable ecosystems
- * Bioinformatics, biotechnology and nanotechnology
- * Smart farming, agricultural processes and food security
- * Environment, climate change and innovative solutions
- * Medical and biomedical research
- * Engineering, robotics and artificial intelligence research
- * Social sciences, arts in science and medicine

Abstracts for oral or poster presentations should be sent to: owsduniportconf23@gmail.com before *December 15, 2022*.

There is a registration fee of N10000 for students (approximately USD 24), N20000 for OWSD members, and N25000 for non-members. For foreign participants the fee is USD 100.


Please see flyers for more details on speakers and how to register.

OWSD Secretariat

iii) Mauritius: Virtual Conference on Chemistry and its Applications

8th-12th August 2022, VIRTUAL event. vcccamru@uom.ac.mu


Virtual Conference on Chemistry and its Applications
"Resilience and Sustainable Research through Basic Sciences"



8 – 12 August 2022

Abstract submission
~~15-May-2022~~
Extended till 31 May 2022





✉ vcccamru@uom.ac.mu



Scan me for details!

This virtual conference will provide an online platform for participants to present, share and discuss recent findings of their research covering all topics related to Chemistry and interdisciplinary Sciences.

We will be graced by the participation of three Nobel laureates.

Angewandte Chemie
A Journal of the American Chemical Society

IYCN

IYBSSD 2022
International Year of Basic Sciences for Sustainable Development

iv) Mauritius: Talk by Prof Langer



Sustainable BioTech for the African region

Prof Robert S Langer

Massachusetts Institute of Technology, USA





Prof Robert Langer is highly regarded for his contributions to medicine and biotechnology. He is one of 12 Institute Professors at MIT and is considered a pioneer of many new technologies including the nanoparticle-based mRNA Moderna vaccine. Moderna is developing mRNA vaccines for a wide range of diseases beyond Covid-19.

Prof Langer's patents have been licensed or sublicensed to over 400 pharmaceutical, chemical, biotechnology and medical device companies. He will share his experience with us in view to support Biotechnology development in the African region. The new global challenges require the African region to engage into collaborative networks capitalizing on individual strengths for problem-solving. The Government of Mauritius has recently set-up its Mauritius Institute of Biotechnology to facilitate the setting-up of Biotechnology companies for the African region including vaccine production.

To be covered during the talk and Q & A session

- Prof Langer's experience in the development of biotech companies, scaffolds for regenerative medicine and university spin-off
- Early investment in spin-off
- Contract manufacturing – Case of Moderna Vaccine
- The human capacity required for a regional Biotech Industry development
- R and D requirements for such an endeavor
- Timeline for making this happen
- The sustainability of this enterprise in the African context

Date: Monday 6th June 2022
Time: 16 55 – 17 55 (Time zone: GMT/UTC + 4)
Zoom meeting: Meeting ID: 836 6336 7491, Passcode: 838163
Contact: Prof Archana Bhaw-Luximon, CBBR, University of Mauritius
Email: a.luximon@uom.ac.mu

v) FASC – ABCChem - fees

Registration is now open

Registration Fees: All In-Person Attendance

Attendee Type	1 June – 31 August 2022	1 September – 16 December 2022
Society Member	450 USD	500 USD
Non-Member	600 USD	650 USD
Student	200 USD	250 USD
Guest	100 USD	100 USD

Society Member

Member fees are available to members of the Sponsoring and Participating Societies and Official Participating Organizations. During registration attendees will be required to enter their society

member ID number. Note that for the American Chemical Society the Society Member Fee is for people with the Premium Membership Package.

Non-Member

Non-Member fees are for any participant who is not a member of a member society or official participant organization and is not a student.

Students

Student registration fees are available to full-time students enrolled in an undergraduate or graduate degree program. Post-doctoral fellows are not students.

Guest (Accompanying Person)

Guests are spouses or other family members who wish to attend the Welcome Reception, Closing Banquet, and enter the Exhibits. Guests who plan to attend the technical sessions must purchase a full (member, non-member, or student) registration. Children who are 16 yrs and younger do not need to register if accompanied by a **conference-registered adult**.





Virtual Attendance

As of March 2022 the planning committee has designed to the conference to be fully in-person (no virtual presentations or virtual attendance). However, if virtual attendance becomes an option the details will be announced in the fall of 2022.

vi) Plenary speakers at the ABC Chem event: Prof Jillian Buriak

ABC Chem
ATLANTIC BASIN CONFERENCE ON CHEMISTRY

13-16 DECEMBER 2022
MARRAKECH, MOROCCO

 CHEMISTRY, BIOLOGY & HEALTH Professor Kelly Chibale Department of Chemistry University of Cape Town South Africa	 EDUCATION & SCIENCE COMMUNICATION Dr. Temechehn Engida Program Officer UNESCO-IICA Ethiopia	 GREEN CHEMISTRY Professor Jillian Buriak Department of Chemistry University of Alberta Canada	 MATERIALS & NANO CHEMISTRY Professor Teri Odom Department of Chemistry Northwestern University & Nano Letters United States
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Department of Chemistry; University of Alberta, Canada



Jillian Buriak received an A.B. from Harvard University in 1990, and a Ph.D. from the Université Louis Pasteur in Strasbourg, France, in 1995. After an NSERC postdoctoral appointment at The Scripps Research Institute in La Jolla, California. Buriak started her independent faculty career at Purdue University in 1997, being promoted to associate professor, with tenure, in 2001. In 2003 she

joined the University of Alberta as a full professor, Canada Research Chair, and Senior Research Officer.

She was on the Board of Reviewing Editors (BoRE) at Science from 2003 to 2008, was an Associate Editor at ACS Nano from 2009 to 2013, from 2014 to 2020 was the Editor-in-Chief of the American Chemical Society journal Chemistry of Materials, is the Editor-in-Chief of the new ACS Materials Letters, and has recently returned to her role as Associate Editor with ACS Nano. Buriak has co-authored over 100 papers in the area of surface chemistry, nanoscience, synthetic materials chemistry and inorganic nanomaterials, has an h index of 57, and over 13,000 total citations.

Taken from conference web site.

IUPAC news

i) Seeking volunteers



INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

IUPAC is now recruiting individuals volunteers with significant experience in fund raising and connected to a large network of funders to start this venture for IUPAC. Having a background in Chemistry is desirable, as there are many activities and programs running in IUPAC that would appeal to a diverse group of potentially interested donors.

The initial objective of the Fund is to provide endowment investment earnings of at least \$100,000 per annum for IUPAC activities consistent with the Fund Mission, net of the operational costs of the fund, including those of the Centenary Endowment Board.

See the full post here:

<https://iupac.org/iupac-centenary-endowment-board-call-for-members/>

Dr. Lynn M. Soby

Executive Director, IUPAC; Email: lsoby@iupac.org ; www.iupac.org

[This message is being sent to IUPAC's National Adhering Organizations, Bureau, Finance Committee and Associated Organizations]

2022 Kavli Prize in Nanoscience



The Norwegian Academy of Science and Letters has announced the 2022 Kavli Prize Laureates in the fields of astrophysics, nanoscience and neuroscience. Eleven scientists from six countries are honored for their research that has transformed our understanding of the big, the small and the complex

The Norwegian Academy of Science and Letters has announced the 2022 Kavli Prize Laureates in the fields of astrophysics, nanoscience and neuroscience. Eleven scientists from six countries are honored for their research that has transformed our understanding of the big, the small and the complex.

The 2022 Kavli Prizes recognize pioneering science in the development of helioseismology and asteroismology; development of self-assembled monolayers on solid substrates and molecular-scale coatings to control surface properties; and the discovery of genes underlying a range of serious brain disorders.

The 2022 Kavli Prize in Nanoscience honors four pioneers whose work transformed surface science and has led to applications shaping our daily lives in areas from medical diagnostics to semiconductor devices. These scientists created molecular-scale coatings for surfaces which enable unprecedented control and engineering of surface properties. Theirs was a shared vision, inspired by the concept of organized monolayer films introduced in the 1930s by American physicists and chemists, Katherine Blodgett and Irving Langmuir.

For self-assembled monolayers (SAMs) on solid substrates; molecular coatings to control surface properties.

Winners in 2022:

David Allara (USA)
Ralph Nuzzo (USA)
Jacob Sagiv (Israel)
George Whitesides (USA)

From the web

FASC

Federation of African
Societies of Chemistry

Younger Chemists' News

i) German Academic Exchange Program (DAAD) Scholarships

Information about the German Academic Exchange Program (DAAD) can be accessed on the web at <https://www.daad.de/en/>.

This program would be of interest to **foreign students looking for an opportunity to do research and study abroad**. The program is competitive, but is available to all those interested. <https://www.daad.de/en/>.

Kym Francis Faull, Ph.D.

faull@chem.ucla.edu

ii) Post-graduate Summer School on Green Chemistry

14th Green Chemistry Post graduate Summer School Venice 3-8 July 2022

<https://www.greenchemistry.school/>

The event, which will take place in Venice, is aimed at young researchers in chemistry and related sciences, offering the opportunity to follow a program of intensive lectures, taught by first ranked Professors accredited to major International Institutions and research Institutes (<https://research.com/scientists-rankings/chemistry>). Through 5 days of lectures carried out by Relevant Teaching Professors, present their researches, wide their vision by being in contact with other students from different countries and challenge themselves to find sustainable and green solutions to nowadays issues.

Link for apply -> <https://www.greenchemistry.school/apply/>

Deadline for applications for students on site: 1st of June 2022.

Period of online registration: Applications will be possible on 2nd-30th June 2022.

Participation Fee on site: 700€ (accommodation in Camplus Santa Marta: <https://www.camplusapartments.it/it> for 5 days, breakfasts and lunches included)

Participation Fee online: 65€

We already received many applications of students from 37 Developing Countries, and we expect about 250 students this year. We look forward to meet you all!!

Sponsorship applications are still open for companies/industries/people who would like to be part of Green Chemistry Postgraduate Summer School 2022.

The Organizing Committee

E-mail: green.chemistry@unive.it; Web: <https://www.greenchemistry.school/>

iii) 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

iv) International Young Chemists Network (IYCN)

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

Royal Society of Chemistry News



i) GSK/RSC Hands-On GC-MS & LC-MS Training Courses

New dates for 2022 – extended for 1 year

Through our partnership with GSK we are delighted to announce that we are able to run the following Hands-On GC-MS (Gas Chromatography with Mass Spectrometry) and LC-MS (Liquid Chromatography with Mass Spectrometry) training courses in 2022.

Please see the timetable below for forthcoming courses for which we are still open to applications. Please carefully note the deadlines to complete them. We hope to reschedule our GC-MS 2021 training course for Ethiopia this year. Applicants who originally applied and were successful will be given priority to attend. Full details will be provided on www.rsc.org/events/africa. Please email Africa@rsc.org with any enquiries.

Course Type	Location	2021 Dates
LC-MS	Kenya	4-8th July 2022
LC-MS	Kenya	22-26th Aug 2022
GC-MS	Ethiopia	TBC – rescheduled from 2021

ii) Funding opportunities from the Royal Society of Chemistry

The Royal Society of Chemistry's Researcher Development Grants are open to PhD students and postdoctoral researchers wishing to undertake an activity that supports their research career. You can apply for a grant of up to £500 towards any virtual or in-person activity that develops your skills and experience as a researcher. Examples include, but are not limited to, presenting work at conferences, developing new skills by attending training courses or developing networks by organising a scientific meeting.

- To apply you must meet the following criteria:
- You are an RSC member (of any level)
- You are a PhD student or postdoctoral researcher
- Your activity must start on or after the 28th of the month following your application.

See the webpage for more information <https://www.rsc.org/prizes-funding/funding/researcher-development-grant/>

Applications for up to £5,000 can be made to the Royal Society of Chemistry's Inclusion and Diversity Fund. Applications must focus on inclusion and diversity and can relate to a range of audiences, including different age groups, career stages, geographical regions and sectors. This grant scheme is open to everyone (individuals and organisations) including members of the Royal Society of Chemistry, member-led groups, researchers in academia or industry, museums, community groups, not-for-profit organisations, arts groups and libraries.

Previous recipients of this funding have included projects related to gender, disability, socio-economic background, language, race and ethnicity, the LGBT+ community and more. These have been delivered via initiatives such as data collection and analysis, workshops, conferences and hackathons. The closing date is Monday 25 April and more information is available here <https://www.rsc.org/prizes-funding/funding/inclusion-diversity-fund/>

iii) Pan Africa Chemistry Network

The Pan Africa Chemistry Network (PACN) has a LinkedIn group where members share information related to PACN activities, news, and events from across Africa. You can apply to join this group here <https://www.linkedin.com/groups/1900756/>

Commonwealth Chemistry

Many of our FASC member countries are part of Commonwealth Chemistry. This is part of the Commonwealth.

The Commonwealth consists of 54 independent member states. Most of them were formerly ruled by the British, although Mozambique, which joined in 1995, and Rwanda, which joined in 2009, do not share that historical link to the UK. There are 19 Commonwealth states in Africa, eight in Asia, three in Europe (including Cyprus and Malta, which are both also members of the European Union), 13 in the Caribbean and the Americas and 11 in the Pacific.

They vary widely in size and population. The majority of Commonwealth members (32) are classified as small states with populations of under 1.5 million. By contrast, India – the most populous Commonwealth state – has 1.4 billion citizens. Of the 2.5 billion people who live in the Commonwealth, over half are based in India.

In 2021 the combined GDP of all Commonwealth countries was estimated to be US\$13.1 trillion.

The theme of the 2022 Summit is 'Delivering a Common Future: Connecting, Innovating, Transforming'.

AFRICAN JOURNALS OF CHEMISTRY

i) Chemistry Africa

(<https://www.springer.com/journal/42250>) The journal has received its first Cite Score from Scopus: 2.5 <https://www.scopus.com/sourceid/21101055713>

The Cite Score Tracker (updated each month) shows good progress with a Cite Score of 3.

NB: Scopus Cite Score has changed, the actual definition is: total citations in 2018-2021 (4 years) to papers published in the same period, 2018-2021. There is also a link for other metrics: <https://www.resurchify.com/impact/details/21101055713>

It provides the Impact Score (2.3 ; similar to the Impact Factor but based on Scopus database), H-index, and SJR from Scimago (SJR= 0.324).

At Chemistry Africa, we are looking for Associate Editors to handle manuscripts relevant to:

- Organic chemistry
- Natural products and medicinal chemistry
- Phytochemistry, essential oils
- Computational chemistry: DFT and molecular docking
- Corrosion science
- Geochemistry
- Pollution and health risk

Colleagues who are interested in joining the journal as Associate Editors should send a cv to

Mohamed Chehimi: mohamed.chehimi@cnrs.fr , cc: mmchehimi@yahoo.fr

ii) African Journal of Chemical Education

The online version is to be found on the FASC website (www.faschem.org, under Journal) and the AJOL website (www.ajol.info).

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

CONFERENCES/WORKSHOPS

Upcoming events

- i) **Virtual Conference on Chemistry and its Applications**, 8th-12th August 2022, VIRTUAL event. vcccamru@uom.ac.mu
- ii) **ACRISE 2022, 5th African Conference on Research in Chemical Education**, 7th-9th December 2022, Cairo, Egypt. <https://arice.online>
- iii) **45th Annual International conference of the Chemical Society of Nigeria**. Yola, Nigeria, 18-23 September 2022. conferencehelpdesk22@chemsociety.org.ng
- iv) **44th SACI Convention 2023**. Stellenbosch, SA, 9-13 January 2023
- v) **The 2nd African Traditional and Natural Product Medicine Conference**, Ranch Hotel, Limpopo, SA, 19-21 October 2022 (www.faschem.org)
- vi) **ABCChem**. Marrakech, Morocco, 13-16 Dec 2022, (www.faschem.org)
- vii) **CATSA 2022**. Drakensberg South Africa 13-16 Nov 2022 www.catsa.org (see FASC website www.faschem.org)

- viii) **NanoAfrica 2022.** 23-29 October 2022, Cape Town. info@nanoafrica2022.co.za (see FASC website www.faschem.org)
- ix) **Post-graduate Summer School on Green Chemistry.** Green Sciences for Sustainable Development Foundation 3th to 9th of July 2022, Venice. <https://gssd-foundation.org/ss2022/> (see FASC website)
- x) **26th IUPAC International Conference on Chemistry Education.** 18-22 July 2022, Cape Town (see FASC website www.faschem.org)
- xi) **African Materials Research Society (AMRS 2021).** 12-15 Dec 2022, Dakar, Senegal www.africanmrs.net (see FASC website www.faschem.org)

Detailed conference information

i) ABCChem



The poster for the Atlantic Basin Conference on Chemistry (ABCChem) 2022 features a background image of a cityscape. At the top left is the ABCChem logo, a red hexagonal structure. To its right, the text 'ABCChem' is in large orange letters, with 'ATLANTIC BASIN CONFERENCE ON CHEMISTRY' in smaller black letters below it. On the right side, there are four purple rectangular boxes stacked vertically, each containing white text: 'CHEMISTRY BIOLOGY & HEALTH', 'GREEN CHEMISTRY', 'MATERIALS & NANO', and 'EDUCATION & SCIENCE COMMUNICATIONS'. The main title 'Atlantic Basin Conference on Chemistry' is in large white letters, followed by the subtitle 'Linking the World through Chemistry' in smaller white letters. Below this, the dates '13-16 DECEMBER 2022 | MARRAKECH, MOROCCO' are listed. An orange rectangular box contains the following text: 'HOTEL: MÖVENPICK HOTEL MANSOUR EDDAHBI MARRAKECH', 'CONVENTION CENTER: PALAIS DES CONGRÈS MARRAKECH', 'ABCChem.org', and '#ABCChem2022'. At the bottom left, a purple circle contains the text 'Register Today!'. At the bottom right, the text 'ABCCHEM 2022 ORGANIZERS' is followed by a row of logos for various organizations including ACS, FASC, and others.

African
Societies of Chemistry