



FASC Newsletter 8, September 2023

For those Early Career Chemists in the Commonwealth countries the Commonwealth Poster Competition (virtual) takes place in early October and submissions are required this month. The report of the Green Chemistry event held in July is available; two emerging young chemists won prizes at the event. The past month was dominated by a good attendance of African chemists at the IUPAC meeting (attendees and committee members) held in the Netherlands and reports on this will follow.

Neil Coville, 2023.

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CONFERENCES/WORKSHOPS (Africa)

- West Africa

Nigeria

46th International Conference, Nigerian Chemical Society

- North Africa

Tunisia

OCC and SEPM conference, Tunisian Chemical Society

Algeria

1st International conference on Environment Technologies and Sustainable Energy (ICETSE2023)

Mauritania

Fourth International Chemistry Day

- **Southern Africa**

South Africa

CATSA 2023; Catalysis Society of South Africa

16th Frank Warren conference (organic chemistry)

SACI Inorganic and Carman 2024

CONFERENCES/WORKSHOPS (International)

- Biophysics in Africa conference,
- 4th Commonwealth Chemistry Posters Event

DETAILED CONFERENCE INFORMATION

See adverts at the end of the Newsletter

See FASC website for data on conferences <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 Journal of Chemistry etc., has been loaded onto the site. <https://www.faschem.org/>

FASC membership and invoices**Payment of fees**

Online payment is now available to all Members and Societies

Please email fasc.chem@wits.ac.za and request an online payment link – Note it will be in ZAR. The Equivalent daily rate will be used when the payment link is created. You can enter card details via a safe site.

Mrs Laila Smith

Membership Fees

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

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@wits.ac.za

CHEMISTRY NEWS**FASC news**



i) **FASC Congress first announcement**
7th ANNUAL DAYS OF CHEMISTRY OF SENEGAL AND 9th
FASC CONGRESSES
(FASC|JACS 2024)

Chemistry, a lever for sustainable development of African countries
19-21 November 2024, Radisson Blu Hotel, Dakar Sea Plaza, Senegal
FIRST ANNOUNCEMENT

Overview

Senegal will host the African Chemical Societies for the General Assembly of the Federation of African Societies of Chemistry (FASC). It will be held in conjunction with the Annual Days of Chemistry of Senegal (Journées Annuelles de Chimie du Sénégal - JACS), the major event of the Senegalese Committee for Chemistry (CSC), from 19 to 21 November 2024 at Radisson Blu Hotel, Dakar Sea Plaza, Corniche Ouest, Dakar, Senegal. The conference is themed "**Chemistry, a lever for sustainable development of African countries**".

FASC|JACS 2024 will be jointly organized by CSC and FASC along with their partners among which are RSC, ACS, IUPAC, OPCW and West African Society of Chemistry (SOACHIM/Senegal) and in collaboration with Senegalese universities. The aim of this conference is not only to bring together Africa's scientific, technological and industrial communities, but also to rethink together a structurally sustainable development centered on mankind and its priority investments. Chemistry is heavily involved in solving problems of African societies linked to health, energy, environment, water supply and nutrition, and therefore plays a key role in the sustainable development of African countries.

The Covid 19 crisis revealed the fragility of African economies and the need for genuine policies of sovereignty in the fields of pharmaceuticals, health, food, energy and more.

Africa has a very low profile at IUPAC. Senegal is one of 4 African countries and the only French-speaking member of IUPAC, with CSC as its National Adhering Organization. This conference is an opportunity for FASC and IUPAC to recruit new members.

Topics

The following topics will be developed around this general theme:

1. Green chemistry
2. Sustainable materials
3. Water and environment
4. Electrochemistry and nanotechnology
5. Chemistry and health
6. Miscellaneous

Abstracts

Abstracts for all oral and poster presentations must be written in English, on a single page, in Word format (1.15 line spacing, Times New Roman font, size 12) and include the title, authors and affiliations, abstract text, keywords and references (if any). Abstracts should be submitted simultaneously by e-mail to the following 3 addresses:

- Prof. Matar Seck: matar.seck@ucad.edu.sn
- Prof. Modou Fall: modou.fall@ucad.edu.sn

African Academy of Science news

i) Governing Council 2023

A new Governing Council has been elected recently. The Chemical Sciences have always been well represented on the AAS. This time, **Prof Kenneth Ozoemena** has been elected as the Vice President for the Southern Africa Region. Prof Ozoemena is an **electrochemist** and is on the staff at the University of the Witwatersrand.

The African Academy of Sciences (AAS) is today welcoming a new Governing Council led by prominent scientist Professor Lise Korsten who is the first woman President to lead the Academy. She will serve for a three-year term running from 2023-2026.



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The Governing Council is the Board of Directors of the African Academy of Sciences tasked with providing oversight for the overall functioning of the Academy. It currently consists of eight members elected by the General Assembly.

Prof. Lise Korsten takes over from Prof. Felix Dapare Dakora, a Ghanaian plant biologist who served as the AAS President for two terms from 2017 to 2020 and from 2020 to 2023.

The new AAS President is a professor in plant pathology at the University of Pretoria in South Africa. She is also the Co-Director of the Department of Science and Innovation (DSI), Centre of Excellence in Food Security in South Africa.

The Governing Council members are distinguished scientists who bring a wealth of experience and are from Burundi, Burkina Faso, Cameroon, Kenya, Nigeria, Tunisia and the Republic of South

Africa.

The new Governing Council members officially begin their three-year terms from July 2023 – July 2026 and can serve a maximum of two terms. The new GC members are:

- The President: Professor Lise Korsten
- The Secretary General: Professor Friday Okonofua
- The Treasurer: Professor Stephen Agong
- The Vice President for the Northern Africa Region: Professor Akiça Bahri
- The Vice President for the Eastern Africa Region: Professor Juma Shabani
- The Vice President for the Western Africa Region: Professor Paco Sereme
- The Vice President for the Central Africa Region: Professor Godfrey Tangwa
- The Vice President for the Southern Africa Region: Professor Kenneth Ozoemena

From the AAS newsletter

African Chemical Societies and Other News

i) Senegal

Senegal will host the African Chemical Societies for the General Assembly of the Federation of African Societies of Chemistry (FASC). It will be held in conjunction with the Annual Days of Chemistry of Senegal (Journées Annuelles de Chimie du Sénégal - JACS), the major event of the Senegalese Committee for Chemistry (CSC), from 19 to 21 November 2024 at Radisson Blu Hotel, Dakar Sea Plaza, Corniche Ouest, Dakar, Senegal. The conference is themed "Chemistry, a lever for sustainable development of African countries" (see above for more details).

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ii) Mauritania

The Mauritanian Chemical Society are organising their fourth International Chemistry Days (JIC 2023), 09 to 11 December 2023 at the Nouakchott Hotel; Nouakchott; Mauritania.
<https://www.scm Mauritania.org/jic2023/>

Contact M A Sanhoury (JIC 2023 Committee) for information; also, the advert at the end of the newsletter

African Physical Society

From: African Physical Society - Biophysics in Africa <secretariat@africanphysicalsociety.org>

Subject: "Reminder: Call for abstracts and registrations - Biophysics in Africa Conference (25-29 September by Zoom)

This note is a reminder of the Biophysics in Africa conference, 25-29 September 2023,
<https://conference.africanbiophysics.org>.

Both the African Light Source Foundation and the African Physical Society very much hope you will personally participate as well as the Federation of African Societies of Chemistry as an organization.

We take a very wide view of biophysics that embraces all physical, engineering, and medical biosciences, all for the purposes of improving animal, human, and plant health, and enlarging the African bioeconomy.

In the meantime, please review *The African Biophysics Landscape: A Provisional Status Report* by Kruger, et al. This report was developed as part of the African Strategy for Fundamental and Applied Physics (ASFAP). One of the things we might want to do is ignite ASFAP-like processes for all the cognate fields that make up biophysics. This will be amongst the topics we hope to discuss in September.

*Tjaart Kruger
Trevor Sewell
Lawrence Norris
Conference Organizers*

Top 10 Emerging Technologies 2023

It is important to note that many of these technologies have a chemical science component to them

Frontiers and the World Economic Forum have co-published a new report identifying the technologies poised to have the biggest positive impact on society over the next three to five years. Curated by an international steering group of experts, the technologies were selected from nearly 100 contenders - based on criteria including novelty, applicability, depth, and power. As this year's knowledge partner, Frontiers collaborated with the Forum to identify experts from its far-reaching research community to provide further analysis of the technologies.

For more than a decade, the report has helped business leaders, innovators, policymakers, and other professionals across industries and disciplines anticipate developing technology and understand the associated risks and opportunities. The 2023 report has broadened its scope for the first time, incorporating a qualitative assessment of how each technology will impact people, the planet, prosperity, industry, and equity. These "impact fingerprints" are based on data gathered from more than 90 experts across 20 countries. They offer in-depth analysis of how the technology is predicted to influence society within the next five years. The academics were selected from Frontiers' network of scientific journal editors, while industry leaders were selected from the WEF's Innovator Communities.

Top 10 Emerging Technologies of 2023 will also include a collection of Transformation Maps curated by Frontiers for each of the ten technologies:

- Flexible batteries
- Generative artificial intelligence
- Sustainable aviation fuel
- Designer phages
- Metaverse for mental health
- Wearable plant sensors
- Spatial omics
- Flexible neural electronics
- Sustainable computing

- AI-facilitated healthcare

The release of the report comes during the World Economic Forum's 14th Annual Meeting of the Champions in Tianjin, People's Republic of China, taking place 27-29 June 2023. In a return to the tradition of the Forum's "Summer Davos," the meeting gathers global leaders from business, government, civil society, international organizations, as well as from among innovators and academics. This year's theme is 'Entrepreneurship: The Driving Force of the Global Economy.'

Frontiers' chief executive editor, Frederick Fenter, who has served an integral role in the collaboration and is facilitating several sessions in Tianjin, said: "It is part of our mission to bring an actionable understanding of cutting-edge technology to all those in a position to accelerate the research-innovation cycle, including the leaders of business and industry. This report, and the sessions taking place over the next few days, will improve our awareness of ten technologies that promise to breakthrough, thus leading to important new products and services to the benefit of us all. We look forward to ongoing collaborations with the World Economic Forum as we continue to build bridges and open the dialogue among key players in research, industrial innovation, and policymaking."

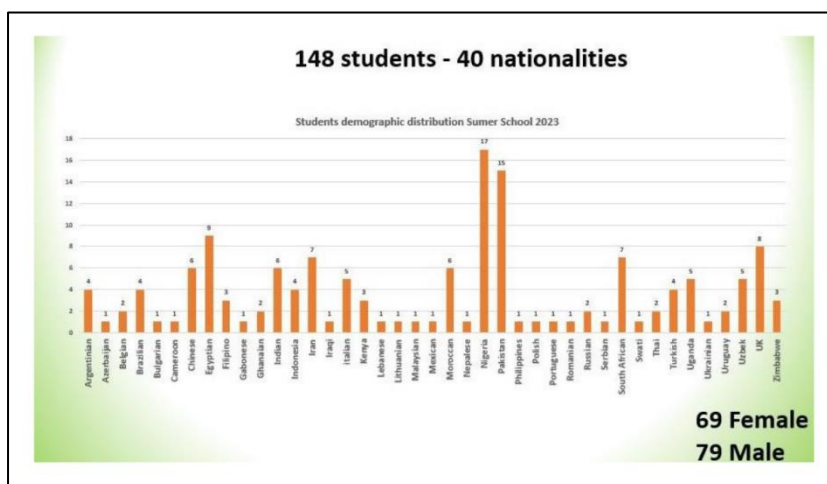
Jeremy Jurgens, managing director of the World Economic Forum and head of the Centre for the Fourth Industrial Revolution, said: "New technologies have the power to disrupt industries, grow economies, improve lives, and safeguard the planet – if designed, scaled, and deployed responsibly. We hope that this year's report serves as a powerful tool for business leaders and policymakers to unlock the transformative potential of emerging technologies and shape their inclusive adoption."

Taken from the web

Emerging Chemists' News

i) Report: Green Chemistry postgraduate summer school

Students attending were from 40 different Nationalities, with many from African countries (see Figure)



POSTER WINNERS AWARDS

The scientific quality of the presented posters has enormously increased compared to the previous editions of the School, as it appears that most of the underdeveloped regions are acquiring the high-level scientific instrumentation. 76 Posters were received, and the students had the opportunity to expose their research work at the poster sessions from Monday 3rd July to Friday 6th July, for a total of 6 poster sessions. The poster sessions can be considered a highlight of the Summer School, for the originality and the diversity scientific value of the contributions, for the

significant number of young people that shared their research with the other attendees and for the interest shown by the participants. During the poster awarding ceremony, six participants were awarded for their posters and gave an oral presentation on their work.

There were 6 Awards: 5 by the Green Sciences for Sustainable Development Foundation for both online and in presence poster presenters, and 1 honorable mention by Ca' Foscari University only for in person presenters. African chemists did well at the event:

The in-person poster winner of the Ca' Foscari University with honorable mention was:

Soulaima Chkirida – Moroccan Foundation of Advanced Science Innovation and Research MAScIR, Composites and Nanocomposites Center, Rabat Design Center, Madinat Al Irfane, Rabat, Morocco Poster title: “New in-situ magnetic alginate coated chitosan core shell beads with excellent performance in simulated and real wastewater treatment: behavior, mechanisms, and green perspectives”

A winner of the Green Sciences for Sustainable Development Foundation Awards was Vuyolwethu Tokoyi – Durban University of Technology, Faculty of Applied Sciences, P O Box 1334, Durban, South Africa Poster title: “Application of ZIF-8/ionic liquids for the conversion of glucose extracted from sugarcane bagasse to biochemicals”

The Award consists in an original print of Venice, was given to the winners during the Closing Ceremony.

The winning students presented their research work with a PowerPoint presentation during the Closing Ceremony on the last day of the Summer School 2023

Taken from report: <https://www.greenchemistry.school/>

Royal Society of Chemistry News

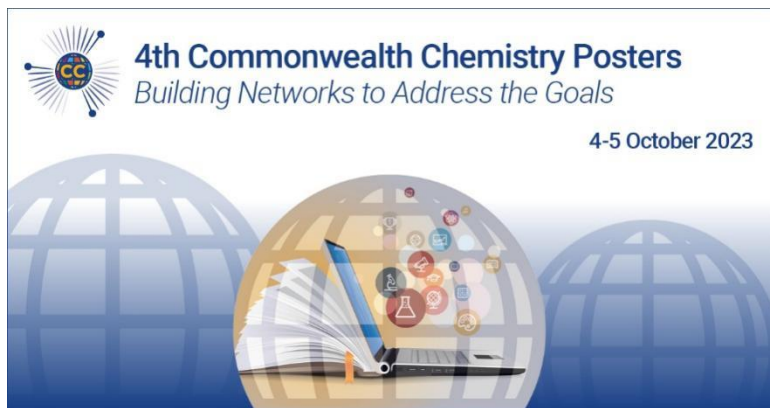


- i) **PACN meeting in Kenya;**
November. More details later

Commonwealth Chemistry

- i) **4th Commonwealth Chemistry Posters**

Please note that Commonwealth Chemistry Posters is only open to those currently residing in a Commonwealth country, or those who are Commonwealth nationals.



<https://commonwealthchemistry.org/event/4th-commonwealth-chemistry-posters/>

secretariat@commonwealthchemistry.org

4 - 5 October 2023

A unique opportunity awaits you at this year's online 4th Commonwealth Chemistry Posters, the only virtual chemistry posters event that is delivered by and for Commonwealth countries, to bring together chemists from across the Commonwealth working on similar and complementary challenges to tackle the UN Sustainable Development Goals (SDGs).

Do you want to connect with other chemists working in similar areas and facing similar challenges? Would you like to grow your networks and seek new connections and collaborations? Then join us for our 4th annual online poster event.

If you are an early career chemist, you will also have the opportunity to present a poster of your work to a wider audience – a potential springboard to new opportunities and collaborations.

Abstracts due by 14 September

Why attend?

Early career chemists:

- Present a poster of your work to scientists from across the Commonwealth and reach a wider audience. You could also win a 'best poster' prize and be featured on our website
- Discuss your work with those who may be addressing the same sustainable development goals, share methodologies and challenges
- Grow your network and the potential for new collaborations at a critical time in your career

For established chemists:

- Expand your networks and discover new talent in your field
- Find out about research taking place around the Commonwealth, related to your area of interest
- Seek out potential new collaborations
- Help guide early career chemists by sharing your knowledge and experience

This event is free to attend and will take place in three two-hour sessions over 36 hours. All participants should attend two of the three sessions in order to maximise their networking opportunities with chemists from different countries. There will also be an opening ceremony.

Please note that Commonwealth Chemistry Posters is only open to those currently residing in a Commonwealth country, or those who are Commonwealth nationals.

Register to attend by 29 September

Contact us to register as a judge

The Commonwealth Chemistry Posters event is entirely online. The posters will be available to view throughout the event and you can submit questions to the presenters at any time via a contact button. You can also attend one of our three live sessions to talk to the presenters directly.

These three two-hour sessions will be timed over the event to provide networking opportunities between attendees from different countries across different time zones. All participants should attend at least **two** sessions to maximise their opportunities to meet chemists from across The Commonwealth.

Session #1

Wednesday 4 October 15:00 – 17:00 GMT/UTC

Session #2

Thursday 5 October 00:00 – 02:00 GMT/UTC

Session #3

Thursday 5 October 08:00 – 10:00 GMT/UTC

Please note that all times are in **GMT/UTC time zone**, take a look at our [start time chart](#) to see what time each session starts for you.

Registration is free to chemists from across the Commonwealth and includes:

- access to view posters on our online platform
- access to networking platforms to discuss the posters and your work with other attendees
- attendance at the drop-in sessions

Whilst this event is free to attend, **registration is essential**, as all attendees will need a unique login for access. This will be sent a few days before the event and will provide access to the event platform.

The Royal Society of Chemistry is providing support to Commonwealth Chemistry by managing the registration process. Registration is subject to their event booking [terms and conditions](#).

If you would like to present a poster, you must submit an abstract and indicate which of the SDGs your work primarily contributes towards. You must do this before **14 September**. Abstracts will be reviewed and you will be contacted shortly after the deadline if you are successful. You will be sent a link and asked to submit/build your poster on our poster platform. In order to display your poster at the event, this must be completed by **25 September**. The poster gallery will open ahead of the event on Thursday 28th September.

There will be posters on display addressing a wide variety of the UN Sustainable Development Goals.

For more information on abstract submission, please see our abstract guidelines.

Commonwealth Chemistry Secretariat

Follow Commonwealth Chemistry on Facebook

African Journals of Chemistry

African Journal of Chemical Education (FASC)

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

See the FASC website for a complete list of Journals

CONFERENCES/WORSHOPS (AFRICA)

West Africa

Nigeria

- **46th International Conference, Nigerian Chemical Society**, Awka, Nigeria 17-22 September 2023

North Africa

Algeria

- **1st International conference on Environment Technologies and Sustainable Energy (ICETSE2023)**, October 17-18, 2023, Tipaza, Algeria www.icetse.crapc.dz

Mauritania

- **Fourth International Chemistry Days (JIC 2023)**, 09-11 December 2023, Nouakchott Hotel; Nouakchott; Mauritania. <https://www.scm Mauritania.org/jic2023/>

Southern Africa

South Africa

- **CATSA 2023**, Catalysis Society of South Africa, Mossel Bay, South Africa. 14–17th November 2023
- **16th Frank Warren conference (organic chemistry)** 3-6 Dec 2023, Polokwane, South Africa. <https://www.saci.co.za/FW2023/>
- **SACI Inorganic and Carman 2024** 4-6th June 2024, Drakensberg Mountains, South Africa

Conferences/Workshops (International)

- **Biophysics in Africa conference**, 25-29 September 2023, <https://conference.africanbiophysics.org>.

The African Light Source Foundation and the African Physical Society invite you to a *Biophysics in Africa* conference preview Zoom meeting on Tuesday, September 5, 2023, 16h -17h GMT+2.

<https://us02web.zoom.us/j/82013593058?pwd=UEprczAvckNVSkIxZW5hV2lJVzM1dz09>

Meeting ID: 820 1359 3058

Passcode: 508135

At this meeting we will preview the conference program, including movements towards a Pan African biophysics society. Additionally, we will preview other events coming in the next few months regarding the African light source project.

The conference itself is scheduled for 25-29 September 2023, <https://conference.africanbiophysics.org>. Both the African Light Source Foundation and the African Physical Society very much hope you will personally participate as well as both Federation of African Societies of Chemistry as organizations.

On the former we of course mean you giving a talk on your research. On the latter we very much hope that FASC will present a whitepaper in a session on the status of biophysics research and training on the continent as well as on steps we might take towards establishing a Pan African biophysics professional society. We take a very wide view of biophysics that embraces all physical, engineering, and medical biosciences, all for the purposes of improving animal, human, and plant health, and enlarging the African bioeconomy.

We hope to have another global membership drive, and we are very happy to include FASC and display the organization's logo on the conference website.

In the meantime, please review *The African Biophysics Landscape: A Provisional Status Report* by Kruger, et al. This report was developed as part of the African Strategy for Fundamental and Applied Physics (ASFAP). One of the things we might want to do is ignite ASFAP-like processes for all the cognate fields that make up biophysics. This will be amongst the topics we hope to discuss in September.

Thanks again, and very best regards.

Tjaart Kruger, Trevor Sewell, Lawrence Norris
Conference Organizers

Conference information



First Announcement and Call for Abstracts

Warm greetings from the Analitika Conference Organizing Committee!

We are thrilled to extend a heartfelt welcome to the upcoming Analitika 2024 conference set amidst the breathtaking landscapes of Drakensberg, South Africa, on 10-14 March 2024. The conference venue is Champagne Sports Resort, situated in the Central Drakensberg.

Analitika conference which is organized by the four divisions (Analytical, ChromSA, SAAMS and ThermSA) of South African Chemical Institute (SACI) takes place in South Africa, every four years. As leaders, innovators, and professionals in the field of analytical chemistry, your participation promises to enrich our event with insightful discussions, groundbreaking research, and collaborative opportunities. The Analitika 2024 conference serves as a platform to connect, share knowledge, and explore the latest advancements in analytical science that are shaping futures worldwide.



Key Dates:

| | |
|---------------------------------|--------------------|
| Congress registration opens | 26 September 2023 |
| Final call for abstracts | 1 October 2023 |
| Abstract submissions close | 15 November 2023 |
| Notification to authors | 15 December 2023 |
| Early-bird registration closes | 16 January 2024 |
| Provisional programme available | 12 February 2024 |
| Conference dates | 10 - 14 March 2024 |

<https://analitika.carlamani.com/>

The conference is planned to comprise parallel oral presentations and poster sessions, presented by national and international speakers. The scientific programme is inclusive of plenary and keynote speakers. All researchers in the fields of analytical sciences from various spheres such as academia, research institutions, industry, regulatory bodies and government parastatals are invited to submit abstracts and attend the conference.

From invigorating discussions to cultural experiences, the Analitika 2024 conference offers a comprehensive and memorable experience. On behalf of the organizing committee, we eagerly anticipate your presence at the Analitika 2024 conference. Your insights and enthusiasm are integral to the success of this event, and we look forward to sharing an unforgettable experience in Analitika 2024 conference.

Prof Lawrence Madikizela (Chairperson) and
Prof Patricia Forbes (Deputy Chairperson)
Analitika 2024

Abstract Submissions:

Abstracts are invited for submission via the online platform:

- Abstracts should be written in English with all the authors and their association(s) listed.
- The body of the abstract may not exceed 300 words. It should describe the general theme of the presentation and a brief overview of the methods and results.
- No references are required in abstracts but should be included in presentations.
- Submission of an abstract does not guarantee acceptance; all abstracts will undergo a systematic review selection process

analitika@carlamani.com

الجمعية الكيميائية التونسية
 Tunisian Chemical Society




Solid Chemistry Conference
SCC 2023

17-20
 December 2023

Barceló Concorde
 Green Park Palace Hotel
 Port El Kantaoui, Sousse, Tunisia

More Informations on
sctunisie.org/scc2023













INORGANIC AND CARMAN
 2024

SUSTAINABILITY CHALLENGES
 COLLABORATIVE SOLUTIONS

**CHAMPAGNE SPORTS RESORT
 CENTRAL DRAKENSBERG
 KWAZULU-NATAL
 SOUTH AFRICA**

SAVE THE DATE: 2 – 6 JUNE 2024

Contact chairperson for more info: singht1@ukzn.ac.za
<https://www.saci.co.za/INORG2023/>

