



FASC Newsletter

June 2019

The IUPAC Congress meeting in Paris commences later this week. FASC will be well represented at the event. We wish our delegates well and that they will succeed in bringing issues pertinent to chemistry on the continent to the fore.

The arrangements for the FASC event in Botswana are in place. We have been fortunate to get Prof Tom Welton to be the plenary speaker at the event; he is a world renowned expert in the area of Green and Sustainability chemistry. See details below on submission of abstracts and registration for the event.

Finally, an article on 'Chemical security in Kenya' is listed below, The full article will be available in the next month's newsletter

Neil Coville

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Conferences

(Detailed information and adverts follow the listing, if available)

- Botswana Chemical Society (BCS), SEANAC and FASC conferences, Gaborone, Botswana
- 42nd Annual conference of the Chemical Society of Nigeria, and ACRICE-4 2019, Lagos, Nigeria
- IYCN Paris
- 70th Annual Meeting of the International Society of Electrochemistry, Durban SA
- 6th IUPAC International Conference on Chemistry Education , Cape Town, SA
- Frank Warren Conference 2019, Drakensberg, SA
- AMRS2019 The 10th International Conference of the African Materials Research Society (AMRS2019) Arusha, Tanzania
- The 18th Asian Chemical Congress and the 20th General Assembly of the Federation of Asian Chemical Societies, Taipei, Taiwan

Information for the newsletter

Please send all information to either Beth (admin@faschem.org) or to me (neil.coville@wits.ac.za)

Beth will place all newsletters on the FASC website. She will be responsible for sending out the newsletter every month.

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, 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)

FASC Meeting 2019

The dates and venue for the upcoming FASC 2019 event have now been finalised

Prof Tom Welton, University College London will be the Plenary lecturer at the event.

Registration: <https://conferences.ub.bw/index.php/csfse/csfse2019>

Bank account details: **Bank Account Name:** Chemical Society of Bots, **Branch Name:** FNBB Riverwalk Plaza, **Acc #:** 62761059544 **Branch #:** 285267. Ref: Confreg

Information (see flyer in the newsletter)

- The Botswana Chemical Society (BCS) will host their first Chemistry conference from September 25-27, 2019.
- This will take place in Gaborone, Botswana
- The conference will be hosted by the University of Botswana in their brand new conference centre that has an auditorium for plenary lectures and rooms for parallel sessions.
- A three day SEANAC conference will be held concurrently with the BCS meeting
- The Thursday will be dedicated to FASC activities.

Country news

1) Chemical Security in Kenya

See page at end of newsletter

2) Tanzania

IUPAC FOR AFRICA: POSTGRADUATE SUMMER SCHOOL ON GREEN CHEMISTRY

The International Union of Pure and Applied Chemistry (IUPAC) Summer School which was hosted by the University of Dar es Salaam (UDSM), University of Dodoma (UDOM) and the Tanzania Bureau of Standards (TBS) in collaboration with the Tanzania Chemical Society (TCS) in Tanzania attracted young chemists from Africa, Europe and beyond. From 12th to 19th May, the young chemists were exposed to thorough and intensified training and teachings on Green and Sustainable Chemistry. The school provided the best thought provoking lectures from renowned scholars such as Prof. Zhou Qifeng, the IUPAC President, Prof. Tundo (The Chemistry of Dimethyl Carbonate), Prof. Peter Licence (Ionic Liquids *in vacuo* – suck it and see!), Prof. Christopher Brett - IUPAC President-Elect (Green materials and Electrochemistry), Prof. Neil Coville (Carbon nanomaterials from propylene waste), Prof. Darkwa (Catalysis driven conversion of substrates in chemical production: selected examples), Prof. Mammino (The design of environmentally-benign substances: Interfaces between green chemistry and computational chemistry), Prof. Urassa (Global Networking for Professional Training and Development in the Chemical Sciences: ACS Model), Prof. Jiang, Prof. Obuzor (Nature the Chemists' Untapped Warehouse), Dr. Kasozi (Environmental sustainability utilizing renewable feed-stock, chemical waste and recycling), and Mr. Nannake-Abasi Offiong (Surfactant for Groundwater Remediation from Green and

Renewable Feedstocks). This event gathered around 100 participants from around Africa and Europe out of which two are young Periodic Table awardees from

Fig 1. Group photograph of some of the participants taken during the IUPAC for Africa Summer School at University of Dar es Salaam, Tanzania

China and Nigeria (Xuefeng Jiang, S and Emmanuel C Ohaekenyem, Sn). About thirty (30) students were sponsored to the school by IUPAC, United Nations Environmental Programme (UNEP), International Sustainable Collaborative Center (ISC₃), PHOSAGRO. The summer school provided the participants opportunity to develop, network, present research works and acquire research knowledge and skills. As part of the summer school, about 59 students who presented posters competed for the best poster award out of which Emmanuel C. Ohaekenyem a Nigerian from Nnamdi Azikiwe University Awka, Nigeria; Jemilugba Olufunto Tolulope (Nigerian) from University of Johannesburg, South Africa; Camila Renson a Tanzanian From University of Dar es Salaam, Tanzania; Florence Masese a Kenyan



from University of Nairobi, Kenya; Catherine from University of Nottingham.



Fig 2. Catherine (left) and Jemilugba (right) received their award



Fig 3. Emmanuel (left) and Camila (right) received their best poster awards

On the last day of the Summer School, the winners made a short oral presentations of their research and the awards were presented alongside their participant certificate



Fig. 4 Participants Prof. Brett (Left) and Prof. Coville (right) received their certificates

This event provided the participants with an understanding of the latest developments of the concepts and management of green/sustainable chemistry and pollution control.

Emmanuel C. Ohaekenyem
Nnamdi Azikiwe University

IUPAC news

IYCN ANNOUNCEMENT

Nomination Call!

The General Assembly will take place during the IUPAC 2019 conference in Paris on July 7th.

We are looking for nominations for the Chair, Vice-Chair and Secretary positions.

If you would like to run for the election of one of those positions please follow the link for your nomination.

https://docs.google.com/forms/d/e/1FAIpQLSeK-R_WOi3qtMmK37SOuNwyLD-UTNRLy_G35n3-fQzqWNABcw/viewform?pli=1

See attached flyer.

African Journal of Chemical Education (AJCE)

A PDF version of the first issue of volume 8 AJCE 2019 is available. The online version is available at the FASC

website: http://www.faschem.org/sites/default/files/u1/AJCE_2018_January2.pdf

You will find the individual articles in the AJOL website (www.ajol.net.)

Papers on any aspect of Chemistry Education such as teaching organic, analytical, physical, inorganic, polymer, green, climate change/environmental chemistry, ICT in chemistry and chemistry curricula as well as assessment in chemistry are acceptable for publication. We also encourage issues on chemistry and indigenous knowledge/practice, chemical safety, natural products and related areas.

AJCE, 2019, 9(1) ISSN 2227-5835

African Journals of Chemistry

- **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_www_2018newjournals

- **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).

- **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**

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

email eic@faschem.org, PO Box 2305, Addis Ababa, Ethiopia. *AJCE*, 2016, 6(1) ISSN 2227-5835 The online version appears in the FASC website (www.faschem.org) and in the AJOL website (www.ajol.info).

- **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;

Helpdesk: helpdesk@academicjournals.org;

URL: www.academicjournals.org/journal/AJPAC

ACRICE-4 2019

Africa Conference on Research in Chemical Education

Conference Dates: 8th – 13th September 2019 (CHEMICAL SOCIETY OF NIGERIA)

Deadlines for ACRICE-4 2019 submissions

1. Last date for submission of abstract & full papers for oral presentations – Friday, 22nd March, 2019
2. Last date for submission of abstract & full papers for poster presentation: Friday, 29th March, 2019
3. Communication of status of all submitted articles to the corresponding authors shall be on or before the close of business on Friday, 26th April 2019
4. The last date for the submission of all accepted and corrected full length papers for oral presentations with evidence of payments and conference registration would be Friday 17th May 2019
5. The last date for the submission of all accepted and corrected full length papers for poster presentations with evidence of payments and conference registration would be Friday 24th May 2019

6. Payments to be made for accepted articles for publications in the conference book of proceedings after presentation at the conference is N7,500.00 only.
7. Poster presentation session which will be held from Tuesday 24th –Thursday 26th September 2019
8. Email address for submission of articles for oral presentation is acrice4.csn2019oralp@chemsociety.org.ng
9. Email address for submission of articles for poster presentation is acrice4.csn2019posterp@chemsociety.org.ng
10. Conference Dates: 22nd – 27th September 2019.

RSC-PACN news



i) Royal Society of Chemistry's Pan Africa Chemistry Network Congress 2019

Riches of the Natural World: Sustainable Use of Africa's Natural Products and Materials

5–7 November 2019, Addis Ababa, Ethiopia

You can be a part of our annual flagship event in Africa - it's an ideal opportunity to discuss the current challenges facing sustainable resource use, exchange ideas with other scientists and hear about cutting-edge advancements in the field.

We can reveal that the three themes are:

Natural products

Raw materials and biomaterials

Climate change and water resources

Find out more about the [Congress and our three themes](#) (this link will become active on 1 July)

Abstract submissions are open from 1 July-12 August – don't miss out!

There are two types of abstract submission: oral talks and flash presentations. If you are an African scientist, if your work has any connections to Africa, or if your research

is of interest to an African audience, please submit your abstract. We welcome submissions from all.

[Submit your abstract today](#) (from 1 July)

Need financial help to attend?

If you are selected to present and you are an African scientist working in Africa, full funding is available.

Everybody is welcome to attend and registration will open later in the year. Attendance is free and all catering, including the Conference Dinner, is included for all delegates.

Please share this opportunity with your colleagues and networks across Ethiopia, Africa and the world.

ii) Workshop, various locations in Africa

This Pan Africa Chemistry Network training course, supported by GSK, will cover the practical aspects of Gas Chromatography, method development, quantitative analysis and spectral interpretation of GC-MS.

Courses will take place in Ethiopia (30 Sep – 4 Oct) and Nigeria (18 – 22 Nov). To find out more and apply, visit <http://www.rsc.org/events/africa> – only 15 spaces available per course.

iii) Royal Society of Chemistry Events Website

Our website can be used to advertise events from across the world – not just those organised by the Royal Society of Chemistry, www.rsc.org/events/africa.

So, if you need a simple website for your event, or want to reach a wider audience, then please submit your event to our website. Simply click on this link and follow the instructions: www.rsc.org/events/submittevent

The Younger Chemists Committee (YCC) advocates for and provides resources to early-career chemists and professionals in the chemical sciences and related fields. The YCC addresses specific issues facing younger chemists within the ACS and serves as a voice to the Society on behalf of younger chemist

The Younger Chemists Committee (YCC) of the American Chemical Society (ACS) recognizes that chemistry is a global endeavour that serves chemistry professionals across the globe. Successful programs and collaborations require dedicated volunteers and coordination amongst scientific societies to make a lasting impact on our esteemed profession.

Dr Sadhna Mathura is a representative from Africa

Conferences

- 1) **The third Coordination Chemistry Days (JCC-2019)**, 26 to 29 September 2019, Laico Hotel, Hammamet, Tunisia. <http://www.sctunisie.org>; e-mail: contact@sctunisie.org
- 2) **The second International Days of Chemistry (JIC-2019)**, 14 to 16 November 2019, Nouakchott Mauritania. <http://www.scmauritania.org>; contact@scmauritania.org
- 3) **Botswana Chemical Society (BCS), SEANAC and FASC conferences**, Gaborone, Botswana 25th- 27th September 2019 Dr Florence Nareetsile nareetsilef@UB.AC.BW
- 4) **70th Annual Meeting of the International Society of Electrochemistry**, Durban SA, 4th -9th August, <https://annual70.ise-online.org/index.php>
- 5) **26th IUPAC International Conference on Chemistry Education** Cape Town 13-17 July 2020; <https://www.icce2020.org.za/>
- 6) **Frank Warren 2019** Drakensberg, SA, 7-11 July 2019 <http://www.saci.co.za/FW2019/registration.html>
- 7) **The 10th International Conference of the African Materials Research Society (AMRS2019)** Arusha, Tanzania, 11-14 December 2019. Contact: amrstanzania@gmail.com
- 8) **The 18th Asian Chemical Congress and the 20th General Assembly of the Federation of Asian Chemical Societies**, Taipei, Taiwan December 8-12, 2019, www.acc2019.tw
- 9) **ACRICE-4 2019 BY CHEMICAL SOCIETY OF NIGERIA**; Lagos, 8th – 13th September 2019. Articles for oral presentation acrice4.csn2019oralp@chemsociety.org.ng; Articles for poster presentation is acrice4.csn2019posterp@chemsociety.org.ng

Detailed Conference information

- **Botswana Chemical Society (BCS), SEANAC and FASC conferences**, Gaborone, Botswana

Registration fees

These have been kept low to encourage participation at the event

Please register and make your submission **online** at the following link:

is <http://conferences.ub.bw/index.php/csfse/csfse2019>.

Deadline for abstract submission will be 30th June.

Please differentiate the programme you wish to **present** at by placing the term FASC, BSC or SEANAC at the top of your abstract submission.

	Before 30 th June	After 30 th June
Delegate	USD 300	USD 400
Students	USD 150	USD 200

Language

The official language of the conference will be English

1st CSB, 7th FASC, 7th SEANAC

INTERNATIONAL CHEMISTRY CONFERENCE IN BOTSWANA

To be held at the UB Conference Centre, Gaborone, Botswana

25-27th September 2019

CIRCULAR #2 CONFERENCE SYNOPSIS

The Chemistry Society of Botswana (CSB) will hold the FIRST ever conference on Chemistry in the Botswana capital, Gaborone, in September 2019. This meeting will be hosted by the CSB and co-hosted with two other important African continent conferences, SEANAC and FASC. To accommodate the diverse interests of the chemistry community both in Botswana and in the African continent a wide range of topics will be included in the conference program (see below). However, the SEANAC programme will be devoted to issues relating to Analytical Chemistry while the FASC programme will be devoted to Green Chemistry issues. Indeed Prof Tom Welton's talk, "Solvents for Sustainable Chemistry", addresses all themes at the event.

Venue

The conference will be held at the University of Botswana in the new Conference Centre.

Invited speakers

Invited speakers include:

Prof Tom Welton. Imperial College London

Prof Nelson Torto. Executive Director: African Academy of Sciences

Prof Nora de Leeuw, Cardiff University, Cardiff

Call for papers and registration

Anyone who is interested in making a scientific presentation at this conference, either orally or by means of a poster is invited. Participants must indicate their preferences although the committee shall reserve the right to make the final decision.



For further information contact: Dr. Florence Nareetsile (CSB: nareetsilef@mopipi.ub.bw); Prof James Darkwa (FASC): JDarkwa@bitri.co.bw; DR. Mmualefe (SEANAC: Immualefe@bitri.co.bw)

Details of possible accommodation will be listed in the next circular.

INQUIRIES

The website for the conference

is <http://conferences.ub.bw/index.php/csfse/csfse2019>

The email for secretariat

is Secretariat.Chemistry@mopipi.ub.bw

Abstract submission is chemistryadmission@mopipi.ub.bw

For specific information contact

CSB Dr Florence Nareetsile
nareetsilef@UB.AC.BW

FASC Prof James Darkwa
jdarkwa@bitri.co.bw

SEANAC Dr Lesego Mmualefe
Immualefe@bitri.co.bw

DFID Prof Olayinka Oyetunji
oyetunji@mopipi.ub.bw

TOPICS

- ❖ The conference encourages abstracts from all disciplines related to chemistry, including:



For further information contact: Dr. Florence Nareetsile
(CSB: nareetsilef@mopipi.ub.bw); Prof James Darkwa
(FASC): JDarkwa@bitri.co.bw; DR.
Mmualefe (SEANAC: Immualefe@bitri.co.bw)

- IYCN event. Paris

Engaging the Next Generation

Experiment Competition

This is Your Chance!

Are you someone who loves
chemistry?

Do you believe that Chemistry has
all the solutions?

Do you want to contribute to in-
creasing public awareness of chem-
istry?

If so, this is your chance!

Deadline

We will accept applications **starting on Wednesday 13th March** (Joseph Priestley's birthday) and all entries are due **no later than Wednesday 12th June 11:59 pm** GMT.



Organized and Coordinated by the
Public Outreach Committee at the
International Younger Chemists Net-
work (IYCN).



IYCN
The International
Younger Chemists Network

APPLY!

Engaging the Next Generation

IYCN is pleased to announce its first ever "Engaging the Next Generation" project, an IYCN outreach competition sponsored by CAS. The theme of this year's competition is **Climate Change**, which is one of the 17 United Nations Sustainable Development Goals.

Application

- Go to <https://iycnglobal.wixsite.com/competition>, find out more information regarding the competition criteria and to submit your experiment.
- Pick an experiment of your choice that reflects the theme **Climate Change**.
- Use the template provided on the website to write up your experiment.

Winners will be announced during the IUPAC General Assembly and World Chemistry Congress in Paris, which will take place in July 2019.

FOR MORE INFORMATION CONTACT US:

-  Int'lYoungerChem
-  publicoutreach.iycn@gmail.com
-  IYCN.Global
-  www.iycnglobal.com



- **42nd Annual conference of the Chemical Society of Nigeria, and ACRICE-4 2019, Lagos, Nigeria**

DEADLINES FOR 42ND CSN INTERNATIONAL CONFERENCE AND ACRICE-4

1. Last date for submission of Abstract & Full Papers for oral and poster presentations- Friday, May 17th, 2019.
2. Communication of status of all submitted articles to the corresponding authors shall be on or before the close of business on Friday, June 7th, 2019.
3. The last date for the submission of all accepted and corrected full length papers with evidence of payment for both the conference book of proceeding and registration shall be
 - (a) Orals-Friday, June 7th, 2019;
 - (b) Posters- Wednesday, June 26th, 2019.
4. Payment to be made for accepted articles for publications in the conference book of proceedings is N7,500 only.
5. Poster presentation session will be held from 11th - 12th September 2019.
6. Email address for submission of articles
 - (a) oral presentation: orals@chemsociety.org.ng
 - (b) poster presentation: posters@chemsociety.org.ng



PAYMENT ADVICE

Cheque, bank draft, online transfer should be made payable to
CHEMICAL SOCIETY OF NIGERIA
 UBA PLC ACCOUNT NO
 1005627962 (Naira)
 3001262299 (Dollar)

Please send payment details to
lagos2019@chemsociety.org.ng

CONTACT

Professor Sunday O. Okeniyi

President, Chemical Society of Nigeria
President.14@chemsociety.org.ng
 +234-803-455-1251; +234-812-114-4145

Professor Gloria U. Obuzor

Vice President FASC and Chair, ACRICE
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 +234-803-338-3549

Dr(Mrs) Iyabo Phillips

Chair LOC and CSN Lagos Chapter Chair
chair_lagos@chemsociety.org.ng
 +234-802-324-9805

Mr Kehinde O. Oisemaye

CSN National Publicity Secretary
nat.pubsec@chemsociety.org.ng
 +234-803-267-8449; +234-808-888-8095

Conference Secretariat

Mrs Stella Nweze-Akpa
 ICCON OFFICE, WHO BUILDING,
 443, Herbert Macaulay Way,
 Yaba, Lagos
 +234 803 088 5265

www.chemsociety.org.ng/acrice
csnconference.org

EKO 2019

THE LARGEST GATHERING OF CHEMISTRY PROFESSIONALS IN AFRICA

42ND ANNUAL INTERNATIONAL CONFERENCE & 4TH ACRICE

Supported by
IUPAC

THEME
 CHEMISTRY EDUCATION AND SUSTAINABLE DEVELOPMENT

ACADEMY INN,
 Plot 6, Lateef Jakande Road
 By ACME Road,
 Agidingbi, Ikeja
 Lagos.

8th - 13th
 September,
 2019

ChemsocLagos
 08038802444



www.chemsociety.org.ng



EKO 2019

42ND CSN ANNUAL INTERNATIONAL CONFERENCE & ACRICE-4

LAGOS, NIGERIA
ACADEMY INN, PLOT 6,
LATEEF JAKANDE ROAD,
BY ACME ROAD, AGIDINGBI, IKEJA

**8TH-13TH
SEPT., 2019**

THEME

**CHEMISTRY
EDUCATION
AND
SUSTAINABLE
DEVELOPMENT**

FOCUS AREAS

Innovation
Economic Growth
e-learning/ICT
Wealth Creation
Food Security
Chemistry Education
Chemical Security
Industrial Tech.

SPEAKERS

Prof. Adebola Oyediji,
Mthatha, South Africa.
Prof. Jan Apotheker,
Netherlands
Prof. Marietjie Potgieter,
Pretoria, South Africa
Prof. Haida Moh'd Kaus,
Malaysia
Prof. Kehinde Olayinka,
Lagos, Nigeria.

Prof. Oluwale Familoni,
Lagos, Nigeria
Mr. Abiola Ogunrinde,
Lagos, Nigeria
Prof. Olalekan Fatoki,
South Africa
Dr. Geoffrey Otieno,
Nairobi, Kenya

ACTIVITIES

Day 1: Sunday, 8th September, 2019

- >Arrival of CSN Exco & National Council Members.
- >Arrival of Chapter's Finalists for Annual National Chemistry Competition.
- >CSN National Executive Council Meeting

Day 2: Monday, 9th September, 2019

- >Conference Advocacy and Awareness Road Walk (Keeping fit for EKO 2019.)
- >Arrival of other Participants & Delegates
- >Onsite Registration of participants
- >Annual National Chemistry Competition
- >CSN National Council Meeting
- >CSN/ACRICE Networking event

Day 3: Tuesday, 10th September, 2019:

- >Onsite Registration Continues

Plenary Session I

- >Opening Ceremony/Keynote Address
- >Tea Break
- >Award Ceremony for Annual Chemistry Competition Winners
- >CSN Biennial Special Awards
- >Lunch
- >Poster Presentation Commences
- >CSN Annual General Business Meeting (ABGM)
- >Presidential Welcome Cocktail.

Day 4: Wednesday, 11th September, 2019:

- >Annual Women in Chemistry Breakfast

Plenary Sessions II & III

- >Capacity Building Training Workshop for Chemistry Teachers (Secondary & Tertiary)
- >Parallel Activities (Technical/Scientific Sessions): ACRICE and CSN.

Day 5: Thursday, 12th September, 2019

Plenary Sessions IV & V

- >Parallel Activities (Technical/Scientific Sessions): ACRICE and CSN

- >Excursion/Sight Seeing/Courtesy Visits
- >Annual Conference Dinner & Award Night

Day 6: Friday, 13th September, 2019

- >Departure of participants

CONNECT INSPIRE LEARN ADVANCE

EKO 2019 attracts over 1000 executives in private and public sector across chemical and allied businesses, including:

Financial Institutions	Constructions	Paint and Coating
Regulatory Bodies	Plastics & Polymers	Agrochemicals
Chemical Manufacturers	Educational Institutions	Electronics Equipment/IT
Health Management Organisation	Household/Consumer Products	Pharmaceuticals
Petrochemical & Energy	Textile & Materials	Food & Beverages
Chemical Raw Materials Marketers	Chemical R&D Services	IT Companies

ARTICLES:

SUBMIT
VIA
EMAIL

ABSTRACT/FULL
PAPERS

ABSTRACT TEMPLATE/
GUIDELINES AVAILABLE ONLINE

orals@chemsociety.org.ng

posters@chemsociety.org.ng

Deadline for submission: May 17th, 2019.

REG. INFO

REGISTER & PAY ONLINE WITH **VISA** **MasterCard** **Verve** CARD
Available at: www.chemsociety.org.ng

Membership	Early bird ends April 20th, 2019	Standard ends June 22nd, 2019	Registration at Conference Venue
CSN Fellows	N25,500	N26,500	N30,500
CSN Members	N15,500	N16,500	N20,500
Non-CSN Members	N30,500	N31,500	N35,500
Students	N6,500	N7,500	N11,500
FASC/RSC/ACS Members	\$300	\$310	\$350
Other Foreign Participants	\$325	\$335	\$325

CONTACT

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Mr Kehinde O. Oisemaye
CSN National Publicity Secretary
nat.pubsec@chemsociety.org.ng
+234-803-267-8449; +234-808-888-8095

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PAYMENT ADVICE

Cheque, bank draft, online transfer should be made payable to
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- **70th Annual Meeting of the International Society of Electrochemistry, Durban SA**

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4 - 9 August 2019
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Electrochemistry: Linking Resources
to Sustainable Development



<http://annual70.ise-online.org>
e-mail: events@ise-online.org

<https://annual70.ise-online.org/>

This year the **Annual Meeting of the International Society of Electrochemistry** (ISE) will be hosted in **Durban, Republic of South Africa** (<https://annual70.ise-online.org/index.php>).

AMRS2019

The 10th International Conference of the African Materials Research Society (AMRS2019) will be held in Arusha, Tanzania from 11-14 December 2019. The Tanzania AMRS2019 will draw

participants from around the world, with an anticipated attendance of approximately 600. At its heart, the AMRS series of conferences allows the scientific and research communities to build knowledge, foster relationships and promote action for further understanding and collaborations in the broad fields associated with materials science and technology. The themes of AMRS2019 reflect both the needs of the global research community for Africa development. The themes of AMRS2019 reflect both the needs of the global research community such as energy and health, as well as the needs that are specific to Africa.

AMRS2019 Conference Themes: 1. Materials for **HEALTH** | 2. Materials for **SUSTAINABLE BUILDINGS & CONSTRUCTION MATERIALS** | 3. Materials for **WATER & ENVIRONMENTAL MITIGATION TECHNOLOGIES** | 4. Materials for **NANOSCIENCE/NANOTECHNOLOGY** | 5. Materials for **MINING & MINERAL PROCESSING** | 6. MATERIALS FOR AGRICULTURE/ENVIRONMENT | 7. Materials **EDUCATION/NETWORKING IN MATERIALS SCIENCE & ENGINEERING** | 8. MATERIALS FOR ENERGY | 9. COMPUTATIONAL MATERIALS SCIENCE | 10. MANUFACTURING & STRUCTURAL MATERIAL

Contact: amrstanzania@gmail.com

Frank Warren Conference



Frank Warren
Conference 2019
Drakensberg - South Africa



First call for abstracts

The organising committee, on behalf of The Organic Division of the South African Chemical Institute is proud to announce the first call for abstracts for the **2019 Frank Warren Conference** to be held in the Drakensburg, from the **7th – 11th July**.

Planning is well under way to ensure that the Frank Warren follows in the best traditions of this important event in the South African chemistry calendar.

For conference details please visit our website

<http://www.saci.co.za/FW2019/index.html>

26th IUPAC International Conference on Chemistry Education



SAVE THE DATE

26th IUPAC International Conference on Chemistry Education



“Education is the most powerful weapon which you can use to change the world.” *by Nelson Mandela*

ICCE 2020 PROGRAMME THEMES

- Curriculum and Systems Thinking in Chemistry Education
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- Teacher Education, Development and Learning Communities
 - Teacher Knowledge
 - Assessment
- Practical Work in Chemistry
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- Modelling in the Teaching of Chemistry

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Chemical security in Kenya

Article on “Chemical security in Kenya” (KCS and Chemical Threat Reduction in Kenya)

The full article will be published next month. The first page is attached

For those requiring a copy contact

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KENYA CHEMICAL SOCIETY CHEMICAL SECURITY IN KENYA

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Introduction

There is no doubt that chemicals play a significant role in the modern world. However, chemicals have a dual nature and the use of chemicals has also led environmental pollution and atrocities especially during the world war. The term dual use of chemicals is used to describe the fact that chemicals can be beneficial and but at the same time find nefarious applications. This dual use of chemicals led to chemical safety best practices designed to protect people from accidental exposure to chemical hazards. Chemical security on the other hand are the best practices designed to protect the chemicals from those who intentionally use chemicals to cause harm. The intentional use of chemicals to cause has dates back to 600 BC but was most significant during the first world war. Interestingly prominent chemists such as Fritz Haber (1918 Nobel Prize), Victor Grignard (1912 Nobel Prize), Henning Nernst (1920 Nobel Prize), contributed significantly towards the development of chemical weapons used in the first world war (Walter, Ho, & Hardesty, 2015) which brings to light code of ethics in chemistry, however, that is not within the scope of this article. The use of chemicals in war, which caused unnecessary suffering to the soldiers and civilians, led to several international agreements to ban the use of chemical weapons. The most successful of these agreements is the Chemical Weapons Convention (CWC) which entered into force on 1 April 1997 and has now been acceded or ratified by 113 member states (OPCW, 2019). Despite 98% of the world having ratified or acceded to the CWC, chemical weapons continue to be misused in the world. Terrorist groups such as the Aum Shinrikyo (Walter, Ho, & Hardesty, 2015), ISIS and Al-Qaeda (CIA, 2019) as well as member states such as Syria (OPCW, 2019) and Iraq (Walter, Ho, & Hardesty, 2015) have reportedly continued to use chemical weapons. In this regard, Chemical Security best practices designed to protect chemicals from with nefarious intentions, continue to be an important global tool in pursuit of world peace.

The Kenya Chemical Society (KCS) has been spearheading the implementation of chemical security in Kenya, to mitigate against the intentional misuse of chemical weapons by groups such as Al-Shabab who continue to commit atrocities in the region, the most recent being in January 2019 at a hotel in Nairobi (Daily Nation, 2019). This article highlights some of the chemical security projects that the KCS has been implemented in Kenya and the region.

www.kenyachemicalsociety.org