

## CURRICULUM VITAE

**NAME:** Prof. Ganiyat Kehinde **OLOYEDE (Nee Raimi)**

**DATE OF BIRTH:** 26<sup>th</sup> March, 1971

**MARITAL STATUS:** Married

**NATIONALITY:** Nigerian

**STATE OF ORIGIN:** Oyo State

**LOCAL GOVERNMENT AREA:** Oluyole

**SEX:** Female

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[www. NOUN/facilitator/Ganiyat Oloyede](http://www.NOUN/facilitator/Ganiyat Oloyede)  
<http://scholar.google.com.pk/citations>  
<https://www.linkedin.com/in/ganiyat-oloyede-30a49933>  
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[www.forwomeninscience.com](http://www.forwomeninscience.com)  
<https://www.researchgate.net/profile/Ganiyat-Oloyede>  
<https://www.semanticscholar.org/author/Ganiyat-Kehinde-Oloyede/6035329>  
<https://livedna.org/234.19450>  
[https://twitter.com/ganiyat\\_oloyede?s=08](https://twitter.com/ganiyat_oloyede?s=08)  
<https://instagram.com/ganiyatkehindeoloyede?>  
<https://www.facebook.com/ganiyat.oloyede.12>  
<https://independent.academia.edu/GaniyatOloyede>  
<https://www.acs.org/content/acs/en/campaigns/proud-to-be-a-chemist.html>  
<https://owsd.net/oloyede-ganiyat-k-candidate-vice-president>  
<https://www.flickr.com/photos/195035934@N04/51896300662>  
<https://www.acs.org/content/acs/en/careers/personal-career-consulting/career-consultants/ganiyat-oloyede.html>

**MY PERSONALITY (DESCRIBING SELF):** I am a diligent and selfless person, contributing to the growth and welfare of others. I have great drive to solve problems and overcome obstacles. My leadership ability, transparency and accountability enhanced my supervisory, management and executive roles. I am emotionally stable, free and independent. Above all, I am highly committed to the chemistry enterprise.

**EDUCATIONAL INSTITUTIONS ATTENDED PHYSICAL AND ONLINE (WITH DATES)**

- |        |  |             |
|--------|--|-------------|
| (i)    | University of Ibadan, Nigeria  | 1988 – 1992 |
| (ii)   | University of Ibadan, Nigeria  | 1995 – 1997 |
| (iii)  | University of Ibadan, Nigeria  | 1997 – 2005 |
| (iv)   | The United State Institute of Peace  | 2015–2015   |
| (v)    | National Open of University, Nigeria.  | 2014 – 2016 |
| (vi)   | Eduwhere Chapel Hill, NC, US.  | 2016 – 2016 |
| (vii)  | Alison Education, Galway, Ireland  | 2016 - 2016 |
| (viii) | International Network for the Availability of Scientific Publications/<br>International Network for Advancing Science and Policy (INASP), UK | 2019-2019   |
| (ix)   | Asian Development Bank Institute (ADBI), Tokyo, Japan  | 2021-2021   |
| (x)    | Asian Development Bank Institute ADBI), Tokyo, Japan<br>and United Nations Capital Development Fund  | 2022-2022   |
| (xi)   | Asian Development Bank Institute ADBI), Tokyo, Japan   | 2022-2022   |
| (xii)  | Asian Development Bank Institute ADBI), Tokyo, Japan   | 2022-2022   |
| (xiii) | Nature Master Classes, Springer Nature USA and<br>Elsevier Researcher Academy, USA, ACS on Campus, USA                                       | 2022-2022   |

**ACADEMIC QUALIFICATIONS OBTAINED (WITH DATES)**

- |       |   |                         |
|-------|---|-------------------------|
| (i)   | B.Sc (Hons) Chemistry Second Class (Honours) Upper Division | 12/09/1988 – 09/10/1992 |
| (ii)  | M.Sc. Pharmaceutical Chemistry (Synthetic Chemistry)        | 20/09/1995 – 07/05/1997 |
| (iii) | Ph.D Pharmacy (Medicinal/Natural Product Chemistry)         | 15/09/1997 – 19/09/2005 |

**PROFESSIONAL QUALIFICATIONS AND DIPLOMAS (WITH DATES):**

- |       |  |      |
|-------|--|------|
| (i)   | The United State Institute of Peace<br>Certificate in Conflict Analysis  | 2015 |
| (ii)  | Postgraduate Diploma in Education (PGDE)   | 2016 |
| (iii) | United Nations' Globally Harmonized System of Classification<br>and Labeling of Chemicals (GHS) (Certificate of Completion)<br>Eduwhere Chapel Hill, NC, US. | 2016 |
| (iv)  | United States Department of Transportation (USDOT) General Awareness<br>of Hazardous Materials (Certificate of Completion)<br>Eduwhere Chapel Hill, NC, US.  | 2016 |
| (v)   | Laboratory Safety and Chemical Hygiene   | 2016 |

	(Certificate of Completion) Eduwhere Chapel Hill, NC, US.	
(vi)	Certificate in Human Health - Diet and Nutrition Alison Education, Galway, Ireland	2016
(vii)	Certificate in Fire Safety (Eduwhere Chapel Hill, NC, US.)	2016
(viii)	Certificate in Research Writing in Sciences AuthorAID online Course in Research Communication Course (International Network for the Availability of Scientific Publications International Network for Advancing Science and Policy (INASP), UK).	2019
(ix)	Certificate Course in Achieving Sustainable Development Goals on Water and Sanitation (Asian Development Bank Institute (ADBI), Tokyo, Japan)	2021
(x)	Certificate Course in Inclusive Digital Economies and Gender Equality Playbook (Asian Development Bank Institute (ADBI), Tokyo, Japan) and United Nations Capital Development Fund	2022
(xi)	Certificate Course in Rethinking Higher Education Financing and Policies in a Changing World (Asian Development Bank Institute (ADBI), Tokyo, Japan)	2022
(xii)	Certificate Course in Private Financing for Infrastructure and Sustainable Growth (Asian Development Bank Institute (ADBI), Tokyo, Japan)	2022
(xiii)	Certificate course: From innovative ideas to Scholarly Books in Life and Earth Sciences (Taylor and Francis group)	2022
(xiv)	Certificate Course in Peer Review Nature Masterclasses, Springer Nature, USA Elsevier Researcher Academy, USA, ACS on Campus, USA.	2022
(xv)	Certificate Course in Climate Change Advocacy American Chemical Society, USA.	2022
(xvi)	Certificate Course in Circular Economy Policy Maker (Asian Development Bank Institute (ADBI), Tokyo, Japan)	2023

**NAMES AND ADDRESSES OF EMPLOYERS (WITH DATES)**

\* National Youth Service Corps

Comprehensive Secondary School, Ekori, Cross Rivers State 1992 – 1993  
Position Held: Youth Service Scheme/Chemistry Teacher  
Roles and Responsibilities: Teaching and Community Service

\* Ministry of Education/Government Technical College, Oyo 1994 – 1997  
Position Held: Senior Education Officer/Chemistry Lecturer

#### SCOPE OF ACTIVITIES

- (i) Teaching Chemistry or any other STEM subject
- (ii) Carrying out practical sessions
- (iii) Conducting Examination to test students knowledge in both Theory/Practical Chemistry
- (iv) Performing other Administrative duties that may be assigned to me.

\* Ministry of Health 1997 – 2008

Department of Food, Drugs and Laboratory Services  
(Public Health Laboratory)  
Jericho, Ibadan, Oyo State, Nigeria  
Position Held: Chief Scientific Officer/Acting Assistant Director

#### SCOPE OF ACTIVITIES

- (i) Chemical Analysis of Water, Food and Drugs.
- (ii) Microbiological Analysis of Water, Food and Drugs.
- (iii) Scientific Investigation and other Analytical Duties Relevant to Safety and Quality of Food, drugs and Water.
- (iv) Routine Surveillance of all Water Schemes including Boreholes in the State
- (v) Supervising and Training Junior Officers in the Laboratory
- (vi) Designing and Supervising Experiments and Evaluating Results
- (vii) Giving Lectures and Training Students on Industrial Attachment from Higher Institutions.
- (viii) Performing other administrative duties that may be assigned to me.
- (ix) Community services and public Outreach programmes

Outside Posting (On secondment):

\* Programme Officer/Project Supervisor –

Health is Wealth Programme of Former First Lady-Wife of Oyo State Governor,

Office of the First Lady, Secretariat Ibadan, Oyo State. January, 2001- December, 2001

Management of NGO- Communication, Community development, Volunteer management

#### Present Positions

\* **Department of Chemistry, University of Ibadan, Nigeria April 2008-to date**

**Present Position - Professor**

**Adjunct Project Supervisor and Course Facilitator**

#### SCOPE OF ACTIVITIES

- (i) Lecturing the students in Chemistry
- (ii) Carrying out practical sessions
- (iii) Medicinal/Natural Products Research activities
- (iv) Synthetic chemistry Research
- (v) Conducting Examination to test students knowledge in both Theory/Practical Chemistry
- (vi) Departmental Undergraduate seminar coordinator
- (vii) Performing other Administrative duties that may be assigned to me.
- (viii) Other Community/Public outreach Services

#### RESEARCH COMPLETED (Project and Thesis)

- (i) Raimi, G.K. (1992), Solvent perturbation of the electronic absorption spectra of 2-naphthalenol-1-bromo and 2,3-dicyano-5,6-dichloro-1,4,-quinol (B.Sc. Project, Department of Chemistry, Faculty of Science, University of Ibadan).
- (ii) Raimi, G.K. (1997), Synthesis of derivative of 2-(thiazol-4-yl)-1H-benzimidazole (Thiabendazole) (M.Sc. Project Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ibadan).
- (iii) Raimi, G.K. (2005), Isolation and Characterization of Antioxidant and Anticonvulsant constituents of *Crinum ornatum* (Ait) Bury (Ph.D Thesis (Natural Products Chemistry) Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ibadan).
- (iv) Oloyede G. K. (2015), Media Usage, Religiosity and Gender as Determinant Of Performance In Chemistry Subject among Students in Secondary Schools in Ibadan, Oyo State (PGDE) Thesis Faculty of Education, National Open University of Nigeria, Ibadan Study Center.

#### HONOURS, NOMINATIONS, DISTINCTIONS, GRANTS, SCHOLARSHIPS/FELLOWSHIPS OBTAINED (WITH DATES):

- (i) Recipient, Bashorun MKO Abiola Postgraduate Fellowship at University of Ibadan, Nigeria. 2000
- (ii) Recipient, Third World Organisation for Women in Science Postgraduate Fellowship. 2003
- (iii) Recipient, Education Trust Fund AST&D/Conference Support 2010
- (iv) Recipient, University of Ibadan Multi-disciplinary Senate Research Grant (Principal Investigator) for project title: Synthesis, Spectroscopic Analysis and Evaluation of Antioxidant and Antimicrobial Activities of Schiff and Mannich bases. 2010
- (v) Recipient, John D. and Catherine T. MacArthur Foundation Start Up Research Grant (Principal Investigator) for project titled: Chemical Constituents of the leaves and stem bark of *Hura Crepitans* (Euphorbiaceae) and Investigation of the Antimicrobial and Hepatoprotective activities 2010
- (vi) Recipient, ICCBS-The World Academy of Science (TWAS), Italy Post Doctoral Fellowship for project titled: Bioactive constituents of the Leaves and Stem bark of *Albizia zygia* (Leguminosea) and Chemical composition and synthesis of Lignin-based Mannich bases from *Nypa fruticans* Wurmb (Arecaceae). 2015

(vii)	Principal Investigator, Tertiary Education Trust Fund (TetFund) Institution Based Research grant for Project titled: Isolation of Bioactive antiviral constituents of <i>Anogeissus leiocarpus</i> (DC.) Guill. & Perr. (Combretaceae) and <i>Vitex chrysocarpa</i> Planch. ex Benth.	2016
(viii)	Award as Invited speaker/Co-chair Scientific session at the 4th Hamdard International Conference on Unani Medicine-2017, Hamdard University, Madinat al-Hikma, Karachi	2017
(ix)	Recipient of a 2018 University of Ibadan Conference Support Fund (Sub-Committee of COPD)	2018
(x)	Recipient of a 2019 Festival Grant of the American Chemical Society's Committee on International Activities (IAC), Committee on Community Activities (CCA) and Society Committee on Education (SOCED),	2019
(xi)	Recipient of the International Year of the Periodic Table (IYPT) Activity Grant for Student Chapters of the American Chemical Society.	2019
(xii)	Recipient of the American Chemical Society International Student Activity Grant	2019
(xiii)	Recipient and Co- Investigator, Tertiary Education Trust Fund (TetFund) Institution Based Research grant on Project titled: Isolation, Characterization, Synthesis and Enzyme Inhibitory assay of Constituents of <i>Celtis zenkeri</i> (Prota) (Ulmaceae), <i>Euphorbia graminea</i> (Jacq) (Euphorbiaceae) and <i>Macrosphyra longistyla</i> (Rubiaceae). ex Benth.	2019
(xiv)	Recipient of 2020 Festival Grant of the American Chemical Society's Committee on International Activities (IAC), Committee on Community Activities (CCA) and Society Committee on Education (SOCED)	2020
(xv)	Recipient of the American Chemical Society 2020 Programming Grant	2020
(xvi)	Recipient of 2021 Festival Grant of the American Chemical Society's Committee on International Activities (IAC), Committee on Community Activities (CCA) and Society Committee on Education (SOCED)	2021
(xvii)	Recipient of American Chemical Society's 2021 Student Group Development & Engagement Grant (2 x Winner)	2021
(xviii)	Recipient of American Chemical Society's 2021 ACS Diversity, Equity, Inclusion and Respect (DEIR) Faculty Advisor/Chapter Officer Grant (2 x Winner)	2021
(xix)	Nominee, Vice President (Africa), Organisation of Women in Science for the Developing World (OWSD), Italy	2021
(xx)	Keynote Speaker and Award of Excellence as Pioneer Faculty Advisor of American Chemical Society of NOUN	2021
(xxi)	Invited speaker/Co-chair-2021 Annual Chemical Week Personality Lecture, Student Chemical Society, University of Ibadan Nigeria	2021
(xxii)	National Chemistry Week Grant American Chemical Society Nigeria International Chapter	2021
(xxiii)	American Chemical Society Nigeria International Chapter Activity Grant	2021
(xxiv)	#ProudtoBeaChemist of American Chemical Society USA	2022
(xxv)	American Chemical Society USA Student Communities Professional Meeting/Travel Grant	2022
(xxvi)	Royal Society of Chemistry UK Grant for 2022 IUPAC Global	2022

	Women's Breakfast (GWB)	
(xxvii)	Festival Grant of the American Chemical Society's Committee on International Activities (IAC), Committee on Community Activities (CCA) and Society Committee on Education (SOCED) USA (2 x Winner)	2022
(xxviii)	Global Innovation Grant of the American Chemical Society's Committee on International Activities (IAC)	2022
(xxix)	Women Chemists Committee (WCC) of American Chemical Society grant in respect of 95 <sup>th</sup> Anniversary Celebration	2022
(xxx)	Certificate of Appreciation for organising successful 2022 IUPAC Global Women Breakfast event	2022
(xxxi)	Nominee, Linkage's Women in Leadership Executive Impact Award	2022
(xxxii)	Shortlisted, Springer Nature Research Awards for Inspiring Women in Science Award for Science (STEMM) Outreach (GKO Career in STEMM and Women Empowerment Initiative)	2022
(xxxiii)	ACS Outstanding/Commendable Student Award for University of Ibadan International Student Chapter 2021-2023	2022
(xxxiv)	Royal Society of Chemistry UK Grant for 2023 IUPAC Global Women's Breakfast (GWB)	2023
(xxxv)	Certificate of Appreciation for organising successful 2023 IUPAC Global Women Breakfast event	2023
(xxxvi)	Recipient of a 2023 Festival Grant of the American Chemical Society's Committee on International Activities (IAC), Committee on Community Activities (CCA) and Society Committee on Education (SOCED),	2023
(xxxvii)	Recipient of American Chemical Society's 2023 Student Group Development & Engagement Grant	2023
(xxxviii)	Recipient of American Chemical Society's 2023 ACS Diversity, Equity, Inclusion and Respect (DEIR) Faculty Advisor/Chapter Officer Grant	2023
(xxxix)	Member Scientific Committee of the American Chemical Society (ACS) Regional Middle East (MEA) Conference-UAE	2024
(xxxx)	Chair Scientific Sub Committee of the American Chemical Society (ACS) African Regional Conference on Green and Sustainable Chemistry (ACS RMOGASC- 2024) (Upcoming)	2024
(xxxxi)	Royal Society of Chemistry UK Grant for 2024 IUPAC Global Women's Breakfast (GWB)	2024
(xxxxii)	Certificate of Appreciation for organising successful 2024 IUPAC Global Women Breakfast event	2024
(xxxxiii)	Recipient of a 2024 Festival Grant of the American Chemical Society's Committee on International Activities (IAC), Committee on Community Activities (CCA) and Society Committee on Education (SOCED),	2024
(xxxxiv)	Global Innovation Grant of the American Chemical Society's Committee on International Activities (IAC)	2024

**MEMBERSHIP OF PROFESSIONAL BODIES / LEARNED SOCIETIES:**

Fellow, Institute of Chartered Chemist of Nigeria (ICCON), Abuja, Nigeria 2010 to date

Fellow, Royal Society of Chemistry, London, UK 2020 to date  
Member, The World Academy of Science, Trieste Italy 2001 to date.  
Member, Organisation for Women in Science for the Developing World (OWSD) Italy 2009 to date  
Member, Organisation for Women in Science for the Developing World (OWSD) Nigeria 141/2019/2020 to date  
Member, American Chemical Society, Washinton DC, USA. 2017 to date  
Member, Chemical Society of Nigeria, Abuja, Nigeria 2012 to date  
Member, Scientific Officers Association of Nigeria , Ibadan Nigeria 1997 to date  
Member, Teachers Registration Council of Nigeria. Abuja Nigeria 2016 to date  
Member, Society of Essential Oils Distillers and Analysts (SEODA), Nigeria  
Member, Asian Council of Science Editors Deira Dubai, UAE 2016 to date  
Member, International Union of Pure and Applied Chemistry (IUPAC) Zurich Switzerland 2021 to date  
Member, American Association for the Advancement of Science (AAAS), USA.2022 to date  
Member, West African Research Association, USA (Application Pending).

## **DETAILS OF TEACHING EXPERIENCE AT UNIVERSITY LEVEL**

Professor at University of Ibadan - 2008 to date

### **(a) Courses taught at the University of Ibadan from April 2008 to date:**

CHE 176 - Organic Chemistry 1  
CHE 191 - Practical Chemistry 1 for 100 Level  
CHE 275 - Organic Chemistry for Non -majors  
CHE 276 - Organic Chemistry 11  
CHE 276 - Practical Chemistry  
CHE 358 - Macromolecules and Stereochemical Principles  
CHE 376 - Organic Chemistry 111  
CHE 376 - Practical Chemistry  
CHE 472 - Pericyclic reactions, heterocyclic and naturally occurring compounds  
CHE 478 - Photochemistry and Biologically active Natural products  
CHE 481 - Chemistry Seminars  
CHE 495 - Research project  
CHE 765 - Advanced Natural Products Chemistry  
CHE 766 - Synthetic Methods in Organic Chemistry  
CHE 770 - Advanced Applied Spectroscopy  
CHE 771 - Petroleum Geochemistry  
CHE 793 - Experimental Techniques in Organic Chemistry  
CHE 795 – Seminar and Laboratory Administration  
CHE 796 - M Sc. Research Project  
CHE 865 – Recent Advances in Natural Products Chemistry and Organic Synthesis

### **(b) Number of Students Supervised – 2008 to date**

Undergraduate (B.Sc) :	28 Students
Postgraduate including Research Students:	20 Students (MSc/PhD)

## **UNIVERSITY AND DEPARTMENTAL DUTIES**

(1) Member, Undergraduate Registration Committee (2008 to date)



- (2) Undergraduate seminar (CHE 481) Coordinator (2008- 2016)
- (3) Organic Chemistry unit seminar Coordinator (2008-2016).
- (4) Departmental representative: E-learning project (2010-2012)
- (5) Departmental representative: Training-of-trainers (TOT) on Conservation, Preservation and Museum Administration (2011-2012).
- (6) Member Postgraduate Registration/Examination Committee (M.Sc. Matters) (2012-2017)
- (7) Member Departmental Staff/Student Advisory Coordinating Committee (2013-date)
- (8) Faculty of Science Representative to Faculty Board of Agriculture and Forestry (2015/2016 session)
- (9) Member Postgraduate Registration/Examination Committee (M.Phil and Ph.D Matters) (2017/2018 session - date).
- (10) Time Table Officer for Chemistry Department and Faculty of Science Time Table Committee member (2017/2018 session – date)
- (11) Congregation Representative to University of Ibadan Senate, Boards and Committees (18 July, 2018-2020) and member of senate, 2020- to date.
- (12) Faculty of Science Representative to Faculty Board of Veterinary Medicine (2017/2018 session)
- (13) Faculty of Science Representative to Faculty Board of Veterinary Medicine (2018/2019 session)
- (14) Faculty of Science Representative to Faculty Board of Agriculture (2020/2021 - 2021/2022 session)
- (15) Coordinator, Practical Chemistry 191 for 100 Level (2021/2022 session - date)

### **COMMUNITY SERVICE**

- (1) Natural Product Research Consultant/Adviser to Herbal Medicine Practitioners (Ministry of Health).
- (2) Participated and delivered Lectures as Resource person at Seminars and Workshops organised by Department of Food, Drugs and Laboratory Services, Oyo State Ministry of Health, Ibadan to Food vendors, Liquor sellers, packaged water producers etc.
- (3) Student Adviser/Counsellor

- (4) Technical Adviser/Consultant, GKO Global Resources Ltd (GKO Pharma, GKO Foods and GKO Publishers)- An SME for Youth Empowerment and Training.
- (5) Facilitator/Project Supervisor of Chemistry courses for under/postgraduate students at National Open University of Nigeria.
- (6) Guest Facilitator, for AuthorAID online Course in Research Communication Course (International Network for the Availability of Scientific Publications (INASP), UK).  
<https://moodle.inasp.info/mod/page/view.php?id=9820>
- (7) Matron, Nile House (Yellow House) Francis 'M' College Iwajowa L/out, Bodija Ibadan, Oyo State.
- (8) Pioneer Faculty advisor, Student Chapter of the American Chemical Society of National Open University of Nigeria, Ibadan Study Center
- (9) Faculty advisor, Student Chapter of the American Chemical Society of University of Ibadan, Nigeria
- (9) Volunteer and member International Science Council, Scientific Committee on Antarctic Research Equality, Diversity and Inclusion (EDI) Action group, SCAR Secretariat Cambridge United Kingdom
- (10) Volunteer, Trialect Traineeship programmes and Consulting Expert Trialect Science& Minds Texas, USA
- (11) Founder GKO Career in STEMM and Women Empowerment Initiative (An outfit to empower women and sensitize youths especially the girl Child participation in Science, Technology, Engineering, Mathematics and Medicine)
- (12) Volunteer Professional mentor and coach to some Professional Organisations
- (13) Volunteer Professional Career Consultant to some Professional Organisations
- (14) Reviewer to many journals
- (15) Editorial Board member (Research J. of Phytochemistry, Research J. of Medicinal Plants, Global J. of Botanical Science, Turkey, Asian J. of Biological Sciences)
- (16) Participant as Falling Walls Engage Community Member

## **VOLUNTEER WORK 2022**

1. 3<sup>rd</sup> edition of #The Learning Planet Festival 22-29 January 2022 and celebrate the International Day of Education, 24<sup>th</sup> of January and (27 January 2022). Open to passionate learners of all ages-youth, teachers, educators, artists scientists, social entrepreneurs, policymakers and more
2. Organisation for Women in Science for the Developing World celebrates International Day of Women and girls in Science 10-11<sup>th</sup> February 2022. Visits to Schools
3. International Union of Pure and Applied Chemistry (IUPAC) celebrate Global Women's Breakfast, sponsored by Royal Society of Chemistry on February 16, 2022. Sentitization lectures: 1. Women and Girls Participation in Science, Technology, Engineering, Mathematics and Medicine (STEMM)-A Necessity-Dr Ganiyat K. Oloyede 2. Time and resources optimization for career advancement by women scientists from developing countries and empowering the girl-child in Science, Technology, Engineering, Mathematics and Medicine (STEMM)-Dr Iyabo Adeoye
4. **Oloyede G.K. (2022)** Girls participation in STEMM, 2022 American Chemical Society Science Festival, Theme: Chemistry and Health: Use of Hands On

Activities to produce Non-Pharmaceutical Material against COVID 19 Pandemic –Lecture, Drama, and Poetry 22<sup>nd</sup> March- 6<sup>th</sup> April, 2022 Ibadan, Nigeria, (Selected and Representative schools- Baptist High School Agbowo and Cenflex High School Mokola, Ibadan, Oyo State Nigeria).

5. American Chemical Society Nigeria International Chemical Sciences Chapter, 2022 World Earth Day Celebration Theme: The Buzz About Bugs: Insect Chemistry 21 April, 2022. Presentation of Celebrating Chemistry Magazine, an ACS USA Publication.
6. **Oloyede G.K.** (2022). Attracting and Retaining Women in the Chemistry Profession #WCC95, #ACSWCC 95th Anniversary Celebration of the ACS WCC (Women Chemists Committee) Theme: 1. Attracting and Retaining Women in the Chemistry Profession 2. Life of Women after Service 18-19 May, 2022 at St Louis Grammar School Mokola Ibadan, Oyo State Nigeria.
7. Team Leader and organizer of Global Science outreach to Selected Universities in Ghana and Association of African Universities, Ghana by members of American Chemical Society, University of Ibadan International Student Chapter. Theme: Youths Participation and Gender Equality in STEMM and conferencing. Paper Delivered: Online Teaching and Learning as a paradigm for gender –inclusiveness in African Higher Education. at Accra Bespoke Innovations Conference and The Africa AI Stakeholders Summit- An iSTEAMS Event Series 31 Organized By Society for Multidisciplinary & Advanced Research Techniques (SMART) Africa in Collaboration with Department of Operations & MIS - University of Ghana, Accra, Ghana Faculty of Computational Sciences - Academic City University College, Accra, Ghana Theme: Bespoke Innovations Multidisciplinary Research Outcomes for Addressing Human Centered Challenges. 30<sup>th</sup> May-4<sup>th</sup> June, 2022, University of Ghana, Legon, Accra Ghana.
8. **Oloyede G.K.** (2022). Volunteer Career Consultant Activity *261st Hybrid American Chemical Society (ACS) National Meeting & Exposition (ACS Fall 2022)* Theme: Sustainability in a Changing World, Chicago, IL, USA, 20 - 25 August, 2022.
9. **Oloyede G.K.** (2022). Judge at 3<sup>rd</sup> Commonwealth Chemistry Posters Theme: Building Networks to Address the Goals 28<sup>th</sup>- 29<sup>th</sup> September 2022 Organised by Commonwealth Chemistry, Federation of Chemical Sciences Societies- Royal Society of Chemistry UK.
10. **Oloyede G.K.** (2022) American Chemical Society Development and Engagement programme titled (i) Inspiring Students in STEMM education through Scientific and Industrial Outreach, (ii) Writing Term Papers and Report, University of Ibadan, Nigeria, 14 November, 2022 (Visitation to Industries and Scientific Organisations).
11. **Oloyede G.K.** (2022) Chemists Celebrate Earth Week (CCEW) public awareness campaign 2022, American Chemical Society Science Festival, Theme: Public awareness on best practices for a safer, cleaner and greener environment 21st November- 6<sup>th</sup> December, 2022 Ibadan, Nigeria (Visitation to Markets, Malls, schools etc.-On going).
12. **Oloyede G.K.** (2022) Professional development to increase and support diversity, equity, inclusion, and respect (DEIR)- American Chemical Society DIER programme, Theme: Inspiring and creating opportunities in STEMM for physically challenged students and their tutors 20 November- 8<sup>th</sup> December, 2022 Ibadan, Nigeria (Visitation to Handicapped and Special Schools).

### **VOLUNTEER WORK 2023**

13. 4<sup>th</sup> edition of #The Learning Planet Festival 24-28 January 2023 and celebrate the UN International Day of Education, 24<sup>th</sup> of January, 2023. Open to passionate learners of all ages-youth, teachers, educators, artists, scientists, social entrepreneurs, policymakers and more. Theme: Youth, STEMM and Best Practices to attain Leadership.
14. GKO Career in STEMM and Women Empowerment Initiative celebrate IUPAC-Global Women Breakfast, Theme: Family, Wellness and Workplace Balance for Women in STEMM Discipline, sponsored by Royal Society of Chemistry, UK, at the Johnson Academy, Ajibode on 31 January, 2023.
15. Organisation for Women in Science for the Developing World in collaboration with Royal Society of Chemistry UK celebrates International Day of Women and girls in Science 14<sup>th</sup> February 2023. Visits to Schools. Conversation with Women Leaders to Break barriers in Science-Dr Ganiyat K. Oloyede
16. International Union of Pure and Applied Chemistry (IUPAC)/Women Chemist Committee of Chemical Society of Nigeria, University of Ibadan, Nigeria celebrates Global Women's Breakfast, on February 14, 2023. Sentitization lectures: Breaking Barriers in Science-Dr Ganiyat K. Oloyede

### **VOLUNTEER WORK 2024**

17. **Oloyede G. K.** (2024) Member Scientific Committee of the American Chemical Society (ACS) Regional Middle East (MEA) Conference-UAE 4<sup>th</sup> – 7<sup>th</sup>, February, 2024, New York University Abu Dhabi UAE.
18. American Chemical Society, University of Ibadan International Student Chapter celebrate the International Day of Education, 24<sup>th</sup> of January 2024; Theme: Learning for Lasting Peace. Career in Chemistry and Professional Organisation, Abadina Basic School 1 and 3, UI, Ibadan.
19. American Chemical Society, University of Ibadan International Student Chapter celebrate the International Day of Education, 24<sup>th</sup> of January 2024; Theme: Learning for Lasting Peace. Chemistry and Gender, As-Sabbaq (Pioneer) College, Bodija Market Ibadan.
20. American Chemical Society, University of Ibadan International Student Chapter in collaboration with Organisation of Women in Science, Ibadan Chapter celebrate the 9<sup>th</sup> UN International day of Women and Girls in Science, 12<sup>th</sup> January 2024; Theme: Women and Girls in Science Leadership- a New Era for Sustainability and sub theme: Think Science....Think Peace Zoology, Lecture Theater University of Ibadan, Ibadan.
21. **Oloyede G. K.** (2024) 'Career Leverage for Women in STEMM Discipline for sustainable growth' paper presented at Royal Society of Chemistry/American Chemical Society/IUPAC Global Women Breakfast Event Theme: Catalysing Diversity in Science 27<sup>th</sup> February, 2024 at some selected High Schools in Ibadan Metropolis.
22. **Oloyede G. K.** (2024) Co-Chair of Organizing Committee/ Chair of Scientific Sub Committee of the American Chemical Society (ACS) African Regional Conference on Green and Sustainable Chemistry (ACS RMOGASC-2024) - Nigeria, 5<sup>th</sup> -8<sup>th</sup>, May 2024, Theme: Green Chemistry Innovations for Sustainable Development, Sheraton Hotel, Ikeja, Lagos, Nigeria (Upcoming)

23. One day sensitization outreach programme on prevention of outbreak of cholera at a major food market in Ibadan metropolis organized by American Chemical Society University of Ibadan International Student Chapter on 6<sup>th</sup> July, 2024

## RESEARCH

### Research Completed

1. Phytochemical investigation of *Crinum ornatum* bulb, *Hura crepitans*. *Dieffenbachia picta* extracts

Extraction, purification and characterization of isolated compounds from *Crinum ornatum* bulb revealed that the plant contained secondary metabolites which have antioxidant and anticonvulsant principles justifying its use in traditional medicine practise. The essential oil also contained cytotoxic compounds which can be beneficial in the treatment of diseases involving cell or tumor growth. *Hura crepitans* and *Dieffenbachia picta* are two other plants which active components have been reported to contain microbial and oxidation inhibition properties. Papers 3 - 5, 11, 12, 19, 39 and 45 reflected some of the results obtained.

2. Phytochemical investigation of *Alchornea laxiflora* and *Quassia Amara* used as antioxidant and hepatoprotective agents in ethno medicine

*Alchornea laxiflora* is another plant with antioxidant flavonoids, the extracts of which were shown to have hepatoprotective constituents. Quercetin being the major compound isolated has proven antioxidant activity. It was a collaborative research done with other researchers. Paper 9 summarizes the research findings. The effects and possible mechanism of action of *Quassia Amara* (L. Simaroubaceae) extract and its bioactive principles in Rats as well as the cytotoxicity and acute oral toxicity of Quassin, one of the major metabolites are reported in Papers 7, 16, 21 and 31.

3. Synthesis and biological evaluation of N-Mannich Bases

Classical and variant approaches to synthesis of N-Mannich bases of phenyl hydroxyl ketones, their characterization, and biological activities. Novel Mannich bases have been shown to have microbial and oxidation inhibition activities. Papers 13, 30, 31, 34 and 40 summarised some of our findings.

### (a) In progress

1. Chemical composition, antioxidant, antimicrobial, enzyme inhibition and hepatoprotective activities of *Larpoetea aestuans* and *Albizia zygia*.

The research was started in 2015 to isolate and characterise the secondary metabolites responsible for the enzyme inhibition and hepatoprotective activities of *Larpoetea aestuans* and *Albizia zygia* used in ethno-medicine. So far, the crude extracts from these plants have been shown to possess these activities. Novel chemical compounds have been isolated and subjected to bioassay. Report of analysis is being processed.

## 2. Application of Lignin in drug synthesis using Mannich reaction.

Lignin is a constituent of many plants but with little or no application in medicine. Research on use of Lignin was commenced in 2016. Literature search has shown that it can be used to cure many ailments but the focus in this research is its use as anti-cholesterol agent. Lignin based Mannich bases are intended to be prepared and characterised. Variant approach to synthesis of Mannich bases will be embarked upon as this will give further insight into structural activity relationship of the bases. It is expected that the activity will also be established scientifically.

## 3. Bioactive antiviral constituents of *Anogeissus leiocarpus* (DC.) Guill. & Perr. (Combretaceae) and *Vitex chrysocarpa* Planch. ex Benth.

This research was started in January 2017. The recent outbreak of viral diseases like Ebola, and Zika necessitated the research. Two Plants used in Traditional Medicine *Anogeissus leiocarpus* (DC.) Guill. & Perr. (Combretaceae) and *Vitex chrysocarpa* Planch. ex Benth. to treat viral disease have been collected and extracted. Chromatographic separation is on and HPLC-MS analysis of the methanol extracts gave metabolites of medicinal importance. Antiviral screening is currently on.

### **Current Research Interest**

- (i) Chemistry of Natural Products and their Medicinal Uses.
- (ii) Phytochemical evaluation of Medicinal Plants with emphasis on antioxidant, anticancer and hepatotoxic activities.
- (iii) Isolation and Characterisation of bioactive chemical compounds from plants
- (iv) Synthesis of Schiff and Mannich Bases and investigation of their biology activities

### **RECENT SCIENTIFIC PUBLICATIONS**

1. **Oloyede G. K.**, Oke, M.J., Raji, Y. and Olugbade, A.T. (2010). Antioxidant and Anticonvulsant Alkaloids in *Crinum ornatum* Bulb Extract. World Journal of Chemistry 5 (1): 26-31.
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5. **Oloyede G. K.**, Onocha, P.A., Soyinka, J. Oguntokun, O. and Thonda, E. (2010). Phytochemical Screening, Antimicrobial and Antioxidant activities of four Nigerian Medicinal Plants. Annals of Biological Research 1(2): 114-120.
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10. **Oloyede, G. K.** (2010). Chemical composition, toxicity, antimicrobial and antioxidant activities of the essential oil of *Peperomia pellucida* (Piperaceae) from Nigeria. International Journal of Essential Oil Therapeutics 4: 143-148.
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14. **Oloyede G. K.**, Onocha, P.A. and Abimbade, S. F. (2011). Chemical Composition, Toxicity, Antimicrobial and Antioxidant activity of Leaf and Stem Essential Oils of *Dieffenbachia picta* (Araceae). European Journal of Scientific Research 49 (4): 567-580.
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  81. Oloyede, M. O. and **Oloyede, G. K.** (2022): Effects of Social Media on Morality of Youths in Nigeria and the role of Religion. Proceedings of the 31st Accra Bespoke Multidisciplinary Innovations Conference. University of Ghana/Academic City University College, Ghana. 1st – 3rd June, 2022. Pp 105-112,  
[www.isteam.net/ghanabespoke2022](http://www.isteam.net/ghanabespoke2022). dx.doi.org/10.22624/AIMS/ABMIC2022P12  
[https://www.isteam.net/files/ugd/185b0a\\_fd72e8d6e4804d37916962704cab63a5.pdf](https://www.isteam.net/files/ugd/185b0a_fd72e8d6e4804d37916962704cab63a5.pdf)
  82. **Oloyede G. K.** (2022). Science Concatenation. Consilience Journal Issue 9  
<https://www.consilience-journal.com/issue-9-science-concatenation>
  83. **Oloyede G. K.** and Bello L. O. (2022). Chemical Composition, Antioxidant and Antimicrobial Activities of Volatile Oils of *Periscopsis laxiflora* (Fabaceae) Leaf and Stem. Bulletin of the Chemical Society of Ethiopia, 36(3): 717-725. DOI: <https://dx.doi.org/10.4314/bcse.v36i3.20>

84. **Oloyede, G. K.**, Oluwayelu, D.O., Onocha, P. A., Oyelola, M., and Spitteller, M. (2022). LC-MS analysis and free radical scavenging activity of extracts from *Anogeissus leiocarpus* (DC.) Guill. & Perr. and *Sansiviera liberica* Gerome & Labroy International Journal of Scientific Research Updates (IJSRU) 04(01): 244 - 249. <https://doi.org/10.53430/ijrsru.2022.4.1.0060>
85. **Oloyede G. K.**, Onocha, P. A. and Akinjo, M.O. (2022). Antioxidant and Antimicrobial Activities of Hydrocarbon dominated Leaf and Stem Volatile oils of *Cnestis longiflora* (Connaraceae) University of Ibadan, Nigeria Journal of Science Research, (Under review)
86. Onocha, P.A., **Oloyede, G. K.** Ikiroma, T. R. and Olusola O. W. (2023). Variation in Chemical Composition, Insecticidal and Antioxidant activities of Essential Oils from the Leaves, Stem Barks and Roots of *Blighia unijugata* (Baker) and *Blighia sapida* International Journal of Plant based Pharmaceuticals 3(1): 10-17. <https://www.ijpbp.com/index.php/ijpbp/article/view/53>  
DOI: <https://doi.org/10.29228/ijpbp.11>
87. Onocha, P. A., Ibok, M. G., Olaoluwa, O. O., **Oloyede, G. K.**, Flamini, G. (2023) Cytotoxicity, Antimicrobial and Antioxidant Activities of Apocarotenoid Rich Leaf Essential Oil of *Maesobotrya Barteri* Var. *Barteri* (Baill.) Hutch Trends in Technical and Scientific Research 6(1): 555677 DOI: 10.19080/TTSR.2023.06.555677
88. Onocha, P. A., Okpala, E.O., Ali, M.S., Noor, R., Zafar, H., **Oloyede, G.K.**, Nwozo, S.O. and Lateef, M. (2023) Partial syntheses of aromatic amides: their anti-urease potential and docking studies, Journal of Biomolecular Structure and Dynamics, DOI: [10.1080/07391102.2023.2263876](https://doi.org/10.1080/07391102.2023.2263876)
89. Odeja O.O., Onocha P.A., **Oloyede G.K.**, Ayoyerokun, D., Ibok M.G., Okpala E.O.(2023). Antimicrobial and Antioxidant Activities of Sesquiterpenes-Rich Essential Oil of *Trichilia monadelpha* (Thonn) J.J. De Wilde of Root Bark, Biology, Medicine, & Natural Product Chemistry 12(2): 687-692 DOI: 10.14421/biomedich.2023.122.687-692
90. **Oloyede G.K.**, Onocha P.A., Adebisi T. O., Olatunji H.A. and Gani-Enahoro E. H. (2024) Toxicity, Bacterial Growth Inhibition and Free radical Scavenging Activities of Synthesized Aniline and Anisidine Mannich Bases, paper presented at the American Chemical Society (ACS) African Regional Conference on Green and Sustainable Chemistry (ACS RMOGASC-2024) -Nigeria, 5<sup>th</sup> - 9<sup>th</sup>, May 2024, Theme: Green Chemistry Innovations for Sustainable Development, Sheraton Hotel, Ikeja, Lagos, Nigeria

## CONFERENCES AND WORKSHOPS ATTENDED

1. Department of Pharmaceutical Chemistry, College of Medicine, University of Ibadan – 2<sup>nd</sup> National workshop on Drug and Food Quality Assurance “Towards better quality Assurance of Drugs and Foods in the 21<sup>st</sup> century”. 12 – 16 May 1997.
2. Department of Pharmaceutical Chemistry, College of Medicine, University of Ibadan and NAFDAC, Training workshop on detection and identification of counterfeit and substandard pharmaceutical products, 6 – 10 July 1998.
3. **Raimi G.K.** (2000). Food and Drink, Quality or Quantity. Paper presented at the Oyo State Ministry of Health, Ibadan – 2 day sensitization workshop for sweetened drinks producers in Oyo State. 27-28 September, 2000.

4. Department of Pharmaceutical Chemistry, College of Medicine, University of Ibadan – 4<sup>th</sup> National workshop on Drug Quality Assurance. Biopharmaceutical Methods in Drug Quality Assurance. 20-24 August, 2001.
5. Oyo State Ministry of Health and Ultimate Reflection Ltd – 2 day seminar/workshop on Safe Water and Environmental Management for all Package water producers in Oyo State, 13 – 14 February 2002.
6. **Raimi G.K. (2002)**. Presentation of Proton NMR Spectrum of Heamanthamine. Paper presented at The Central Science Laboratory, Obafemi Awolowo University Ile-Ife. Training workshop on “Separation and Spectroscopic Techniques in Natural Product Research, Pharmaceutical Analysis and Synthesis”. 14-16 October, 2002.
7. **Oloyede G. K. (2002)**. Liquor Trading within the context of the existing law/ Traders Legal Protection. Paper presented at the Oyo State Ministry of Health and Organisation for Human Life Protection – 1 day Seminar on Ensuring Decorous Liquor trade in Oyo State. Sensitizing, Protection and Control. 19<sup>th</sup> December, 2002.
8. Oyo State Ministry of Health and The United Bottlers Association – 1 day Seminar on the control of hazards/infections in Beverage production. 19<sup>th</sup> February, 2003.
9. **Oloyede G. K. (2003)**. Salient features of Food Manufacturing Process and Pro-active Approach to Food Safety. Paper presented at the Oyo State Ministry of Health, and Timbeth Consult, 2–day Seminar/ Workshop on “Good Manufacturing Practice; A necessity for the prevention and control of hazards/infections in Beverage production”. 3-4 April, 2003.
10. **Oloyede G. K. (2004)**. Liquor Trading within the context of the existing law vis-à-vis Traders protection. Paper presented at the Oyo State Ministry of Health and The United Bottlers Association – 1 day Training Workshop on Control of the use of Ethanol in Hot drinks production. 20<sup>th</sup> May, 2004.
11. University of Ibadan Consultancy Services Unit in collaboration with Department of Pharmaceutical Chemistry, University of Ibadan, Training Workshop on Analytical process skill enhancement workshop for Pharmaceutical/ Drug Analysts. 23 – 27 August, 2004.
12. **Oloyede G. K. (2010)**. Best Practises for the inclusion of Women in Science and Technology: The South-western Nigeria experience. Paper presented at the Third World Organisation for Women in Science (TWOWS) Fourth General Assembly and International Conference: *Women Scientists in a Changing World* 27-30 June 2010, Beijing, China.
13. Training Workshop on E-learning organised by the University of Ibadan in conjunction with Partnership for Higher Education Initiative (PHEI)-SAIDE. 3<sup>rd</sup> -5<sup>th</sup> March 2011, Oshogbo, Nigeria.
14. 3-Day – Museum Administration Training- of- trainers (TOT) Workshop on Conservation, Preservation and Museum Administration organised by University of Ibadan Cultural Heritage Museum, 27<sup>th</sup> -29<sup>th</sup> July, 2011 University of Ibadan, Nigeria.
15. **Oloyede, G.K. and Olukoyejo E. Ayanbadejo (2011)**. Phytochemical, toxicity, antimicrobial and antioxidant screening of extracts obtained from *Laportea aestuans* (Gaud). Paper presented at the Chemical Society of Nigeria (CSN) 34<sup>th</sup> Annual International Conference, Workshop & Exhibition KWARA 2011. Theme: Chemistry and the Millennium Development Goals. 19<sup>th</sup> - 23<sup>rd</sup> Dec 2011, University of Ilorin, Ilorin Nigeria.
16. University of Ibadan World Bank Step-B Project, Training Workshop on Courseware Development for Women 7<sup>th</sup> May, 2012, University of Ibadan, Nigeria.

17. Faculty of Science University of Ibadan, Training Workshop on Responsible Conduct in Research 25<sup>th</sup> -26<sup>th</sup> July, 2012, Lakeside Lecture theatre University of Ibadan, Nigeria.
18. University of Ibadan Centre for Sustainable Development (CESDEV), in conjunction with Centre for Social Orientation (CenSo), Training and Orientation for New UI Staff (Phase II) 18<sup>th</sup> -20<sup>th</sup> December, 2012, University of Ibadan, Nigeria.
19. Faculty of Science University of Ibadan, International Conference on Science and Sustainable Development in Nigeria 13<sup>th</sup> -17<sup>th</sup> May, 2013, Conference Centre, University of Ibadan, Nigeria.
20. National Library of Nigeria, Oyo State Branch, One – day Seminar on Book Publishing; Contemporary Issues organised for Stakeholders in Book Publishing. 8<sup>th</sup> December, 2014 at the National Library of Nigeria, Oyo State Branch, Iyaganku G.R.A. Ibadan, Oyo State.
21. Fasola T. R., **Oloyede, G. K.** and Aponjolosun, B. S. (2015). Guava (*Psidium guajava* Linn.) stem bark extracts: Toxicity and Free radical scavenging activity. Paper presented at the Faculty of Science University of Ibadan, 2<sup>nd</sup> International conference on Scientific research and innovation in Nigeria 16<sup>th</sup> - 20<sup>th</sup> March, 2015.
22. Onocha P.A, **Oloyede G. K.** and Odeja O. O. (2015): Hydroxyl radical scavenging, antimicrobial and toxicity screening of *Sterculiar tragacantha* Lindl (Malvaceae), Paper presented at the “Third International Conference on Advances in Bio-Informatics, Bio-Technology and Environmental Engineering - ABBE 2015” organized by Institute of Research Engineers and Doctors at Birmingham City University (North Campus), Birmingham, UK. 26 - 27 May, 2015 pp 52-58.
23. Onocha P.A, **Oloyede G. K.** and Akintola J. A. (2015): Chemical composition, free radical scavenging and antimicrobial activities of essential oil of *Mariscus alternifolius* Vahl. Paper presented at the Drug Discovery and Therapy World Congress, 22-25 July 2015 at John B. Hynes Veterans Memorial Convention Center, Boston, USA.
24. Fasola T. R., **Oloyede G. K.** and Oladipo F.M. (2015): Phytochemical and Antibacterial activity of *Morinda lucida* (Benth) stem bark extracts on some clinical isolates. Botanical Society of Nigeria 3<sup>rd</sup> International Conference and Exhibition. 16<sup>th</sup> -20<sup>th</sup> August 2015, Dept of Botany, University of Lagos.
25. Chemical Society of Nigeria (CSN) 38<sup>th</sup> Annual International Conference, Workshop & Exhibition Annual General Meeting And FASC Congress (Abuja, 2015). Theme: Shaping Chemistry of Natural Resources into Sustainable Product development for Combating Current and Future Challenges of Global Health. 20 - 25 September, 2015, ICC, Garki Abuja.
26. **Oloyede, G. K.**, Adaramoye, O. A. and Olatinwo, M. B. (2016): Chemical Constituents of Sandboxtree (*Hura crepitans* Linn.) and Anti-hepatotoxic activity of the leaves and stem bark extracts. Chemical Society of Nigeria (CSN) 39<sup>th</sup> Annual International Conference, Workshop, Exhibition, Annual General meeting (Garden City 2016). Theme: Shaping Chemistry of Natural Resources into Sustainable Product Development for combating Current and Future Challenges of Global Health. 18 - 25 September 2016, Port Harcourt Rivers State, Nigeria.
27. International Centre for Chemical and Biological Sciences (ICCBS, Pakistan), Sandia national Laboratories (SNL, USA) and U.S. Civilian Research and Development Foundation (CRDF Global, USA) jointly organised webinar entitled “Training on Chemical Risk Management & Assessment of Chemical Security Risks” 12 November, 1 & 3 December, 2016 at L.E.J. National Science Information Centre ICCBS, University of Karachi.

28. **Oloyede, G. K.**, Udeh, U.E. and Puusu, M.E. (2016): Free Radical Scavenging Activity of Sesquiterpene indole and Caryophyllene dominated Leaf and Stem essential oils of *Secamone afzelii* (Schult) K. Schum and *Pergularia daemia* (Forsk) Chiov (Asclepiadaceae). 14<sup>th</sup> EURASIA Conference on Chemical Sciences (EuAsC<sub>2</sub>S-14). 15-18 2016 International Centre for Chemical and Biological Sciences, University of Karachi.
29. Virtual Education Project Pakistan (VEPP) and Latif Ebrahim Jamal National Science and Information Centre, International Centre for Chemical and Biological Sciences (ICCBS), University of Karachi, Pakistan, jointly organised Workshop on Scientific Writing, 26-28 December, 2016 at L.E.J. National Science Information Centre ICCBS, University of Karachi.
30. **Oloyede G. K.** (2017): Hindrances to development Traditional African Medicine - Nigeria in Perspective Paper presented as Invited Speaker at 4<sup>th</sup> Hamdard International Conference on Unani Medicine-2017 with theme “Unani Medicine: Past, Present and Future” January 9 – 11, 2017, at Bait al-Hikma Auditorium, Hamdard University, Madinat al-Hikma, Karachi, Pakistan.
31. **Oloyede G. K.** (2017): Herbal formulations in Nigeria: A survey of three major tribes. Paper presented at 4<sup>th</sup> Hamdard International Conference on Unani Medicine-2017 with theme “Unani Medicine: Past, Present and Future” January 9 – 11, 2017, at Bait al-Hikma Auditorium, Hamdard University, Madinat al-Hikma, Karachi, Pakistan.
32. CWC National Authority and Disarmament Coordination Cell (Ministry of Foreign Affairs, Pakistan), International Centre for Chemical and Biological Sciences (ICCBS, Pakistan), Virtual Education Project Pakistan (VEPP), Sandia National Laboratories, USA and CRDF Global, USA jointly organised webinar entitled “Implementation and Assessment of Chemical Safety and Security Risks in Academic Institution of Pakistan” 19 & 26, January and 2 February 2017 at L.E.J. National Science Information Centre ICCBS, University of Karachi.
33. International Centre for Chemical and Biological Sciences (ICCBS, Pakistan), One – day training and demonstration on handling Fire emergency situation/ Training/Practical demonstration on Use of Fire safety equipment. 16 February, 2017
34. Jamil-ur-Rahman Center for Genome Research (JRCGR), Dr Panjwani Centre for Molecular Medicine and Drug Research and International Centre for Chemical and Biological Sciences (ICCBS, Pakistan), University of Karachi jointly organised workshop on “Next Generation DNA Sequencing Data Analysis”, 27-29 March, 2017.
35. **Oloyede, G. K.**, Onocha P. A., Ali, M. S. and Lateef M. (2017). Free radical scavenging activity of non saponifiable lipids from *Dieffenbachia picta* (lodd.) Schott. Leaves and identification of a lanostane triterpenoid. Faculty of Science 3rd International Conference on Scientific Research in Nigeria. Theme: Diversification of Nigeria’s Economy Through Science 16<sup>th</sup> - 19<sup>th</sup> May, 2015. Lakeside Lecture Theatre, Faculty of Science, UI.
36. National Open University of Nigeria Ibadan Study Center, 2-day Training Workshop on Open and Distance Learning Theme: Lecturing or facilitating: What is the difference? 17<sup>th</sup> -18<sup>th</sup> April, 2018. National Open University of Nigeria Ibadan Study Center, Faith Clinic Road,Sango, Ibadan, Nigeria.



37. **Oloyede G. K.** and Aderibigbe S.A. (2018). Chemical and Physicochemical Composition of Watermelon Seed Oil (*Citrullus lanatus* L.) and Investigation of the Antioxidant Activity *Sixth International Conference on Advances in Bio-Informatics, Bio-Technology and Environmental Engineering - ABBE'18 organized by Institute of Research Engineers and Doctors, U. S. A. at Novotel Zurich City - West Hotels Zurich, Switzerland.* 28 - 29 April, 2018. SEEK Digital Library Publishers.
38. **Oloyede, G. K.,** Ali, M. S., Lateef M. Anyaele, G. C. and Adeniyi E.M. (2018). Classical and variant approaches to Synthesis of N-Mannich bases of phenyl hydroxyl ketones, their Characterization, Urease inhibition and Antioxidant activities *256th American Chemical Society (ACS) National Meeting & Exposition* Boston, USA, 19 - 23 August, 2018.
39. **Oloyede, G.K. ,** Ale, O. , Aderibigbe S.A. and Kolawole, B.K. Comparison of Physicochemical and Proximate Properties of Crude Rice Bran and Processed Rice (*Oryza Sativa*) Oils. *256th American Chemical Society (ACS) National Meeting & Exposition* Theme: Nanoscience, Nanotechnology & Beyond, Boston, USA, 19 - 23 August, 2018.
40. Onocha, P.A., **Oloyede, G. K.,** Lawal I. B. and Madu P.I. (2018). Volatile oil composition and free radical scavenging activity of *Strophanthus hispidus*, *Byrsocarpus coccineus* and *Morus mesozygia* Paper presented at the Chemical Society of Nigeria (CSN) 41<sup>st</sup> Annual International Conference, Workshop, Exhibition, Annual General meeting (Ibadan 2018). Theme: Chemical Sciences in an Emerging Economy: Issues, Prospects and Opportunities. 16<sup>th</sup>-21<sup>st</sup> September 2018, Conference Centre, UI Hotels, University of Ibadan, Nigeria.
41. **Oloyede, G. K.,** Lateef, M., Alli, B. G., and Balogun, K.Y (2019). Enzyme inhibition, free radical scavenging and insecticidal activities of crude extracts and isolates from *Laportea aestuans* (Gaud). *257th American Chemical Society (ACS) National Meeting & Exposition* Theme: Chemistry For New Frontiers, Orlando, USA, 31 March - 04 April, 2019.
42. American Chemical Society National Open University of Nigeria Ibadan Study Center Chapter organized Chemistry Festival 2019 and Celebration of the International Year of Periodic Table. Theme: Ibadan for Chemistry 2019 - Use of hands - on activities to spread the importance of Chemistry 22<sup>nd</sup>-24<sup>th</sup> July 2019.
43. Association of Women in Science (AWIS) Philadelphia, ACS Division of Organic Chemistry and Empowering Women in Organic Chemistry Philadelphia jointly organised virtual conference on “Empowering Women in Organic Chemistry (EWOC) 2020”, 13-14 August, 2020.
44. International E-Conference On Biotechnology, Bioinformatics and Biomedicine 2020 (IECBBB-2020) organized by Faculty of Applied Sciences, AIMST University,, Kedah, Malaysia 24-26 August 2020. Theme: challenges and opportunities in Biotechnology Bioinformatics and Biomedicine in the Post –Covid Era.
45. **Oloyede G. K.** (2020). “A New Normal for Students in the era of COVID 19 pandemic”. Paper presented at 2020 Virtual Africa Science Buskers Festival (Zimbabwe) in collaboration with American Chemical Society National Open University of Nigeria Chapter. 28-30 August, 2020.
46. Chemical Society of Nigeria (CSN) and Women In Chemistry jointly organized webinar on Strategies for a Successful career as a female Chemist. 1<sup>st</sup> September, 2020.
47. American Chemical Society National Open University of Nigeria Ibadan Study Center Chapter organized Science Workshop and Annual General Meeting. Topic:

- Capacity Building for Effective Project/Report Writing For Open and Distance Learning (ODL) 10 November, 2020.
48. American Chemical Society National Open University of Nigeria Ibadan Study Center Chapter organized Chemistry Festival 2020. Theme: Entrepreneurship: Use of hands on activity to spread the importance of Chemistry 13-19<sup>th</sup> November 2020.
  49. Organization for women in Science for the Developing World (OWSD) University of Ibadan, Chapter organized Virtual Workshop. Theme: New Perspective in the COVID 19 Era. 27<sup>th</sup> January 2021.
  50. **Oloyede G. K.** (2021): "Exploring the benefits of Phytochemistry and Techniques Involved in Isolation and Characterisation". American Chemical Society National Open University of Nigeria Ibadan Study Center Chapter organized Science Outreach/Professional Development. Theme: Opportunity For Distance Learner to gain Laboratory Experience 9<sup>th</sup> -11<sup>th</sup> March 2021. Herbal Production Center Forestry Research Institute of Nigeria (FRIN) Jericho, Ibadan Oyo State.
  51. **Oloyede G. K.** (2021): "Caring for the Environment" 2021 Physical and Virtual Workshop of American Chemical Society USA and American Chemical Society Nigeria International Chemical Sciences Chapter 20<sup>th</sup> -22<sup>th</sup> April, 2021 in commemoration of World Earth Day Celebration/Chemist Celebrate Earth Week, Theme: Reducing Our Footprint with Chemistry. National Open University of Nigeria Ibadan Study Center Chapter.
  52. Information, Technology and Media Services (ITeMS), University of Ibadan, Nigeria organized ITeMS TRAINING-Digital Productivity Tools (Module 1) June 3, 10, 17 and 24, 2021, TRD-ITeMS, Mini ICT Squares, Appleton Road by Tech Junction, University of Ibadan, Nigeria
  53. Science Association of Nigeria (SAN) in collaboration with University of Ibadan, Nigeria, 54<sup>th</sup> Annual (Hybrid) Conference and 60<sup>th</sup> Anniversary Celebration of the Science Association of Nigeria organized conference "Oluyole 2021" Theme: "Securing the Nigerian Environment through Science, Technology and Innovation (STI)" 20-24 June, 2021, Faculty Lecture Theater, Faculty of Science, University of Ibadan, Nigeria,
  54. Comprehensive Nuclear ban Treaty Organization (CTBTO) SnT2021 Virtual 6<sup>th</sup> CTBT Science and Technology Conference. Themes: The Earth as a Complex System, Events and Nuclear Test Sites, Verification Technologies and Technique Application, Performance Evaluation and Optimization, CTBT in a Global Context 28 June - 2 July, 2021.
  55. International Linkages and Alumni Relations Office, L.E.J. National Science Information Center. International Center for Chemical and Biological Science, University of Karachi, Karachi organized COMSTECH Webinar on "South Asia's Health Care Challenges" by Dr. Mobashir Ahmed Bhatti 30<sup>th</sup> June, 2021.
  56. Information, Technology and Media Services (ITeMS), University of Ibadan, Nigeria organized ITeMS TRAINING-Digital Productivity Tools (Module 2) July 7, 14, 22 and 28, 2021, TRD-ITeMS, Mini ICT Squares, Appleton Road by Tech Junction, University of Ibadan, Nigeria.
  57. International Linkages and Alumni Relations Office, L.E.J. National Science Information Center. International Center for Chemical and Biological Science, University of Karachi, Karachi organized COMSTECH Webinar on "(Thermo) Dynamic Systems in Biology and Physics" and "Cyclic Peptides Anticancer Drug Delivery" by Prof. Dr. Utkir A. Rozikov and Prof. Dr. Keykavous Parang on 8<sup>th</sup> and 13<sup>th</sup> July, 2021.

58. COMSTECH in collaboration with International Linkages and Alumni Relations Office, H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi organized Hybrid (Physical and Virtual) International Workshop on “Recent Developments in Drug Discovery and Medicinal Chemistry” 26<sup>th</sup> -27<sup>th</sup> July, 2021.
59. Asian Council of Science Editors (ACSE) Dubai, UAE 7<sup>th</sup> Annual Conference of the ACSE (Virtual) 21st August, 2021 Theme: Educate, Engage, Experience, Empower.
60. American Chemical Society National Open University of Nigeria Ibadan Study Center Chapter organized Chemistry Festival 2021. Theme: Skill Acquisition: Use of hands on activity to produce Materials for Non-Pharmaceutical Intervention Against COVID-19 Pandemic thereby spreading the importance of Chemistry 22nd-29<sup>th</sup> September 2021.
61. Keynote Speaker at American Chemical Society National Open University of Nigeria Ibadan Study Center Chapter organized Science Workshop and Annual General Meeting. Topic: Chemistry as a Career in the 21<sup>st</sup> Century-Catching them Young 23rd September, 2021.
62. **Oloyede G. K.** (2021): “Now and Beyond Chemistry” paper presented at 2021 Personality Lecture Series of Annual Chemical Week, Student Chemical Society, University of Ibadan, Nigeria 11<sup>th</sup> October, 2021
63. **Oloyede, G. K.** and Abolade E. E. (2021). Chemical composition, antimicrobial and antioxidant activities of volatile oil of *Dichapetalum bateri (engl.) Bret.* Paper presented at the International Union of Pure and Applied Chemistry (IUPAC) and The Chemical Society of Nigeria (CSN) 44<sup>th</sup> Annual International Conference, Workshop, Exhibition, Annual General meeting and 50<sup>th</sup> Anniversary. Theme: Global Electrical & Electronic Waste: Health Hazards For Africa 7<sup>th</sup>-11<sup>st</sup> November 2021, Conference Centre, Yard 158, Oregun, Lagos, Nigeria, pp.
64. The association of African Universities (AAU) 2021 Virtual African Universities’ Day Celebrations. Theme: Building Technology based Resilient Universities Now! 8<sup>th</sup> – 12<sup>th</sup> November, 2021.
65. Organisation for Women in Science for the developing World (OWSD) Virtual 6<sup>th</sup> general Assembly and International Conference. Themes: The importance of basic sciences for development; Applied science: results for development; including sex and gender as variables in scientific research; and Impacts of the COVID-19 pandemic; 8<sup>th</sup> -19<sup>th</sup> November, 2021.
66. **Oloyede, G. K.** (2022). Gender on the Higher Education Learning Agenda Internationally (GOTHELAI) Virtual Conference Theme: Co-constructing Foundations for Equitable Futures International online conference, 20th-21st January 2022
67. 2022 Virtual Meeting of the Higher Education Cluster of the 2016-2025 Continental Education Strategy for Africa (CESA) of the Association of African Universities, Ghana Theme: “The Future of Higher Education in Africa: Crisis and Resilience” 7<sup>th</sup> February, 2022
68. **Oloyede G. K.** (2022). Women and Girls participation in Science, Technology, Engineering, Mathematics and Medicine (STEMM) - A NECESSITY Theme: Celebrating 2022 UNESCO International Day of Women and Girls in Science by Organization for Women in Science for the Developing World (OWSD) and IUPAC and RSC Global Women’s Breakfast, Theme: Empowering Diversity in Science 11th February, 2022, and 16<sup>th</sup> February, 2022 at Isabatudeen Girls Grammar School, Ibadan, Nigeria.

69. Onocha P. A., **Oloyede G. K.** and Busari F. A.(2022) Chemical Composition and Biological Activities of Volatile Oils of *Agelaea obliqua* (P.Beauv.) Baill (Connaraceae) and *Usteria guineensis* Willd (Loganiaceae) 7<sup>th</sup> Annual Symposium of the American Chemical Society, Nigeria International Chemical Sciences Chapter. Theme: Repositioning the Chemical Sciences for Tackling Emerging Threats to National Security 6-9<sup>th</sup> March, 2022 Raw Materials Research and Development Council, Maitama, Abuja, Nigeria.
70. Association of African Universities (AAU) Accra, Ghana and the Women in Higher Education Network (WoHEN), organizes virtual International Women's Day Forum to mark 2022 International Women's Day. Theme: "Breaking the Bias in African Higher Education: Equality Today for a Sustainable Tomorrow", March 8, 2022.
71. Nature Conferences (2022) A Virtual 2022 conference "Breaking Barriers for Gender Equity Through Research" Theme: celebrating women, their contributions to science, and the progress of SDG5, Scientific American Women Network/Springer Nature, 9-10<sup>th</sup> March 2022.
72. ASBMB (2022) Virtual Women's History Month STEM Edit-a-thon organized by the American Society for Microbiology, the American Society for Biochemistry and Molecular Biology, American Chemical Society, and 500 Women Scientists. 16 March, 2022.
73. COMSTECH (Standing Committee on scientific and Technological Cooperation) of the Organisation of Islamic Cooperation (OIC) in collaboration with International Linkages and Alumni Relations Office, H.E.J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences (ICCBS), University of Karachi, Karachi organised Online Workshop on Scientific Writing 17<sup>th</sup> -19<sup>th</sup> March, 2022.
74. American Chemical Society Division of Chemical Health and Safety (ACS CHAS). online workshop titled "Empowering Academic Researchers to Strengthen Safety Culture" on 20 March 2022.
75. **Oloyede G.K. (2022)** Girls participation in STEMM, 2022 American Chemical Society Science Festival, Theme: Chemistry and Health: Use of Hands On Activities to prodce Non-Pharmaceutical Material against COVID 19 Pandemic – Lecture, Drama, and Poetry 22<sup>nd</sup> March- 6<sup>th</sup> April, 2022 Ibadan, Nigeria.
76. The Standing Committee for Gender Equality in Science (SCGES) in collaboration with GenderInSite organised webinar entitled, "Women in Global Science Organizations, 24 March 2022.
77. One day Virtual Seminar of the American Chemical Society Nigeria International Chemical Sciences Chapter, 2022. World Earth Day Celebration Theme: The Buzz About Bugs: Insect Chemistry 21 April, 2022. Presentation of Celebrating Chemistry Magazine, an ACS USA Publication at the seminar by Oloyede G.K.
78. **Oloyede G.K.(2022).** "Attracting and Retaining Women in the Chemistry Profession" #WCC95, #ACSWCC One day Seminar in respect of 95<sup>th</sup> Anniversary Celebration of the ACS WCC (Women Chemists Committee) Theme: 1. Attracting and Retaining Women in the Chemistry Profession 2. Life of Women after Service 18-19 May, 2022 at St Louis Grammar School Mokola Ibadan, Oyo State Nigeria.
79. **Oloyede G.K. (2022).** Online Teaching and Learning as a paradigm for gender – inclusiveness in African Higher Education. Accra Bespoke Innovations Conference and The Africa A1 Stakeholders Summit- An iSTEAMS Event Series 31 Organized By Society for Multidisciplinary & Advanced Research Techniques (SMART) Africa in Collaboration with Department of Operations & MIS - University of Ghana,

- Accra, Ghana Faculty of Computational Sciences - Academic City University College, Accra, Ghana Theme: Bespoke Innovations Multidisciplinary Research Outcomes for Addressing Human Centered Challenges. 30<sup>th</sup> May-4<sup>th</sup> June, 2022, University of Ghana, Legon, Accra Ghana. And Global Science Outreach of the American Chemical Society University of Ibadan, International Student Chapter in Selected Ghanaian Universities and Association of African Universities starting from 30<sup>th</sup> May, 2022.
80. Nature Research Academies USA and GlobalSCAPE, UK, organised 3-day virtual workshop on Science Communication for professionals, 6-8 June, 2022.
  81. Institute of Chartered Chemists of Nigeria (ICCON), 16<sup>th</sup> MCPD Workshop and Induction/Investiture, Theme: Safety and Health in the Use of Chemicals, 29<sup>th</sup> - 30<sup>th</sup> June, 2022, Idris Abdulkadir Auditorium, National Universities Commission, Aja Nwachukwu House, No 26, Aguiyi Ironsi Street, Maitama Abuja, Nigeria.
  82. **Oloyede G.K.** (2022). Career Consultant Activity *261st Hybrid American Chemical Society (ACS) National Meeting & Exposition (ACS Fall 2022)* Theme: Sustainability in a Changing World, Chicago, IL USA, 20 - 25 August, 2022.
  83. Online Training on Peer Review by Nature Master Classes, Springer Nature USA and Elsevier Researcher Academy, USA 11 September and 16 September, 2022 respectively.
  84. Live-Virtual Event: From innovative ideas to Scholarly Books in Science & Technology organized by Taylor and Francis Group, an Informa business; 12 September, 2022.
  85. Hybrid International Training Workshop on Managing Science and Technology Parks (STPs) organized by OIC Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH), Pardis Technology Park, Iran and ICCBS Technology Park and Technology Incubation Center, Pakistan, COMSTECH Secretariat, Islamabad, September 7-8, 2022.
  86. **Oloyede G.K.** (2022). Judge at 3<sup>rd</sup> Commonwealth Chemistry Posters Theme: Building Networks to Address the Goals 28<sup>th</sup>- 29<sup>th</sup> September 2022 Organised by Commonwealth Chemistry, Federation of Chemical Sciences Societies- Royal Society of Chemistry UK.
  87. One day Virtual Seminar organised by Chemistry World Webinars in association with Medicines for Malaria Ventures titled Finding New Medicines for Malaria, 28 September, 2022.
  88. Online Training workshop on Climate Change Advocacy organised by American Chemical Society USA 5 October 2022.
  89. One day Virtual Seminar organised by Association of African Universities (AAU) Accra, Ghana- The COVID-19 Diary virtual symposium, theme: The effectiveness of African health systems in managing pandemics, 12<sup>th</sup> October, 2022.
  90. Association of African Universities (AAU) Accra, Ghana organised Virtual event-Africa Universities' Day Celebrations, theme, "Open Science-Bringing Equity to Research and Publishing" 7-11 November, 2022
  91. **Oloyede G.K.** (2022) American Chemical Society University of Ibadan, Nigeria Development and Engagement programme titled (i) Inspiring Students in STEMM education through Scientific and Industrial Outreach, (ii) Writing Term Papers and Report, University of Ibadan, Nigeria, 14 -19 November, 2022.
  92. Virtual Seminar organised by American Journal Expert/Research Square titled Citation Booster: Enhancing the Reach, Readership and Visibility of your Publications, Enhance Your public Speaking and Presentation Skills, Academic

- Branding: Improving Your Visibility, Network and Career Opportunities 16, 22, 29 November, 2022.
93. One day Hybrid Seminar organised by Africa.com/Bill Gates in conjunction with University of Nairobi Kenya Innovating for Food Security and Climate Change in Africa 17 November, 2022.
  94. One day Virtual Seminar organised by Harry Frank Guggenheim Foundation (HFG) titled Understanding drivers of Violent Extremism in Africa (an HFG Knowledge Against Violence Speaker Series) 17 November, 2022.
  95. **Oloyede G.K.** (2022) Chemists Celebrate Earth Week (CCEW) and Chemistry Festival public awareness campaign 2022, American Chemical Society University of Ibadan, Nigeria Science Festival, Theme: Public awareness on best practices for a safer, cleaner and greener environment 19<sup>th</sup> November- 6<sup>th</sup> December, 2022 Ibadan, Nigeria.
  96. **Oloyede G.K.** (2022) Seminars for Professional development to increase and support diversity, equity, inclusion, and respect (DEIR)- American Chemical Society University of Ibadan, Nigeria DIER programme, Theme: Inspiring and creating opportunities in STEMM for physically challenged students and their tutors 20 November- 8<sup>th</sup> December, 2022 Ibadan, Nigeria.
  97. One day Virtual Webinar organised by Asian Council of Science Editors (ACSE) tagged GPP4 Practical Implementation titled on Practical Implementation of Good Publication Practise 2022 for Biomedical Editors 27 November, 2022.
  98. Asian Development Bank Institute (2022) 25<sup>th</sup> Hybrid Annual Conference of Asian Development Bank Institute, Theme: Fostering Resilient Global Supply Chains Amid Risk and Uncertainty 29 November – 1 December, 2022
  99. Three days Virtual event of American Chemical Society, Theme: The role of Chemistry in addressing hunger and food security. ACS Campaign for a Sustainable Future: Zero Hunger Summit 5-8, December 2022
  100. **Oloyede G. K.** (2022): “Career in Chemistry and Professional Organisations” paper presented at 2022 ACS/SCSN Fresher’s Welcome Programme, Student Chemical Society, Theme: In –situ Momentum University of Ibadan, Nigeria 8<sup>th</sup> December, 2022
  101. Esther E. Oluwasanmi and **Oloyede G.K.** (2022) “An Overview of the ACS Activities, Challenges, Successes, Lessons Learnt, And Best Practices (University of Ibadan Nigeria) at American Chemical Society (ACS) USA and Federation of African Societies of Chemistry (FASC), jointly organized leadership Summit and Conference, Atlantic Basic Conference on Chemistry (ABCCChem), Mövenpick Mansour Eddahbi & Palais des Congres Marrakech, Morocco from 11- 16 December, 2022
  102. **Oloyede G.K.** (2023) “Youth, STEMM and Best Practices to attain Leadership” One Day Virtual Seminar to celebrate the UN International Day of Education, 24<sup>th</sup> of January, 2023, Organised by GKO Career in STEMM and Women Empowerment Initiative in conjunction with 4<sup>th</sup> edition of #The Learning Planet Festival and American Chemical Society, UI Chapter 24-28 January 2023. Theme: Youth, STEMM and Best Practices to attain Leadership.
  103. **Oloyede G.K.** (2023) “Family, Wellness and Workplace Balance for Women in STEMM Discipline” organised by GKO Career in STEMM and Women Empowerment Initiative and Royal Society of Chemistry, UK to celebrate IUPAC-Global Women Breakfast, Theme: Family, Wellness and Workplace Balance for Women in STEMM Discipline at the Johnson Academy, Ajibode on 31 January, 2023.

104. **Oloyede G.K.** (2023) “Conversation with Women Leaders to break barriers for better gender participation” organized by Organisation for Women in Science for the Developing World University of Ibadan Chapter in collaboration with Royal Society of Chemistry UK to celebrate UN International Day of Women and girls in Science 14<sup>th</sup> February 2023. Visits to Schools-Jericho High School, Eleyele Ibadan. Theme: Conversation with Women Leaders to Break barriers in Science
105. **Oloyede G.K.** (2023) “Breaking Barriers in Science” organized by Women Chemist Committee of Chemical Society of Nigeria, University of Ibadan, Nigeria to celebrate the International Union of Pure and Applied Chemistry (IUPAC) Global Women’s Breakfast, and UN International Day of Women and girls in Science on February 14, 2023, Faculty of Social Sciences Lecture Hall, University of Ibadan, Nigeria.
106. OIC Ministerial Standing Committee on Scientific and Technological Cooperation (COMSTECH) and NAPRECA organized Webinar on “Recent Advances in Nuclear Magnetic Resonance Spectroscopy” 20<sup>th</sup> February, 2023.
107. Training Center in Communication in conjunction with Organisation of Women in Science for the Developing World, Italy and UNESCO jointly organized webinar to commemorate the International Women’s Day. Theme: Social Justice and Gender in Universities, 8<sup>th</sup> March, 2023
108. **Oloyede G.K.** (2023). Unending Search for Drugs from Natural Products and Synthesis. 1st series of 2021/2022 Faculty Lecture delivered in the Faculty of Science, University of Ibadan, Nigeria, 21<sup>st</sup> March, 2023.
109. **Oloyede G. K.** (2023): “Celebrating female Chemists” paper presented at 2023 #WCCIN ACTION, #ACSWCC (American Chemical Society, Women Chemist Committee), Theme: Career Advancement of Female Chemist-Engage, Advance and Advocating for Women, University of Ibadan, Nigeria 28<sup>th</sup> September, 2023
110. **Oloyede G. K.** (2023): “Career in Chemistry and Professional Organisations” paper presented at 2023 ACS/SCSN Fresher’s Welcome Programme, Student Chemical Society, University of Ibadan, Nigeria 29<sup>th</sup> September, 2023
111. **Oloyede G. K.** (2024): “Chemistry and Gender” paper presented at 6<sup>th</sup> International day of Education/American Chemical Society Programme, 24<sup>th</sup> January, 2024 at some selected High Schools in Ibadan Metropolis.
112. One-day Strategic Planning Workshop for Phase 1 on Institutionalising University of Ibadan E-Learning at Senator Abiola Ajimobi Resource Center, Institute of Peace and Conflict Studies (IPSS), University of Ibadan, Ibadan.30<sup>th</sup> January, 2024.
113. One day Seminar organized by Organisation of Women in Science for the Developing World, Ibadan Chapter to celebrate the 9<sup>th</sup> UN International day of Women and Girls in Science, 12<sup>th</sup> January 2024; Theme: Women and Girls in Science Leadership- a New Era for Sustainability and sub theme: Think Science....Think Peace. Lecture titled: Egg Donation in Fertility Interventions: What are the pitfalls? at Zoology Lecture Theater, University of Ibadan, Ibadan.
114. One Day Summit (Hybrid) organized by American Chemical Society, University of Ilorin Chapter titled ACS-LSAC DIER African Heritage Summit Nigeria, University of Ilorin Auditorium Basement 23 February, 2024.
115. **Oloyede G. K.** (2024) ‘Career Leverage for Women in STEMM Discipline for sustainable growth’ paper presented at Royal Society of Chemistry/American Chemical Society/IUPAC Global Women Breakfast Event Theme: Catalysing Diversity in Science 27<sup>th</sup> February, 2024 at some selected High Schools in Ibadan Metropolis.

116. One day Virtual Webinar organized by Association of African University (AAU), the African Women in Higher Education Network (WoHEN) and the Women's University in Africa (WUA) to celebrate the International Women's Day. Theme: Invest in Women in African Higher Education: Accelerate Progress, on 8<sup>th</sup> March, 2024.
117. One day Virtual Webinar organized by American Chemical Society Nigeria International Chapter on Chemists celebrates Earth week 24<sup>th</sup> April, 2024. Theme: Batteries: Get a Charge out of Chemistry.
118. **Oloyede G. K.** (2024) Co-Chair of Organizing Committee/ Chair of Scientific Sub Committee of the American Chemical Society (ACS) African Regional Conference on Green and Sustainable Chemistry (ACS RMOGASC-2024) -Nigeria, 5<sup>th</sup> - 9<sup>th</sup>, May 2024, Theme: Green Chemistry Innovations for Sustainable Development, Sheraton Hotel, Ikeja, Lagos, Nigeria. **Oloyede G.K.**, Onocha P.A., Adebisi T. O., Olatunji H.A. and Gani-Enahoro E. H. (2024) Toxicity, Bacterial Growth Inhibition and Free radical Scavenging Activities of Synthesized Aniline and Anisidine Mannich Bases (Accepted Abstract)
119. **Oloyede G.K.** (2024). Panelist at 5-day Virtual Green Chemistry Conference, hosted by MoreGreen Plus, Tai Solarin University of Education and Supported by Beyond Benign. Theme: Innovating With Green Chemistry in 21<sup>st</sup> Century 20-24 May, 2024.
120. One day sensitization outreach programme on prevention of outbreak of cholera at a major food market in Ibadan metropolis organized by American Chemical Society University of Ibadan International Student Chapter on 6<sup>th</sup> July, 2024.
121. **Oloyede G. K.** (2024): "Career in Chemistry and Professional Organisations" paper presented at 2024 ACS/SCSN Fresher's Welcome Programme, Student Chemical Society, University of Ibadan, Nigeria 12<sup>th</sup> July, 2024
- 122.

**CO-CURRICULAR ACTIVITIES:** - Reading and writing poems/short stories

**LANGUAGES SPOKEN:** Yoruba (Native), English (Advanced) and French (Beginner), Arabic (Reading Only)

### **RESEARCH FOCUS**

My research activities have focused on investigating and screening Nigerian medicinal plants of different families; including Amaryllidaceae, Malvaceae, Euphorbiaceae, Piperaceae, Simaroubaceae, Fabaceae, Amaranthaceae, Araceae, Bignoniaceae, Lamiaceae, and Piperaceae; with the hope of scientifically justifying their local use and to discover and develop novel intervention agents. The objectives include isolation of active secondary metabolites, extraction and characterisation of essential oils and synthesis. The plants that I investigated were chosen on the basis of their use in ethnomedicinal practices in Nigeria and the West African sub-region to treat various infections ranging from convulsion, microbial infections, hepatotoxicity and diseases relating to oxidative stress.



Essential oils have been reported to contain active constituents responsible for medicinal activities of some plants and were extracted and characterised. A number of bioactive essential oils have been discovered for the first time from some of these plants. Specifically, I have carried out *in vitro* and *in vivo* bioassay of various fractions of different parts of different plants, isolated in pure form compounds responsible for their bioactivities, determined the structures of a number of bioactive compounds by means of modern spectroscopic techniques and derivatized some of the isolated bioactive compounds. I have also synthesized some drugs based on structural activity relationship.

My research group has also synthesized novel Mannich bases of phenyl hydroxyl ketones and their ionization constants; the filaricidal, toxicity, antimicrobial and antioxidant activities were also evaluated. The bioactivity of these drugs showed that they can serve as useful intervention agents especially in this era of drug resistance. So far, the ethno-medicinal claims of the plants investigated have been justified and my research activities have led to isolation and structural determination of new natural products which are biologically active. Flavonoids, alkaloids and new derivatives of triterpenoids are some compounds reported from these studies. Also, the functional groups of the compounds isolated from the natural products could form the basis of chemical synthesis and can provide the nucleus of development of new drugs from the rich vegetations of Nigeria.

As a woman, a mother, researcher, scientist etc, I observed that career advancement and ultimately global impact is often a mirage or an achievement for most women. I therefore ventured in to research in gender especially youth participation and gender equality in Science, Technology, Engineering, Mathematics and Medicine (STEMM) as part of my research focus.

Prof Ganiyat K. Oloyede

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Date.....

## REFEREES

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