



ACS Nigeria Digest

4th Quarter, 2025 Publication

Volume 1, Issue 2



ACS Chapter
Nigeria

<https://acsnigeria.org/>

<https://linkedin.cocm/com/in/american-chemical-society-nigeria-international-chemical-sciences-chapter>

A quarterly newsletter of the American Chemical Society – Nigeria International Chapter



**To the Esteemed Members of the
ACS Nigeria International Chapter**

From the Chair's Desk

First, on behalf of the Executive Committee, I extend our heartfelt appreciation to all members of the ACS Nigeria International Chapter for your unwavering support, steadfast commitment to ACS values, and the remarkable energy you invested in delivering an array of outstanding initiatives throughout 2025.

Suffice to reiterate that we began the year with a clear vision and timelines, and we endeavoured within our capacity to deliver on those set targets. Our objective was to align with ACS's four strategic goals for 2025–2029 by implementing well-designed programs with clearly defined, measurable outcomes. Below is a summary of the key milestones achieved under each strategic goal:

1. Elevating the reputation of the Chapter: We successfully hosted the annual symposium in collaboration with the National Open University of Nigeria in Abuja, Nigeria. The event drew over 300 attendees and culminated in the celebration of 10 years of ACS in Nigeria. Over 30 student chapters held various activities across the length and breadth of Nigeria. Currently, we do have at least two ACS student chapters in each geopolitical zones of Nigeria. Many of the chapters hosted impactful Chemical Science activities throughout the year. We also created a Publications and Newsletter Sub-Committee led by Dr. Olubunmi Atolani and the committee has produced the chapter's first Newsletter with the second edition nearing final stage. Our Social Media outlets have been very dynamic with increased followers. These activities have truly elevated the visibility and reputation of the chapter.

(Cond. on page 2)

Editorial Team

1. Olubunmi Atolani
2. Kelechi P. Kanu
3. Teghetegh F. Samoh
4. Michael Afolayan
5. Segun S. Ojo
6. Mary O. Yakubu
7. Hector H. Oyem
8. Emmanuel E. Etim
9. Muhammad Abubakar



**Professor
Olufunso Abosede**
Chair, ACS-Nig, FUO Chapter

Prof. Olufunso Abosede Clinches 2 institutional awards

With excitement and explosive joy, the entire ACS-Nig felicitate the distinguished Prof. Olufunso Abosede upon his receipt of the prestigious accolades: Most Visible Researcher of the Year and Best Lecturer of the Year — two awards, emerging from a milieu of 18 university-wide awards at the 2025. The award was announced at the end-of-year award and ceremony of the Federal University, Otuoke.

Prof. Abosede's accomplishments have precipitated a euphoric stoichiometric balance of triumph, inducing a polymeric chain of institutional and international effervescence!

The accomplishments catalysis pedagogic thermogenesis have clearly reached critical mass.

ACS-Nig wishes him more profound accomplishments.

Prof. Abosede Funsho is a vibrant member of the ACS-Nig International Chapter.

Congratulations

To the Esteemed Members of the ACS Nigeria International Chapter

(Cond. from front page)

2. Empower Scientists: To advance this goal, we established a Sub-Committee on Activities and Outreach, chaired by Dr. Felicia Ejiah and comprising twenty members. Their mandate was to design and deliver high-quality initiatives that empower our members both scientifically and professionally. Thanks to their efforts, we successfully hosted two impactful webinars on topics such as 'Effective Poster and PowerPoint Presentation Skills' and 'Safety in the Laboratory and Industrial Workplace.' Each session attracted over 100 participants and received highly positive feedback.

3. Enhanced Community Engagement: Throughout year 2025, the chapter has sustained enhanced community engagements through various activities including the Chemists Celebrate Earth Week, National Chemistry Week, Chemistry Festivals, and Industrial Visits. Our Sub-committee on Students Chapters led by Professor Atim Johnson in partnership with our Sub-committee on Activities and Outreach led by Dr. Felicia Ejiah have been very pivotal in our archiving our targets within this strategic goal.

4. Delivery of Innovative Solutions: The chapter is excited about the success of her implementation of the e-voting system in this year's election. Adapting this innovation ensued greater

participation in the process as well as transparency. We appreciate the hard work of the secretariat led by our indefatigable Secretary, Dr. Thompson Izuagie.

We appreciate all our members for their patience and participation in this new process which also endorsed our new by-laws.

The chapter's achievements culminated in various global recognitions including the ChemLuminary and the Outstanding International Chapter awards. It is worth of mention that our pioneer Chair and founding team member Professor Joshua Obaleye was elected to serve as a Zone Councillor while we have other members including Prof Ganiyat Oloyede serving in ACS Committees.

As we embark on a new year, our resolve to advance the strategic imperatives remains steadfast. The success of our 2026 initiatives hinges entirely on the continued engagement and support of you, our esteemed members. We commence the year with our 11th Annual Symposium, scheduled for February 8–11, 2026, at the International Conference Centre, University of Ibadan.

In addition, the ACS will commemorate its sesquicentennial (150th) anniversary, and the Nigeria (Society) Chapter is honored to host two symposia as part of this historic

celebration. The first will take place during the ACS Spring Meeting in Atlanta, Georgia, under the theme 'Chemistry for Life in Africa: Safe Water, Clean Energy, Healthy Futures.' The second will be featured at the 30th Annual Green Chemistry and Engineering Conference in San Antonio, Texas, with the theme "Energy Transition in Africa and Beyond: Bridging Policy, Innovation, and Inclusion"

Finally, I wish to express my profound gratitude to all members of the Executive Committee—Professor Tolupe Fasina, Professor Ruth Adelagun, Dr. Thompson Izuagie, and Professor Joshua Obaleye. My appreciation also extends to the dedicated members of our various sub-committees, the student chapter executives, faculty advisors, and indeed every member of the ACS Nigeria International Chapter. Your contributions are deeply valued and sincerely acknowledged.

It is my pleasure to further express profound gratitude and appreciations to the ACS Office for global engagement, the ACS International Activities Committee and ACS officers including Michael B. McGinnis, Jennifer Nielson, Dr Sandra Ross, Lana Natti; Christina McCoy, Jishyra Serrano.

Thank you all.

Happy New Year and Best Wishes for a more crystalizing and impactful successful year!



10th anniversary

ACS Conference; Abuja 2025 was a goal



The American Chemical Society (ACS) Nigeria International Chemical Science Chapter recently marked a significant milestone with its 10th Annual Symposium, bringing together renowned chemists, chemical professionals, researchers, and

industry experts to share knowledge and advancements in the field of Chemical Sciences.

The symposium firmly re-affirmed that the synergy between AI and chemistry is unlocking unprecedented possibilities for a greener sustainable future and the unveiling of a

greater threshold of advancement and unimaginable innovations. The urgencies for a deep strategic synchronism of the AI in all chemistry disciplines cannot be overstated.

**The Unseen Heroes
of the Pharmaceutical
Industry**

Chemists are problem solvers!!!

OKEDIJI OLUWATOYIN ASAKE

(Member of ACS LAUTECH
Student Chapter)

During my industrial training program at a pharmaceutical company, my perspective on chemistry shifted forever.

Surrounded by sleek equipment and scientists in white coats, I felt excitement and nervousness. My supervisor, a renowned chemist, Mr Abass welcomed me warmly and introduced me to the team's work.

As I watched, Mr Kenny and his team analysed samples with precision, running tests for purity, potency, and stability. I was fascinated by their attention to detail. When Mr Dimeji pointed out a critical mistake when we went for raw materials sampling, I felt a shiver run down my spine. "This label says propylene glycol, but the GC-MS analysis reveals it's actually ethylene glycol," he explained. "If this had gone unnoticed, it could have led to serious health issues."

I realized that chemists play a vital role in ensuring product quality and safety. The staffs passion for chemistry was contagious. "Chemistry is everywhere," as they always say. "From medicines to food, chemistry plays a crucial role. As chemists, we have the power to make a



difference."

Their words resonated deeply with me. I felt a sense of purpose, knowing my work could impact lives. I shared my experiences with fellow students, encouraging them to explore chemistry. "It's not just about formulas and equations," I'd say. "It's about making a difference and improving lives."

The story of the pharmaceutical company reinforced my passion for chemistry. I hope it inspires you to explore this fascinating world, too. Note "the journey of a milestone started with a step. Therefore start now!!!"



ACS LAUTECH STUDENT CHAPTER UPDATE Highlights of recent activities!

Quiz Competition and Career Talk

We organized a successful quiz competition and career talk that attracted a large number of students. The event was well-organized, and participants expressed

satisfaction with the outcome. It showcased talent and provided insights into career opportunities in chemistry. During the quiz competition, we registered over 50

students as new ACS members! This milestone reflects a growing interest in chemistry and the benefits of being part of our community. More students are still eager to join.



Annual Symposium in Abuja

Our chapter members participated in the ACS Annual Symposium in Abuja, showcasing their commitment to academic excellence despite the distance. This experience offered opportunities for networking, learning, and growth.

Intra-School Activities

We regularly organize

intra-school activities to promote interest in chemistry. These events encourage exploration, learning, and camaraderie, making chemistry more accessible and enjoyable.

Our chapter aims to create an environment that fosters student growth and a passion for chemistry. We're dedicated to inspiring students to explore chemistry and pursue

careers in this field.

The ACS LAUTECH Student Chapter remains committed to fostering academic excellence, promoting chemistry awareness, and providing opportunities for growth and development. We're excited about future endeavours and look forward to continued success!

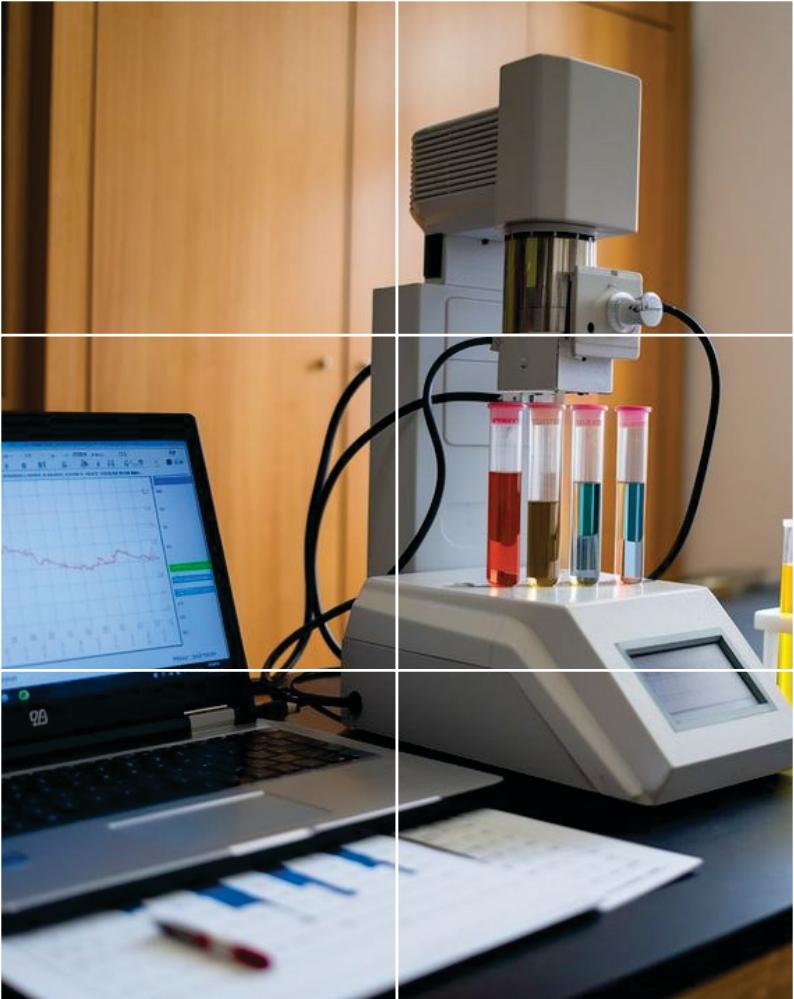


Global Women Breakfast

The ACS LAUTECH Student Chapter also organized the Global Women Breakfast (GWB 2025), which took

place on February 11, 2025, at Anglican Grammar School in Ogbomoso. We saw a large number of students

who were very interested in exploring the world of chemistry. The program was indeed a success.



Research Impact or Impact Factor in Chemical Sciences: Which Way?

– O. Atolani

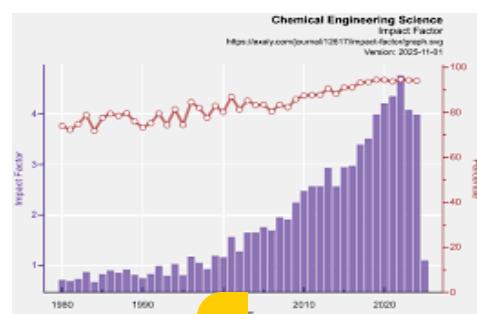
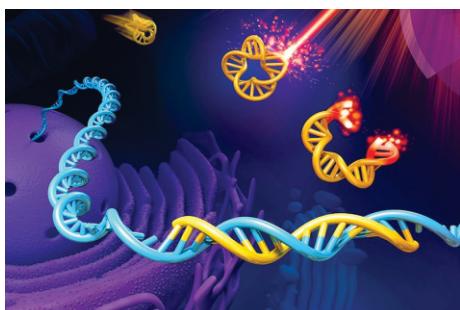
(Ph.D.) – Chemistry, University of Ilorin

Impact factor of publications has ascended to a paramount position as a quantifiable metric in chemical sciences among others, delineating the frequency with which scholarly articles in journals are cited, thereby exerting a profound influence on publication preferences, funding allocations, and academic tenure considerations. The prestige and perceived quality of a journal are often a function of its impact factor, which serves as a barometer of its reach and reputation within the chemical science

community. The excessive emphasis on impact factors can precipitate a distortion in research priorities, publication choices, funding prejudice, academic promotions, and institution ranking over fundamental or esoteric areas of researches with impact. However, emerging facts stand in contention that impact factor, citation indices and associated metrifications are often not a precise measure of research impact as many pivotal chemical researches were originally published in obscure low profile metric outlets. This commentary tends to

suggest a balanced approach to evaluating research impact of chemical sciences on the global community beyond publication metrics. As advocacy for impact factor and other metric continues to advance, it is imperative to reiterate that, scholarly chemical sciences output be adjudged on the premise of journal metrics or community impact?

Dr. O. Atolani is an Associate Professor of Organic Chemistry at the University of Ilorin, Nigeria.





Professor Ruth Adelagun

Delivers Landmark Inaugural Lecture at

Federal University Wukari

The Federal University Wukari (FUWUKARI) made history on July 9, 2025, as Professor Ruth Olubukola Ajoke Adelagun, a distinguished Professor of Environmental Chemistry and Director of the Centre for Gender Studies, delivered her inaugural lecture titled *"No Wastage: Coagulate the Broken Fragments."* The lecture which was held at the prestigious Professor Geoffrey Okogbaa Lecture Theatre was chaired by the Vice-Chancellor, Professor Jude S. Rabo, and drew a diverse audience of eminent Scholars, Industry leaders, Religious leaders, Traditional Rulers, students, and community members.

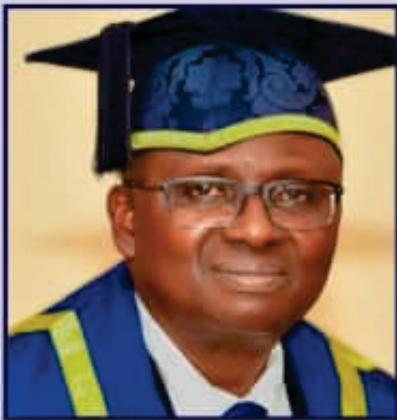
As the first female Professor in Federal University Wukari to present inaugural lecture, she explicitly highlighted the transformative potential of Science (Environmental Chemistry) in

tackling global challenges such as wastewater management, climate change, and resource recovery, as well as achieving the UN Sustainable Development Goals (SDG Goals).

Professor Adelagun presented her innovative researches and contributions in the field of Environmental Monitoring and Pollution Studies, Public Health Studies, and Waste Management, showcasing cost-effective, eco-friendly solutions for environmental mediation and sustainability.

As a leading advocate for gender equality, Professor Adelagun highlighted the importance of fostering inclusivity in scientific fields, particularly in Nigeria. She shared her journey as a trailblazer in gender studies, inspiring efforts to empower women and girls in STEM. Professor Adelagun reflected on her journey in environmental chemistry

and emphasized the untapped potential of waste for reuse and regeneration. She stated that *"What we label as 'waste' today often holds untapped value, which can reengineer the way we live. Recovery is not only possible but essential to man and the environment."* She advocated for a circular economy that minimizes environmental degradation while fostering economic opportunities. She urged the government to allocate substantial funds for research, infrastructure, and community-based programs focused on waste management and resource recovery as well as public awareness campaigns should promote waste reduction and recycling to foster a national culture of sustainability. The entire ACS-Nigeria celebrated her prominent member, Prof. Ruth Olubukola Ajoke Adelagun on the major academic feat.

CHIEF HOST

Prof. Kayode O. Adebawale,
FAS, mni, Vice Chancellor,
UNIVERSITY OF IBADAN, NIGERIA

KEYNOTE SPEAKER

Prof. Franklin I. Aigbirhio
University of Cambridge
UNITED KINGDOM

PLENARY SPEAKERS:

Prof. Martin O. Onani
University of Western Cape
SOUTH AFRICA



Prof. Mary Anti Chama
University of Ghana
GHANA



Dr. Martins Oderinde
Bristol Myers Squibb,
USA



Prof. Nevila Jana
Massachusetts College of
Pharmacy & Health Sciences
(MCPHS) USA



ACS Chapter
Nigeria



AMERICAN CHEMICAL SOCIETY (ACS)

NIGERIA INTERNATIONAL CHEMICAL SCIENCES CHAPTER
in Collaboration With
UNIVERSITY OF IBADAN, NIGERIA

11th Annual SYMPOSIUM

THEME:

EMERGING TECHNOLOGIES IN CHEMISTRY FOR SUSTAINABLE DEVELOPMENT

Venue:
International Conference Center,
University of Ibadan, Oyo State, Nigeria

Date:
8th to 11th February, 2026

SUB-THEMES:

AI and Machine Learning in
Drug Discovery and Materials
Designs

Analytical Techniques for
Monitoring Environmental and
Industrial Sustainability

Chemoinformatics and Big
Data for Sustainable Molecular
Design

Policy, Education, Funding and
Ethics in Emerging Chemical
Technologies

Local Raw Materials and
Indigenous Knowledge in
Sustainable Chemistry

Natural Products Chemistry
in Drug Discovery

Featuring Green Chemistry Event

CALL FOR SUBMISSION OF ABSTRACT

Submission of Abstracts for oral and/or poster presentation is now
open from all areas of Chemistry.

Abstract should be submitted online via the link:

<https://acsnigeria.org/11th-annual-symposium-abstracts/>

TIMELINE OF ACTIVITIES:

1st July, 2025
1st August, 2025
1st September, 2025
31st October, 2025
8th February, 2026
9th February, 2026
9th to 10th February, 2026
11th February, 2026

- Abstract submission opens
- Notification of Abstract Acceptance begins
- Early bird registration begins
- Deadline for Submission of Abstract
- Arrival
- Opening Ceremony
- Keynote and Plenary lectures, Technical Sessions, Workshop and Exhibition
- Departure

More Information is available @: <https://acsnigeria.org/11th-annual-symposium-abstracts/>
Registration Link: <https://acsnigeria.org/11th-annual-symposium-registration/>

CONTACTS:

LOC CHAIR (Prof. Ganiyat. K. Oloyede, oloyedegk@gmail.com)

LOC Secretary (Chemist Aderibigbe Sodeeq Adesina, chemistpadsod@gmail.com)

Chair, ACS Nigeria (Prof. Edu Inam, eduinam235@gmail.com)

Breaking!



Prof. Joshua Ayoola Obaleye has been appointed as the zone 4 Councilor of the American Chemical Society (ACS). He's a renowned professor of chemistry with over 40 years of experience in teaching and assessing chemistry and chemical sciences-related courses. Prof. Obaleye was the Chairman of the ACS Nigeria International Chemical Sciences Chapter and Student Advisor of the ACS University of Ilorin Student Chapter.

The entire ACS-Nig International Chapter felicitate Prof. J. A. Obaleye and wishes him a successful tenure.

ACS Chapter Nigeria
AMERICAN CHEMICAL SOCIETY
2025 NATIONAL CHEMISTRY WEEK
THE HIDDEN LIFE OF SPICES
OCTOBER 19-25, 2025
#NatCw2025

SPICE UP YOUR SCIENCE!
This 2025 National Chemistry Week (NCW), we invite you to journey into the sizzling secrets of flavour, aroma, and health. Behind every pinch of spice lies a world of chemistry waiting to be uncovered! Come discover how chemistry transforms ordinary spices into extraordinary science!

Spice.Science.Surprise.

OKEN OCHULO
LOC CHAIR
+2348038802444

DR. FELICIA EJIAH
CHAIR, ACTIVITIES AND OUTREACHES COMMITTEE

DR. ATIM JOHNSON
CHAIR, STUDENT CHAPTERS COMMITTEE

PROF. EDU INAM
CHAIR, ACS NIGERIA

National Chemistry Week - 2025: The Hidden Life of Spices

GUEST SPEAKER

PROF. IRFAN Z. KHAN
UNIVERSITY OF MAIDUGURI
NIGERIA VIRTUAL EVENT
OCTOBER 22, 2025
11 AM (WAT) VIA ZOOM

ACTIVITIES

Day 1 - Sunday, October 19, 2025
Home Chemistry Day
Social media challenge: "Show Your Spice Lab"

Day 2 - Wednesday, October 22, 2025
Virtual Day Ceremony & Guest Lecture

Day 3 - Thursday, October 23, 2025
Factory Tour: Visit to spice processing / food factory

Day 4 - Friday, October 24, 2025
School & Community Outreach
Hands-on Activities + CHEMFEST!

The Romzy Official Community, a host of scientific researchers headed by Mr. Chukwuebuka Ojinka successfully celebrated National Chemistry Week 2025 by exploring the captivating theme, "The Hidden Life of Spices"! Our event revealed the fascinating chemistry and bioactive potential hidden within everyday spices, connecting their molecular structures to real-world health benefits.

A big thank you to all participants and volunteers for a vibrant day of discovery!
#NationalChemistryWeek
#ACSPIB
#HiddenLifeOfSpices
#RomzyOfficialCommunity
#ACSNigeria

NCW-FUD:

What a flavorful celebration of science!



The American Chemical Society (Acs-nigeria Chapter)– Federal University Dutse, Jigawa Students Chapter, Nigeria – successfully held the 2025 National Chemistry Week themed:

“The Hidden Life of Spices”
It was an inspiring and educational experience exploring the fascinating chemistry behind everyday spices — where science truly meets flavor and discovery!

#ACS #NationalChemistryWeek
#TheHiddenLifeOfSpices #FUDJigawa
#ScienceIsFun
#ChemistryEverywhere
#spiceupscience

STUDENTS' CHAPTERS OF THE AMERICAN CHEMICAL SOCIETY (ACS) NIGERIA INTERNATIONAL CHEMICAL SCIENCES CHAPTER

1. Nnamdi Azikiwe University
2. Ladoke Akintola University of Technology (LAUTECH)
3. Federal University of Technology Owerri
4. Obafemi Awolowo University
5. University of Nigeria Nsukka
6. University of Calabar
7. Federal University of Agriculture
8. Joseph Sarwuan Tarka University
9. Sokoto State University
10. University of Uyo
11. University of Ilorin
12. National Open University of Nigeria (NOUN), Ibadan Study Center
13. Niger-Delta University
14. University of Ibadan
15. Akwalbom State University
16. Federal University Otuoke
17. University of Lagos, Akoko
18. University of Abuja
19. Federal University Wukari, Taraba State
20. Topfaith University
21. Rivers State University
22. Koladaisi University
23. Olusegun Agagu University of Science and Technology
24. Federal University of Technology Akure
25. Benue State University, Makurdi
26. Federal University of Technology Ikot Abasi
27. Gombe State University
28. Federal University of Petroleum Resources, Effurun
29. Nasarawa State University Keffi
30. Federal University Dutsin-ma
31. Michael Okpara University of Agriculture
32. Federal University of Technology, Minna
33. University of Maiduguri
34. Federal University Dutse
35. National Open University of Nigeria, Abeokuta Study Centre
36. University of Jos



A New Dawn: Gombe State University

ACS-Nig Chapter is Born!

We are excited to announce the Official Unveiling and Inauguration of the American Chemical Society (ACS) – Gombe State University International Student Chapter, under the Department of Chemical Sciences.

This milestone marks a powerful step towards building a stronger community of young chemists, researchers, and innovators who are passionate about advancing scientific knowledge and driving real-world impact. From fostering academic excellence to inspiring

collaborative research, the ACS-GSU Chapter is set to open new doors of opportunity for students and strengthen their global visibility in the world of chemistry.

A big congratulations to the pioneering members and everyone who made this historic moment a reality! Here's to growth, discovery, and groundbreaking achievements.

#ACSGombe
#ACSIInternationalChapter
#GSU #ChemicalSciences
#STEMNigeria #Innovation
#FutureScientists
#ChemistryCommunity
#StudentScientists





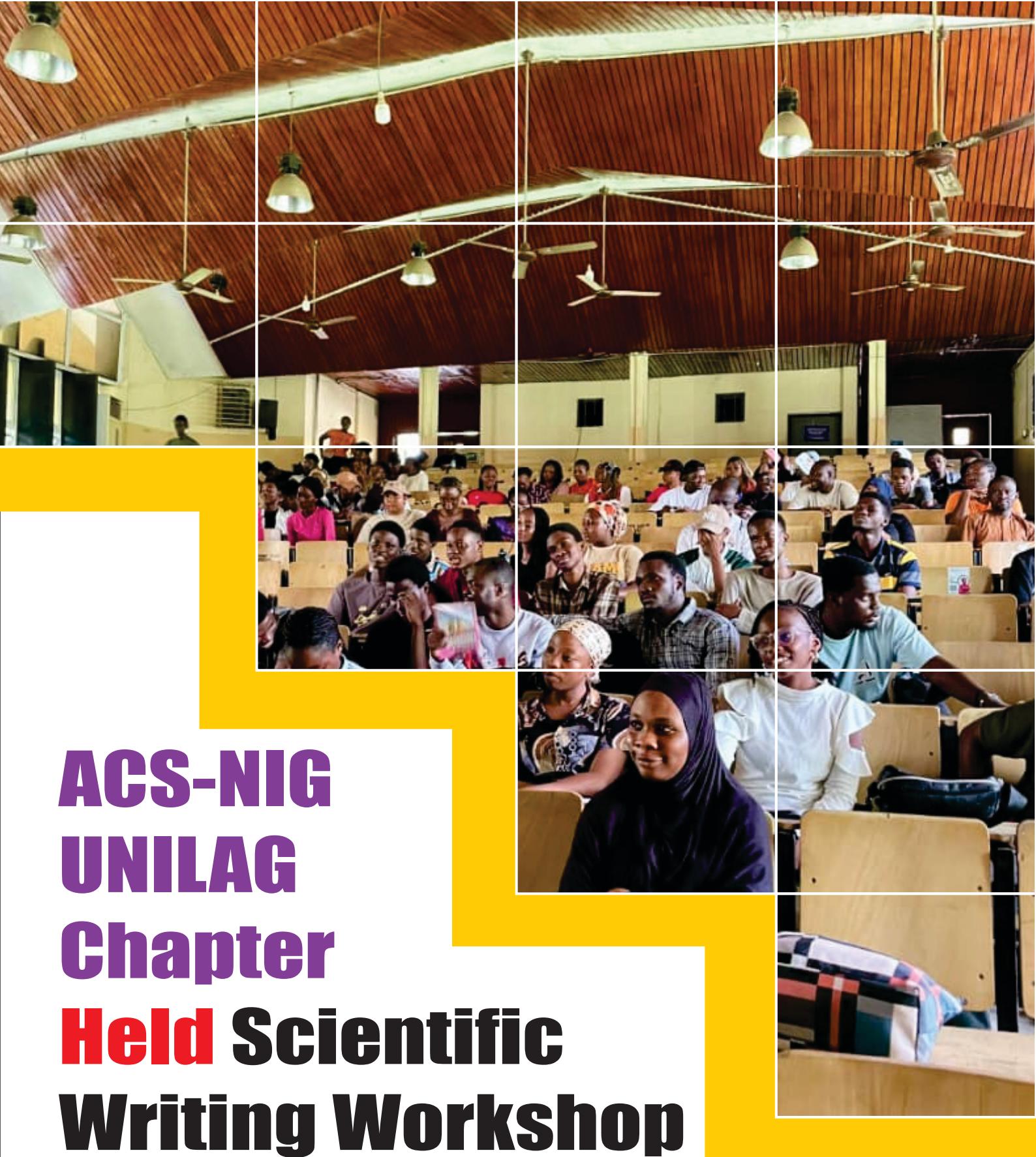
National Chemistry Week 2025

The 2025 National Chemistry Week (NCW) event themed "The Hidden Life of Spices" was a vibrant and engaging celebration hosted by the ACS-Nigeria Chapter. Participants embarked on an exciting journey exploring the secrets of flavour, aroma, and health through chemistry. The week was packed with interactive activities, including a Home Chemistry Day with a social media challenge, a virtual day

ceremony and guest lecture, a factory tour that offered an insightful visit into spice processing, and outreach events in schools and communities, culminating with CHEM FEST. Attendees enthusiastically joined these hands-on sessions, making the event both educational and lively.

A highlight of the week was the virtual guest lecture by Professor Irfan Z. Khan from the University of Maiduguri, who captivated the

audience with his knowledge on how chemistry transforms ordinary spices into extraordinary sources of wonder. The discussions sparked curiosity and deepened appreciation for the science behind everyday spices. The collaborative efforts of organizers, volunteers, and guest speakers ensured a memorable experience for everyone, successfully merging scientific discovery with fun and community participation.



ACS-NIG UNILAG Chapter Held Scientific Writing Workshop

ACS Unilag in collaboration with the Department of Chemistry Unilag hosted a Scientific Writing Seminar to help students better understand the fundamentals of writing and presenting their

research projects.

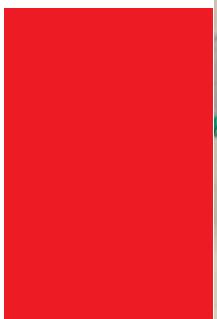
The session provided practical guidance on how to structure a scientific report, choose the right research tools, reference sources properly, and maintain professionalism in scientific communication.

It was an insightful and interactive experience that equipped students with the skills needed to approach their final year and future research work with confidence.



Ikedirachi

2025 UNIUYO Chemistry Festival



Ikedirachi

On the 12th of November, 2025, ACS Uniuyo, in collaboration with Pegasus Schools, Eket, organised the UNIUYO-PEGGS 7th Festival of Chemistry with the theme: "Chemistry: Solution for a better future". The event had over 400 participants, including nursery and

primary school pupils, secondary school students, teachers from different schools, University of Uyo students, lecturers of different universities, Akwa Ibom State government officials, etc. The event featured hands-on experiments, stage demonstrations, career talks, a quiz

competition, and networking.

Event photos are featured below;

Volunteers training:
<https://drive.google.com/drive/folders/1IAWZvEWw8cv3II6fYR0wDYYtSVQ4SLxS>

Main day event:
<https://photos.app.goo.gl/TaYDGiLmmkT2Ze5z6>



Hurray! ACS-NIG UNIPORT

Chapter is Born

We are excited to celebrate the birth of the ACS-UniPort Chapter, a sign of growth, unity, and shared commitment to

scientific excellence. With this new addition, our ACS community becomes stronger, our reach wider, and our opportunities richer.

UNIPORT is proudly welcome into the ACS family and looks forward to cooperating with each other to explore, discover, and elevate science together.