

CURRICULUM VITAE (SEPTEMBER 2026)

Funmilola Adebisi OLUWAFEMI

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PERSONAL DATA

Maiden Name: Adeleke

EDUCATION/ACADEMIC QUALIFICATION (Degrees, Institutions, Dates)

- 2024 PhD. Degree in Space Biochemistry from Federal University Oye-Ekiti, Km 3 Oye–Afao Road, P.M.B. 373, Oye-Ekiti, Nigeria (17 July 2018 to 26 June 2024). <https://fuoye.edu.ng/>
- 2011 MSc. Degree in Biochemistry (Membrane Biochemistry and Biotechnology) from University of Ibadan, Ibadan, Nigeria (7 January 2010 to 13 September 2011). <https://ui.edu.ng/>
- 2008 BSc. Degree in Biochemistry, Second Class (Hon.) Upper Division from Bowen University, P.M.B. 284, Iwo, Nigeria (19 October 2004 to 3 June 2008). <https://bowen.edu.ng/about-us/>
- 2004 West African Senior School Certificate (WASSC) (Science Class) from Federal Government Girls' College, P.M.B. 507, Ipetumodu, Nigeria (1 September 1998 to 1 June 2004). <https://registration.waecdirect.org/#>
- 1998 Primary Six Leaving Certificate from St. Clare's Catholic Nursery and Primary School, P.O. Box 191, Osogbo, Nigeria (8 September 1992 to 2 July 1998). <https://www.stclare.sch.ng/main/>

School Cumulative Grade Point Average (CGPA)/GRADE

- Distinction grade of 85% score in PhD thesis.
- CGPA for Bachelor's Degree is 4.21 on a 5.00 Scale.

EMPLOYMENT/WORK EXPERIENCE

1 January 2013 to Date

Space Agency of Nigeria: National Space Research and Development Agency (NASRDA), Obasanjo Space Centre, Km 17 Airport Road, 900246, P.M.B. 437, Garki, Abuja, Nigeria. <https://central.nasrda.gov.ng/>

- January 2025 to Date: **Chief Scientific Officer [CSO (Senior Executive/Management Staff)] – Principal Investigator/Leading Expert** of Microgravity Research, **Unit Head of the Space Biology Program (SBP)**, Space Life Sciences Division, Space Physical and Life Sciences Department, NASRDA.
Saddled with the responsibilities that encompasses leading and directing the scientific strategy; involved in research and development; collaborations and partnerships efforts; and involved in the intellectual properties in the Agency that is intricated by thinking with excellent communication and interpersonal skills; all in relation to space life sciences and bioastronautics.
- January 2022 – December 2024: **Assistant Chief Scientific Officer – Principal Investigator/Leading Expert** of Microgravity Research, Space Life Sciences Division, Space Physical and Life Sciences Department, NASRDA.
- January 2019 – December 2021: **Principal Scientific Officer – Astrobiology Unit Head** and Principal Investigator/Leading Expert of Microgravity Research, Space Life Sciences Division, Engineering and Space Systems (ESS) Department, NASRDA.
- January 2016 – December 2018: **Senior Scientific Officer – Principal Investigator/Leading Expert** of Microgravity Research, Space Life Sciences Division, Engineering and Space Systems (ESS) Department, NASRDA.
- January 2013 – December 2015: **Scientific Officer 1** – Carried out research in several fields of space biology, Space Physical and Life Sciences Division, Engineering and Space Systems (ESS) Department, NASRDA.

26 August, 2008 – 25 August, 2009

Graduate Assistant at the Department of Biochemistry, University of Jos, Bauchi Road, 930105, Jos, Nigeria. <https://www.unijos.edu.ng/>

2 July, 2007 – 28 September, 2007

Health Care Scientist/ Medical Laboratory Scientist at the Medical Laboratory, Onward Specialist Hospital, Agunbelew, 230103, Osogbo, Nigeria. <https://onwardsphospital.org/>

AWARDS: FELLOWSHIPS, SCHOLARSHIPS, PRIZES, HONOURS, DISTINCTIONS (ACCOMPLISHMENTS /ACHIEVEMENTS)

Fellowships, Scholarships and Prizes:

- 2026 International Training Award: Indian Technical and Economic Cooperation (ITEC) Training by the Government of India a Civilian Training Programme** on Climate Resilient and Disaster Risk Management (CRDRM), held at the Environment Protection Training and Research Institute (EPTRI), Hyderabad, Telangana, India, 5 -18 March, 2026.
- 2025 – 2017 United Nations International Conference Sponsorships (10):** Won awards for sponsorship to attend: **United Nations** Conferences/Workshops/Symposia/Fora in Vienna, **Austria** (2025, 2023 and 2019) sponsored by United Nations Office for Outer Space Affairs (UNOOSA); in Paris, **France** (2022) sponsored by UNOOSA; in Graz, **Austria** (2018) sponsored by UNOOSA; in Bonn, **Germany** (2018) sponsored by UNOOSA; in Islamabad, Pakistan (2018) sponsored by UNOOSA; in Dubai, **United Arabs Emirate** (UAE) (2017) sponsored by UNOOSA; International Centre for Theoretical Physics (ICTP) Conference in Trieste, **Italy** (2018 and 2017) sponsored by ICTP and UNESCO.
- 2022 Fellowship:** American Zonta International Amelia Earhart Fellowship for **Women in Aerospace, Zonta International Foundation**, Oak Brook, Illinois, United States; 2022-2023 academic year. Amelia Earhart Fellowships are awarded annually to women pursuing a PhD./doctoral degree conducting research applied to aerospace engineering or space sciences. It is a fellowship of thousands of US Dollars for tuition, books, fees, supplies, required equipment or living expenses useable at any university or college offering accredited post-graduate courses and degrees. Globally, women make up around 25 percent of the workforce in the aerospace industry. In an effort to carry out its mission that women have access to all resources and are represented in decision-making positions on an equal basis with men, Zonta International offers the Amelia Earhart Fellowship. Zonta International has the theme “Empowering Women through Service and Advocacy”. https://www.zonta.org/Web/News_Events/Articles/Introducing_2022_Amelia_Earhart_Fellows.aspx ; <https://freedomonline.com.ng/aviation-professionals-urge-girls-to-aspire-to-greatness/?amp=1> ; https://www.linkedin.com/posts/olufowora-fatima-oladipo-0273419b_zonta-lagos-1-celebrated-amelia-earhart-activity-7030539225242419200-1313?utm_source=share&utm_medium=member_android
- 2021 Post-Graduate Scholarship:** United Nations Educational Scientific and Cultural Organization – International Centre for Biotechnology (UNESCO-ICB), Nsukka, Nigeria. PhD Scholarship Award: The Maiden Edition awarded to students carrying out biotechnology related research and training in three thematic areas – food security, tropical diseases, and bioresources conservation. It is an award of hundreds of thousands of naira for one academic year towards tuition fee, accommodation, books and living expenses. UNESCO-ICB was established to carry out biotechnology related research and training in three thematic areas – food security, tropical diseases, and bioresources conservation, and as part of the centre’s human capital development program, annual scholarship are given to qualified students of tertiary institutions in Nigeria. <https://studygreen.info/unesco-icb-scholarships-for-nigerian-undergraduate-and-postgraduate-students/> <https://pinnaclereport.com.ng/apply-for-unesco-icb-scholarships-for-nigerian-undergraduate-and-postgraduate-students/>
- 2021 Fellowship:** African-German Network of Excellence in Science - Program Advocating Women in Science (AGNES-PAWS), Abomey-Calavi, Cotonou, Benin. I was nominated and selected for the grant for Junior Researchers. The grant is hundreds of Euro for research and/or publication support. It is supported by the German Federal Ministry of Education and Research (BMBF) and the Alexander von Humboldt (AvH) Foundation. <https://agnes-h.org/2021-call-for-nominations-agnes-grants-for-junior-researchers/>
- 2020 Research Travel Grant/Post-Graduate Scholarship (Visiting Research Fellow):** Winner of the Round 4 of the Climate, Food and Farming – Global Research Alliance on Agricultural Greenhouse Gases Development Scholarships (CLIFF-GRADS) program. The scholarship as grant is thousands of US Dollars to support living and research costs at the host institution including visas, travel, housing, meals, research materials and services etc., but not useable for tuition, fees, or unrelated personal costs. CLIFF-GRADS is a joint initiative of the Global Research Alliance on Agricultural Greenhouse Gases (GRA) and the Consultative Group on International Agricultural Research (CGIAR) Program on Climate Change, Agriculture and Food Security (CCAFS) low emissions development flagship. The scholarship is to research rumen microbiology, rice production, soil emissions, and pasture management, among other topics; funded by the New Zealand Government, the CGIAR Trust Fund and bilateral agreements in support of CCAFS. I was CLIFF-GRADS Visiting Research Fellow at the College of Agriculture, Hawassa University, Hawassa, Ethiopia, June to September, 2021 on “Application of Biochar and Co-Composted Biochar from Urban, Agricultural and Agro-Industrial Processing Organic Wastes: Promising Tool for Climate Smart Agriculture”. <https://ccaafs.cgiar.org/cliff-and-cliff-grads-fellows> ; https://www.linkedin.com/feed/update/urn:li:activity:7260259724976078849/?commentUrn=urn%3Ali%3Acomment%3A%28activity%3A7260259724976078849%2C7260363074753216512%29&dashCommentUrn=urn%3Ali%3Afsd_comment%3A%287260363074753216512%2Curn%3Ali%3Aactivity%3A7260259724976078849%29
- 2018 Publication Award:** Full sponsorship by International Astronautical Federation (IAF), Paris, France on the publication of “Special Issue” paper “Space Food and Nutrition in a Long Term Manned Mission” presented at International Astronautical Congress (IAC), Bremen, Germany, 2018; published in Springer Nature (Open Access) Journal: Advances in Astronautics Science and Technology, Volume 1, 1-21. <https://doi.org/10.1007/s42423-018-0016-2>. <https://link.springer.com/article/10.1007/s42423-018-0016-2>

- 2017 International Training Scholarship:** Full sponsorship by International Centre for Theoretical Physics (ICTP) to attend Career Development Workshop for **Women in Science**, ICTP, Trieste, Italy, 2017. ICTP is a flagship of United Nations Educational, Scientific and Cultural Organization (UNESCO). <https://indico.ictp.it/event/7995/> ; <https://www.ictp.it/home/supporting-gender-equality>
- 2015 Research and Teaching Award (Equipment Award):** Winner of **United Nations Human Space Technology Initiative** (UN-HSTI) “Zero-Gravity Instrument Project” (ZGIP) 3rd Cycle 2015 sponsored by UNOOSA (i.e. 13 Clinostat equipment that worth several thousands of US Dollars were distributed throughout the world and I won one as a collaboration for research and educational purposes). http://www.unoosa.org/res/oosadoc/data/documents/2016/aac_105/aac_1051108_0_html/53STSC-1108E.pdf (Page 13, Annex III, Number 10).
- 2009 Government Award:** Nigerian National Youth Service Corps (NYSC) Plateau State (Nigeria) [NYSC/PL/BWU/O8/405105], Jos North Chairman’s Commendation Award carrying out a Personal Community Development Studies (CDS) on “A Campaign against HIV/AIDS for commercial drivers”, at the National Union of Road Transport Workers (NURTW) Abuja Park, Jos, Nigeria. It involved creating awareness, counselling and testing for this group of high risk population. It is an award of thousands of Nigerian Naira (**National Voluntary Work/Community involvement**).

Honours and Distinctions:

- 2026 World Food Safety Day Planning Committee Member**, for Nigeria 7 June 2026. The World Food Safety Day is commemorated globally every year in June to raise awareness and promote actions that help prevent, detect, and manage food borne risks thereby contributing to food security, public health, and economic development.
- 2026 Nigerian National Food Safety Management Committee (NFSMC) Member**, set up by the Federal Ministry of Health and Social Welfare (FMHSW), Abuja, Nigeria for the Nigerian Government.
- 2026 Appreciation Award from Organization for Women in Science for the Developing World (OWSD)**, Faculty of Science, University of Lagos (UNILAG) Branch, Akoko, Lagos, Nigeria on the 2026 International Day of Women and Girls in Science for Speaking to their audience on the topic “**Strategies for Women to Advance to Leadership Positions in Science**” for the webinar themed “From Vision to Impact: Redefining STEM by Closing the Gender Gap” 11 February, 2026 at 1:00pm WAT. https://www.linkedin.com/feed/update/urn:li:activity:7426861147154399232?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0
- 2025 United Nations Space and Global Health (SGH) Network Member:** I was nominated and selected as a member of the “United Nations Space and Global Health (SGH) Network”. It is a team of highly relevant stakeholders and experts from the space and health communities, space agencies, governmental institutions, academia, non-governmental entities, and international organizations, including World Health Organization (WHO) and United Nations Office for Outer Space Affairs (UNOOSA). The Space and Global Health (SGH) Community aims to promote effective collaboration on space and global health issues, with a mission to advance policy for space technology and applications in global health; exploring how space technologies can tackle pressing global health challenges and boost healthcare delivery, especially in the underserved areas. The community is supported by the Geneva Digital Health Hub–University of Geneva (UNIGE) to connect space-enabled solutions with real-world global health priorities.

I am in the project team the “Space and Global Health (SGH) Curriculum International Taskforce” established by UNOOSA, to standardize education on how space technologies can tackle pressing global health challenges to boost healthcare-delivery. The team/project has mission to advance policy for space health, and we are currently developing the online course (Massive Open Online Course – MOOC) on Space and Global Health. Saddled with the development of module curriculums and course materials; contributing to the awareness and growth of space and global health education and practice amongst academics and organizations in the world. <https://community.implementome.org/members/35484742> ;

<https://www.linkedin.com/feed/update/urn:li:activity:7425507057883295745/> ; https://www.linkedin.com/posts/united-nations-office-for-outer-space-affairs_globalhealth-unoosa101-unoosa-activity-7296153142876934144-LeHx?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0

- 2025 AstraFemina Member:** AstraFemina is a USA based organization that is committed to inspiring today’s girls to become tomorrow’s STEM stars! It is a community of women in STEM making a powerful impact through outreach and visibility. AstraFemina partners with organizations that run STEM outreach programs for girls and young women. These programs are supported – both virtually and in person by connecting them with inspiring role models that are members of AstraFemina. www.astrafemina.org .
- 2025 Space Leader Award – Karman Pioneer 2025:** Recognized as one of the first 50 persons at the fore front in the World’s Space Sector, for the year 2025 by The Karman Project. One of the 35 Karman Pioneers for 2025; working with the 15 Karman Fellows 2025. These top 50 (Karman Fellows and Karman Pioneers) were shortlisted from 400+ applicants from 77 countries. From 2025 onwards, I will be interacting as part of The Karman Community; with opportunity to participate in multiple foundation activities each year, designed around dialogue, debate, thought leadership and trust building. <https://www.karmanproject.org/> ; <https://docs.google.com/spreadsheets/d/1e16uZxkE1svU00c36P6TSSHTbnuYDAqoHCrcrTi7m7Y/edit?gid=0#gid=0>
- 2025 Celebrated as one of the brilliant and resilient minds around the world** <https://heromagazines.com/meet-funmilola-oluwafemi-who-bagged-a-doctor-of-philosophy-in-biochemistry-with-a-distinction-at-federal-university-oye-ekiti-nigeria/> ; <https://www.facebook.com/share/192YiBRBUB/>

2024 to Date: Scientist with National Aeronautics and Space Administration (NASA) Open Science Data Repository (OSDR), NASA GeneLab Analysis Working Group (AWG) Community: I was nominated and selected to be a Scientist with NASA OSDR, GeneLab AWG. The NASA GeneLab is for open science for life in space. The OSDR contains multi-modal and multi-hierarchical fundamental space life science data (omics, phenotypic, physiological, behavioral, environmental telemetry; tabular, text, code, imaging, video; raw, processed) which is available for reuse toward basic science, applied science, and operational outcomes for space exploration and knowledge discovery. AWG members overall engage in two main activities connected to OSDR. One, members provide feedback on scientific standards for reuse (subject and assay metadata; processing pipelines; dataset formats and uniformed structures for machine-readability). Two, AWG members collaborate to mine-reuse OSDR data to conduct scientific analysis, which often leads to peer-reviewed publications. This is the 'forum-space' for OSDR AWG members to collaborate, find projects, chat with one another, ask questions, and post opportunities. There are 9 AWGs: AI/ML, ALSDA (Physiological/Phenotypic/Imaging/Behavioral), Animal, Female Repro, Human, Microbial, Multi-Omics, Plant, and RadLab. This community forum is supported through the Blue Marble Space Institute of Science (BMSIS) and is now a NASA Citizen Science Project. <https://awg.osdr.space/u/drfunmilolaoluwafemi/summary> ; <https://awg.osdr.space/t/how-to-be-involved-master-table-of-open-sub-group-projects/1233> ; <https://awg.osdr.space/t/appreciation-thread-for-gl-osdr-teams-and-the-awg/3279/41?u=drfunmilolaoluwafemi> ; <https://www.nasa.gov/osdr-working-groups-awg-about/>

2024 United Nations Training Crew Member: Nominated and selected to be part of the training crew for the Brazilian Space Agency course on Space Economy Masterclass. I was beaoned on by United Nations Office for Outer Space Affairs (UNOOSA) to get the trainees inspired by my expertise on Microgravity Experiment Supporting Food Security. I presented on the topic "Microgravity Application: An Avenue to Boost Plant Growth and Nutrient for Economic Prosperity" at the Session 5 tagged Space Applications for Sustainable Development. The presentation and indeed the socio-economic benefits from microgravity application cannot be over-emphasized. <https://www.unoosa.org/oosa/en/ourwork/topics/space-economy/space-economy-masterclass.html>

This 2-day training (26-27 September, 2024) for AEB staff is for expanding on the contents of the Brazilian Space Economy report prepared by UNOOSA and the Introduction to Space Economy e-Learning course to further broaden horizontal knowledge of the foundational concepts covered in these materials and develop enhanced capabilities for catalyzing and enabling the national space economy.

2024 to Date: National Assignment, Food and Feed Safety Expert for Federal Ministry of Health and Social Welfare (FMHSW) Nigeria, Member, Continuous Education and Research Technical Working Group (TWG) on Food and Feed Safety in Nigeria <https://punchng.com/fg-unveils-revised-national-policy-on-food-safety/>

In this National Assignment; I was included as the **National Program Monitoring and Implementation Coordinator** for the Voice of Women in the Development of Agriculture (VOWDA). The Federal Government of Nigeria unveiled the revised national policy on food safety with inauguration of four Technical Working Groups. If a food is not safe, then it is not a food!!! A food is not nutritious, if it is not safe!!!

Hence, TWGs were inaugurated on June 6, 2024, to support a robust consultative process for developing risk-based solutions that strengthen Nigeria's food safety and quality ecosystem and improve public health outcomes. Four Technical Working Groups were approved by the Coordinating Minister of Health and Social Welfare, to work with the Federal Ministry of Health and Social Welfare (FMHSW) in collaboration with the Nigerian Economic Summit Group (NESG), the Food and Agriculture Export Alliance (FAEA), the United States Department of Agriculture (USDA), the United States Agency for International Development (USAID), University of Missouri's Africa Food Safety Initiative (AFSI) and other partners in order to provide expertise and leadership to drive effective communication, capacity building and strategic partnerships among stakeholders, to ensure the overall sustainability, robustness and resilience of the food safety and quality system for implementation at the Federal and Sub-National levels. Also to strengthen and harmonize Nigeria's regulatory environment and risk-based food safety systems, while improving industry engagement in the national regulatory processes and compliance with international food and feed safety standards. The program on the Terms of Reference (ToR) presentation and the official lunch of the Technical Working Groups in commemoration of the 2024 International Food Safety Day was held at Exclusive Serene Hotel and Suites, Wuye District, Abuja, Nigeria on Thursday 6th June and Friday 7th June 2024.

2024: Appreciation by ScienceOverse as a Guest of "The ScienceOverse Expert Panel (TSEP)". TSEP is a YouTube Live series of podcasts, featuring esteemed industry experts from various scientific fields. Insights from experts are always captivating and enlightening; simplify intricate concepts while maintaining their depth of understanding; engage ScienceOverse audience, leaving them with a profound appreciation for the cosmos' remarkable journey. 3 November, 2024, 9:00pm IST. Topic presented: Space Life and Microgravity Research (Episode 3). <https://youtu.be/plIJojOd048> ; <https://www.linkedin.com/company/scienceoverse/>

2024 to Date: SciPinion Recognition an Expert in my field. To join the highly respected scientific community SciPinion to share insights and to pay it forward.

2022 to Date: The President and Founder of Funafo Innovations Promotion Foundation for Women and Youths; a Non-Governmental Organization (NGO), Abuja, Nigeria. Registration Number 187277. Funafo IP Foundation is saddled with finding opportunities for women and youths in education, research, and vocation rehabilitation in space life sciences, climate smart agriculture, and other emerging and innovative scientific researches; hence, promoting growth, STEM and sustainable development.

https://www.linkedin.com/posts/funafo-ip-foundation-for-women-and-youths_announcing-our-board-of-trustees-president-activity-7314965326914379776-SHG4?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0 ;

<https://www.linkedin.com/feed/update/urn:li:activity:7306306620907483136/> ; <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true>

- 2022 to Date: Local School Board (LSB) Member:** Voluntary service/Community involvement role to successfully run **Kingdom Heritage Model School (KHMS)**. KHMS is a nursery and primary school located at Federal Housing Authority (FHA), Lugbe, Abuja, Nigeria. https://www.linkedin.com/posts/dr-funmilola-oluwafemi-0026bb251_grassroots-impact-is-key-in-achieving-true-activity-7356536590149599232-iHH9?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0
- 2022 Best Researcher Award (Certificate of Excellence with ID No: 1224):** Received from the 1st Edition of International Research Excellence Best Paper Awards 2022 (**ScienceFather**) as a merit-based award on researcher's latest publication, quality of paper, novelty, and past performance. For the contribution and honourable achievement in innovative research. Conferred by international community, and sealed under the following international bodies: Scifax, Xime, PostFather, PayinMail, RecordMeet, Jutli and ScienceFather; Ministry of Corporate Affairs (MCA), Government of India. <https://youtu.be/sZ84pZLXOPU> (Podcast); https://bestpaperawards.com/award-registration/?gv_id=1224&mode=any
- 2022 Recognition by NASA - National Aeronautics and Space Administration to support Artemis lunar exploration program** to send the first women and the next men to the Moon and prepare for human missions to Mars. This recognition was given as a result of the support I gave as a Space Educator for "Session 13: Space Farming" on the topic "Farming in Microgravity and Reduced Gravity Environment" as an online Moon Camp organized by Ministry of Space Education, Antarexxa Space Global, 19 February, 2022.
- 2019 Rapporteur at United Nations (International) Conference:** Rapporteur of "The Benefits of Space for All Session" at the **United Nations/Austria, World Space Forum: 'Access to Space for All'**, Vienna International Centre (VIC), Vienna, Austria, 18-22 November, 2019. https://www.unoosa.org/documents/pdf/WSF/2019/Documents/Final_Programme.pdf ; <https://www.unoosa.org/oosa/en/ourwork/world-space-forum/2019/world-space-forum-2019.html>
- 2018 and 2017 Organizer of International Conference:** Organizing Team member (**Delegates Officer**) of the 2nd African-Space Generation Workshop (AF-SGW) of the Space Generation Advisory Council (SGAC), in support of the **United Nations Program on Space Applications**, United Nations Office for Outer Space Affairs (**UNOOSA**) with the theme "Launching Africa: Space Exploration, Innovation and Business" held at Rajiv Gandhi Science Centre (RGSC), Port-Louis, Mauritius, 17-18 December, 2018. https://spacegeneration.org/afsgw2018/afsgw_team
- 2017 Organizer of Local Conference (Local Organizing Committee-LOC Member):** Organizing Team member of the 1st National Workshop on Microgravity and Environmental Research, Centre for Atmospheric Research (CAR), National Space Research and Development Agency (NASRDA), Anyigba, Nigeria, 26-29 November, 2017. http://carnasrda.com/microgravity_workshop/
- 2017 Organizer of International Conference:** Organizing Team member (**Delegates Officer**) of the 1st African-Space Generation Workshop (AF-SGW) of the Space Generation Advisory Council (SGAC), in support of the United Nations Program on Space Applications, United Nations Office for Outer Space Affairs (**UNOOSA**) with the theme "Space: The Driver of the Desired Future in Africa" held at Centre for Space Research and Application (CESRA), Federal University of Technology Akure (FUTA), Akure, Nigeria, 16-17 November, 2017. <https://zumalo.com/epic/nigeria-hosts-1st-african-space-generation-workshop/>
- 2017 Moderator at United Nations (International) Conference:** Moderator of the "Capacity-Building and Information Dissemination Session" at the **United Nations/United Arab Emirates, High Level Forum "Space as a Driver for Socio-Economic Sustainable Development"**, Dubai, United Arab Emirates, 6-9 November, 2017. <https://www.unoosa.org/oosa/en/ourwork/hlf/2017/hlf-presentations.html>
- 2007 Institution/University Award:** Third price Award for 300 Level Students' Project of the Open Day, Chemistry/Biochemistry Department, Bowen University, Iwo, Nigeria (Production of Aspirin).
- 2005 – 2008 Institution/University Award:** Second Departmental Best Student (200 Level - 400 Level), Bowen University, Iwo, Nigeria.

MEMBERSHIP/FELLOWSHIP OF ACADEMIES OF SCIENCE (LEARNED SOCIETIES)

- 2026: Member, The Nigerian Young Academy (NYA).** Membership Number: NYA/2026230886/006 (2026-2031). NYA is a Nigerian national platform that brings together outstanding young scholars and professionals committed to advancing knowledge, innovation, and societal development through interdisciplinary collaboration and leadership excellence. <https://nigerianyungacademy.org/>
- 2025 to Date: The World Academy of Sciences Member (TWAS Member).** Selected as a TWAS Member through the TWAS Sub-Saharan Africa Regional Partner (TWAS-SAREP) Young Affiliate 2025. Hence, a member of TWAS Young Affiliate Network (TYAN) for 2025 to 2030.
TWAS Young Affiliate is the promise of a new generation. TWAS is a pioneering merit-based academy focused on scientific excellence and sustainable development. Each year, the Academy and its Regional Offices select up to 25 Young Affiliates based on their achievements (including having PhD and publications) before the age of 40 – and on their potential for future impact. The term last for 5 years. TWAS is for the advancement of science in the developing countries.
- 2019 – 2016: The New York Academy of Sciences (NYAS), New York, United States (Remote/ Virtual Role; International Voluntary Work) Membership.**
Key Position: Mentor to Teenage Girls in the "1000 Girls 1000 Futures" Program (2019 Weronika Woinska – Poland; 2017 Uwimbabazi Clelie Angele - Rwandan).

[https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&og=New+York+academy+of+science+200th+year+video+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQIRigATIHCAMQIRigATIHCAQQIRigATIHCAUQIRiPatlBCjIwMjE1ajBqMTW0aGtiwAgHxBQSLXXwvUSMD&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:4034652_vid:q-8em88QRig.st:0 \(video at 1:45\)](https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&og=New+York+academy+of+science+200th+year+video+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQIRigATIHCAMQIRigATIHCAQQIRigATIHCAUQIRiPatlBCjIwMjE1ajBqMTW0aGtiwAgHxBQSLXXwvUSMD&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:4034652_vid:q-8em88QRig.st:0 (video at 1:45))

NEWS MEDIA COVERAGES

- 2026 African Science Stars Magazine: Cover Story Author by Dr. Funmilola Oluwafemi,** Issue 12, Astrobiology Edition. African Science Stars is an initiative under the African Astronomical Society (AfAS). https://issuu.com/africansciencestars/docs/african_science_stars_issue_12 ; <https://africansciencestars.com/> ; <https://issuu.com/africansciencestars>
- 2026 Interview by Present in Space.** Present in Space is a digital magazine made to share the diversity of perspectives and ideas within the space sector. It is a collaborative inquiry into humans' presence beyond Earth. <https://www.presentinspace.com/earth-from-orbit/blog-post-title-one-8pcfm-6kfet-75atf> ; <https://www.presentinspace.com/earth-from-orbit>
- 2025 The Hero Magazine: Dr. Funmilola Oluwafemi Celebrated as one of the brilliant and resilient minds (trailblazer) around the world.** Meet Funmilola Oluwafemi who bagged a Doctor of Philosophy in Biochemistry with a Distinction at Federal University Oye-Ekiti, Nigeria. <https://share.google/xsRd6PJbGQGr2Xobb> ; <https://heromagazines.com/meet-funmilola-oluwafemi-who-bagged-a-doctor-of-philosophy-in-biochemistry-with-a-distinction-at-federal-university-oye-ekiti-nigeria/> <https://www.facebook.com/share/192YiBRBUB/>
- 2023 Freedom Online: Aviation Professionals Urge Girls to Aspire to Greatness.** Funmilola Oluwafemi, a Space Bio-Scientist, was presented with a certificate of Zonta International Fellow 2022 at the event. <https://freedomonline.com.ng/aviation-professionals-urge-girls-to-aspire-to-greatness/?amp=1>
- 2022 An Interview by Universe – Titan Disruptive Innovation Center [Swiss Institute for Disruptive Innovation (SIDI)]. What about Astronauts Mental Health?** <https://universe.wiki/2022/06/28/what-about-astronauts-mental-health-a-talk-with-funmilola-oluwafemi>
- 2020 ROOM Space Journal of Asgardia: Investigations into Plant Growth on the Moon.** Issue #2(24), Summer 2020, Science, Pg. 72-75. Asgardia Independent Research Center GmbH, Stubenring 2/8-9, 1010, Vienna, Austria. Published by Buxton Press, UK. ISSN 2412-4311. <https://room.eu.com/article/investigations-into-plant-growth-on-the-moon> ; <https://room.eu.com/contributors/Funmilola-Oluwafemi>

RESEARCH EXPERIENCE

Multi-disciplinary/ Pluri-disciplinary Research Approach (2015 to Date)

- Isolated, Confined and Extreme (ICE) Environment/ space environment/ bioastronautics
- Biochemistry/ biological sciences
- Agriculture/ space farming/ space food and nutrition
- Food and feed safety/ biosafety/ biosecurity
- Ecosystem preservation/sustainability: Agricultural Greenhouse Gas (GHG) Research/ Climate Smart Agriculture (CSA)/ microplastics/ water resource management and protection
- Clinical/ medical/ health care

1. General Scientific Research (2013 to Date)

- Setting up yearly objectives for research and development that aligns with the organizational strategic objectives; assisting the Scientists in the Department to achieve their research objectives; supervising the conducted experiments of the research team I lead; representing the organization in external events in or outside the country when possible; attending conferences/ workshops/ symposia/ fora to show case research done, and for increasing knowledge; identifying potential collaborating and partnering systems to increase horizon, exchange ideas and to broaden scientific perspective; communicating with local and international agencies as regards related research and projects; capable of independent (personal) and team research; and capable of practical field and laboratory work. Hence, capable of project formulation, implementation and evaluation.
- Perform cutting-edge scientific experiments; carry out physicochemical analysis; create data-sets of experimental-results in physical, morphological, physiological and biochemical characterization with experience in the interpretation/analysis of data collected using appropriate/relevant statistical method such as Analysis of Variance (ANOVA) and Duncan's Multiple Range Test (DMRT); reports and content writing (e.g. program report); scientific articles writing; educating students and interns; capacity building for new staff of the department; implementation and management of projects; responsible for monitoring and managing staff in my project team; and ensuring project priority need gaps are addressed, by compliance and integrity, appropriating funds/finance (budgeting) wisely.

2. Food and Nutrition Biochemistry Research (2023 to Date)

- Carrying out cutting-edge research for bio-fortification (to enhance food and nutrition) leading to food security and sustainability. This is determined via biochemical characterizations such as proximate analysis, antioxidant potentials etc.
- Using proximate analysis (nutritional crude analysis) and ultimate analysis via Enzyme-Linked Immunosorbent Assay (ELISA) to determine the nutritional composition [macronutrients (crude protein, crude fat (lipids), crude fibre, carbohydrate, ash content, moisture content)] and chemical composition [micronutrients (minerals, elements, metals)] respectively of food. Vitamins are also micronutrients. Capable of minerals analysis [via Atomic Absorption Spectrophotometry (AAS)] and using colorimetric and high precisions instrumentation of Gas Chromatography coupled Pulsed Flame Photometric Detector (GC-PFPD), High Performance Liquid Chromatography coupled with Refractive Index Detector (HPLC-RID), High Performance Liquid Chromatography Ultra-Violet detector (HPLC-UV) and Gas Chromatography with Flame Ionization Detection (GC-FID) for the determination of the amino acids, sugars, vitamins and fatty acids profiles respectively. Also the use of amino acids analyzer for amino acids determination cannot be under-emphasized.
- Ability to determine antioxidant potentials of food products by protecting cell damage of free radicals known as oxidative stress [via qualitative and quantitative phytochemical classification; the scavenging activities of the phytochemicals on free radicals using 2,2-diphenylpicrylhydrazyl (DPPH), Fluorescence Recovery After Photobleaching (FRAP), 2,2-azinobis-(3- ethylbenzothiazoline-6-sulfonic acid) (ABTS) methods etc.; and carrying out antioxidant enzyme assays on food products of enzymes polyphenol oxidase (PPO), peroxidase (POD) and catalase (CAT) etc., with the ability to determine enzymatic browning of PPO; hence accessing the shelf-life (plant physiology). Since PPO and POD are enzymes that have been linked to be responsible for post-harvest fruit/vegetables spoilage, deterioration, perishability or reduced shelf-life.

3. Plant Biochemistry Research (2013 to Date)

- Carrying out certain agricultural experiments to improve nutritional value (increase quality of products portfolio) and enhance yield via the evaluation of the performance of plant varieties grown under different gravity variation set-ups useful for environmental sustainability that leads to sustainable agricultural practices.
- Ability to stress experimental samples with abiotic (chemical) and biotic stresses; such as high salinity (sodium chloride) and high heavy metal (lead(II)nitrate). To decrease food insecurity, the need to produce more food while reducing the impact on the environment and ecosystem is key. Hence, the ability of new food products to withstand or resist environmental stresses needs to be checked over the conventional (control) plants.
- Ability to determine the activities of enzymes associated with root germination (alpha-amylase, lipase etc.) and elongation (beta-glucanase etc.); hence accessing the plants physiology.

4. Climate Smart Agriculture (CSA) Research (2021 to Date)

- Research on Climate, Food and Farming – Agricultural Greenhouse Gases Low Emissions Development. Investigation on soil science by making soil climate smart competent through influencing soil organic carbon sequestration and carbon dioxide (CO₂) emissions for soil health [soil amendment and sequestration of greenhouse gas (GHG)]. Visiting Research Fellow at the College of Agriculture, Hawassa University, Hawassa, Ethiopia, June to September, 2021 on “Application of Biochar and Co-Composted Biochar from Urban, Agricultural and Agro-Industrial Processing Organic Wastes: Promising Tool for Climate Smart Agriculture”. I have practical field experience (knowledge) in the cultivation and monitoring of plants during different developmental vegetative stages for the collection of plant phenotypic appearances (qualitative) and the biometric data (quantitative) via the determination of plant growth-parameters, morphological-parameters, physiological-parameters, biochemical-parameters and the root anatomical-parameters. The growth-parameters are plant height, leaf number, leaf-area, root number, root length, seed yield and dry matter accumulation. For the legume, nodule number/count, nodule fresh weight, nodule size, and pod number are determinable. The net photosynthetic rate, stomata conductance, water use efficiency, stomata number, stomata size (stomata number and size are determined using stomata printing), transpiration rate, leaf water content, chlorophyll fluorescence and chlorophyll content are the physiological parameters. Also, some root anatomical analyses such as xylem number through the Transmission Electron Microscope (TEM) are determinable; while the Scanning Electron Microscopy (SEM) produces the real life images of the plant part. <https://library.faraafrica.org/2023/04/27/climate-change-mitigation-a-case-study-of-soil-biochar-influence-on-morpho-physiology-of-crop-species-and-genotypes/>

5. Food and Feed Safety/ Biosafety/ Biosecurity (2024 to Date)

Each of these areas requires specific measures, protocols, and regulations to ensure the safety of humans, animals, and the environment.

- Food safety: I am one of the experts in the team as a member of the Technical Working Groups (TWGs) on Food and Feed Safety in Nigeria; ensuring the practices and measures taken to make sure that food is safe for human and animals consumption in Nigeria; National assignment to research and strategize to educate citizens to ensure food and feeds are free from contaminants, pathogens, and other hazards that can cause foodborne illnesses. This spans through the value chain [farm (production) to processing, storage, distribution/transportation, marketing and consumption]. Hence, am a member of the Technical Working Groups (TWGs) that support a robust consultative process for developing risk-based solutions that strengthen Nigeria’s food safety and quality ecosystem to improve public health outcomes. Also, am a selected expert for Nigerian policy formulation/competence development and indirect

regulation of food safety. Selected to attend the African Union food safety and regulation stakeholders (management/committee) engagement meeting (fact finding workshop).

- Biosafety: focusing on spaceflight and astronautical hygiene as specific application of biosafety principles in the context of space exploration to prevent accidental exposure/release of biological agents (biological risk assessment) through personal hygiene, waste management (decontamination and waste handling), microbial control etc. This has on-earth applications.
- Biosecurity: focusing on preventing intentional misuse or theft of biological agents. In space exploration, I prioritize biosecurity to prevent contamination of the spacecraft, crew, and Earth's biosphere from potential biological contaminants; mitigate risks by minimizing the risk of introducing harmful microorganisms to other planets or celestial bodies; and ensuring crew safety by protecting astronauts from potential biological hazards during space travel.

6. Research on Isolated, Confined and Extreme (ICE) Environments such as Microgravity [Space Life Sciences, Bioastronautics] (2013 to Date)

- Spaceflight microgravity experiments are rear and costly; using equipment such as clinostat or Random Positioning Machine (RPM) to reduce or almost eliminate gravity is now made possible, enhancing microgravity research on Earth. When gravity is removed or reduced, it allows significant changes in the chosen specimen such as biological organisms, macromolecules, fluids or materials. These changes usually lead to discoveries of social-economic advantages. Products from microgravity-environments have significant properties that most of the time are outstanding to the best Earth's counterparts. Plants researched under microgravity do have better: adaptation to harsh conditions; product yields and higher nutritional qualities that facilitate marketing.
- Study of the effects of simulated microgravity on plants, as a solution to space food and nutrition and its application (spin-off) in several sectors, especially agricultural sector by using clinostat as the microgravity simulator, and obtaining results by measuring observatory differences of growth-parameters, and afterwards physiological-parameters, biochemical-parameters (biochemical characterizations) and the root anatomy of plants samples as may be required on samples under simulated microgravity, and comparing to those samples under normal Earth's gravity. Analysis of the imagery data for growth parameters is done using ImageJ software, and comparison will be drawn out on the two samples.
- Study of the effects of space environment (weightlessness): on human/animal physiology and psychosocial; whose effects on cardiovascular and musculo-skeletal systems could be negated by balanced space nutrition and exercise.
- Space exploration: Research on effects of microgravity and radiation on human body; and Environmental Control and Life Support System (ECLSS) of Mars, Moon and Venus as manned space mission to Mars is in a decade; and manned space mission to the Moon can serve as a preparatory place to the Mars (deep space).
- Research on the new approach to "Life Support System" of "Martian Spacesuit Design and Safety" as it is a novel spacesuit.
- Research on spaceflight hygiene and astronautical hygiene.

7. Satellite Data Application (2024 to Date)

- The application of Earth Observation (EO) satellite data for various benefits. These data include imagery (optical, infrared, radar), atmospheric measurements (humidity, temperature, pollution), land cover/land use mapping, oceanic parameters (sea surface temperatures, sea level, currents), and data related to natural disasters such as wildfires, floods and hurricanes.
- The application of the data derived from navigation satellite are used to describe objects, events or other features with a location on the Earth or near the Earth surface. Hence, the application of geospatial data derived from Global Navigation Satellite Systems (GNSS) are able to allow access to solution to challenges that are environmental, water resource management (e.g. water bodies pollution), climate-change, for economic growth, for social equality etc. These derived data are crucial to aviation, transportation, education, meteorology/oceanography, research and development, communication, space/atmospheric monitoring (weather forecast), medical advances (healthcare), food-security and precision-agriculture, security and human-right protection, sustainable and modern-energy, disaster-management, infrastructure etc.

8. Water Research (2018 to Date)

- Ecosystem preservation/sustainability: Research using space technologies to combat plastic and micro-plastic pollution (menace) in the water bodies – protecting water resources for environmental sustainability.
- Research using space technologies for water management and protection both for the agricultural sector and water sector (water use), especially for the developing nations/countries whether the country is space faring or not.
- Water researches including surface water, ground water, alternative water resources (desalination, wastewater, other non-traditional water sources) and, water management and protection.

9. Research on Membrane Biochemistry and Biotechnology (2007 to 2011)

- Isolation of mitochondria from animal cells, especially liver mitochondrion cells for the modulation of the mitochondrial membrane permeability transition pore (MMPTP) of the cells to certain extracts of the Root Bark of *Plumbago Zeylanica* (M.Sc Research) to cause apoptosis (cell death) to cancerous cells.
- The *in vivo* effects of artesunate on rat liver mitochondrial membrane permeability transition pore (undergraduate project work).

10. Healthcare System and Medical Laboratory Science (2007 to Date)

- Application of space technologies as digital healthcare technologies (like telemedicine/telehealth, remote counseling etc.) to improve medical care and as a remedy for diseases.

- Examination of patients using specific medical laboratory equipment (e.g. to determine blood genotype); analyzing and the examination of report results to diagnose diseases properly and to recommend treatments or further tests; consultation with superior hospital officers about patient cases to be able to find the best care plan and procedure; conducting and reporting emergency situations; training junior (trainees) to best conduct laboratory analyses.
- Excellent knowledge of health care systems and safety regulations: by conducting research and analyzing results, pinpointing health issues, formulating opinions, deducing conclusions and recommendations to move the health care systems forward; in all, contributing to global health care system.

11. Clinical Biochemistry Laboratory Science (2006)

- Carried out analysis on hematology, parasitology and clinical biochemistry/chemical pathological analysis.
- Experience in storage of chemicals, samples preservations and reagent preparation.
- Interpretation of results and biomedical implications of each test.

12. Post-Graduate and Undergraduate Project Work/Dissertations/Thesis

- PhD Thesis: Effects of Simulated Microgravity on Morphological Roots and Shoots Developments and Biochemical Characterization of Three Selected Economic Crops.
- MSc. Dissertation: Modulation of Mitochondrial Membrane Permeability Transition Pore and Male Reproductive Fertility in Rats by Certain Extracts of the Root Bark of *Plumbago Zeylanica*.
- BSc. Final Year Project: The *in vivo* Effect of Artesunate on Rat Liver Mitochondrial Membrane Permeability Transition Pore.

TEACHING EXPERIENCE

1. United Nations Space and Global Health (SGH) Curriculum Taskforce Team Member for online course (MOOC) (2025 to Date)

- UNOOSA Space and Global Health Curriculum Taskforce team developed the online course (Massive Open Online Course – MOOC) on Space and Global Health. Developed the module curriculums and course materials. <https://community.implementome.org/members/3548474> ; <https://www.linkedin.com/feed/update/urn:li:activity:7425507057883295745/> ; https://www.linkedin.com/posts/united-nations-office-for-outer-space-affairs_globalhealth-unoosa101-unoosa-activity-7296153142876934144-LeHx?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0

2. Grading/ Students Assessments for National Open University (NOUN), University Village, Nnamdi Azikiwe Express Way, Jabi, Abuja (2025 to Date)

- Faculty of Science, Department of Biological Sciences, Biology scripts (Bio 301, 304, 309, 310, 316, 318, 320) <https://nou.edu.ng/#>

3. Blogging (2023 to Date; International Voluntary Work)

- Blogging mechanism to teach bio-science topics in simple terms. <https://spaceandlifematterswithfunmilola.blogspot.com/?m=0>

4. Local School Board (LSB) Member (2022 to Date; Voluntary Work/Community Involvement)

- Successfully running of Kingdom Heritage Model School (KHMS), as a member of the Local School Board (LSB). KHMS is a nursery and primary school, Federal Housing Authority (FHA), Lugbe, Abuja, Nigeria.

5. Collaboration with United Nations (Space Science Communication and Promotion, 2015 to 2017; International Voluntary Work)

- Have research and educational collaboration with United Nations Office for Outer Space Affairs (UNOOSA) on the Zero-Gravity Instrument Project (ZGIP) of the Human Space Technology Initiative (HSTI) by teaching interns, students on excursion, colleagues etc. on microgravity science using the simulated microgravity equipment called clinostat donated by UNOOSA and researching with the equipment sending results to United Nations. http://www.unoosa.org/res/oosadoc/data/documents/2016/aac_105/aac_1051108_0_html/53STSC-1108E.pdf

6. Outreach Programs (2015 to Date)

- AstraFemina Member (2025 to date); an organization based in the USA that is committed to inspiring today's girls to become tomorrow's STEM stars! It is a community of women in STEM making a powerful impact through outreach and visibility. AstraFemina partners with organizations that run STEM outreach programs for girls and young women. These programs are supported – both virtually and in person by connecting them with inspiring role models that are members of AstraFemina. www.astrafemina.org .
- Educational activities to high schools and primary schools to encourage career in Science Technology Engineering and Mathematics (STEM).

7. Teaching on Basic Space Science and Astronomy (2015 to Date)

- Having capacity building for staff on microgravity science and its applications, and teaching interns and students on excursion basic space science at National Space Research and Development Agency (NASRDA), Abuja, Nigeria.

8. Teaching on how to publish both research and review papers (2015 to Date)

- Teaching interns, students on excursion and staff at NASRDA how to write scientific manuscript and the procedures to make successful publications.

9. The New York Academy of Sciences (NYAS), New York, United States (2016 to 2019; International Voluntary Work)

- Teaching and guiding teenage girls in the 1000 Girls 1000 Futures program on how to have a career in STEM and space science. <https://www.nyas.org/news-articles/academy-news/stories-of-inspiration-innovation-collaboration/> ; <https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&oq=New+York+academy+of+science+2>

10. Graduate Assistantship (Research Assistantship and Teaching Assistantship) at University of Jos, Nigeria [2008 to 2009; as a National Voluntary Work/Community Involvement: National Youth Service Corps (NYSC), Nigeria; NYSC/PL/BWU/O8/405105]

and leadership to drive effective communication, capacity building and strategic partnerships among stakeholders, to ensure the overall sustainability, robustness and resilience of the food safety and quality system for implementation at the Federal and Sub-National levels. Also to strengthen and harmonize Nigeria's regulatory environment and risk-based food safety systems, while improving industry engagement in the national regulatory processes and compliance with international food and feed safety standards. The program on the Terms of Reference (ToR) presentation and the official lunch of the Technical Working Groups in commemoration of the 2024 International Food Safety Day was held at Exclusive Serene Hotel and Suites, Wuye District, Abuja, Nigeria on Thursday 6th June and Friday 7th June 2024. <https://nigeria.spsafricaexperts.com/>

Food Safety and Regulation Stakeholders Engagement. EU-AU Partnership for–Resilient, Inclusive and Safe-food System for Everyone (UP–RISE). UP–RISE is a project of African Union Development Agency-New Partnership for Africa's Development (AUDA-NEPAD). Project contributes to improving public health. Nigeria's focus is on fermented food (e.g. kunun zaki) value chains, vulnerable to mycotoxin.

Theme: Country situational analysis (SITAN) to inform development of food safety/mycotoxin regulatory model for informal and formal food sectors in five AU Member States – Nigeria, Benin, Cote d'Ivoire, Kenya, South Africa. Objectives: UP-RISE will contribute to improving and strengthening African Food Safety System focusing on value chains of fermented foods with high economic relevance and/or nutritional importance in local diet, prone to mycotoxin contamination, thus compromising food safety and contributing to long-term adverse human health impacts in Africa.

Experts and Stakeholders in Food Security: Empowered as an agriculture extension worker through the CropWatch Platform using the CropWatch Innovative Cooperation Programme (ICP) enabled agricultural monitoring and stabilizing food productivity. The Global Agricultural Conditions Remote Sensing Early Report System (CropWatch) Innovative Cooperation Programme (CropWatch ICP), is a UN-backed initiative that utilizes satellite technology to monitor crop growth and agricultural conditions in developing countries. It aims to enhance food security and support the Sustainable Development Goals (SDGs) by providing data-driven insights for agricultural monitoring, offering early warnings and facilitating informed decision-making for agricultural stakeholders; helping governments, researchers, and farmers make informed decisions about agricultural practices and resource allocation.

CropWatch is the world's leading agricultural monitoring system developed in China. CropWatch was launched by United Nations Conference on Trade and Development (UNCTAD), Alliance of International Science Organizations (ANSO) and Aerospace Information Research Institute Chinese Academy of Science (AIRCAS). It focuses on building capacity in developing countries to utilize the CropWatch system for agricultural monitoring. CropWatch offers a cloud-based platform that provides access to remote sensing-based agricultural monitoring information to evaluate crop growth, yield and related information at national and global scales. It is a system that uses satellite data to monitor crop conditions and integrates this with other climate-related data to produce near accurate, reliable, and timely information for appropriate decision making to improve crop yield. The ICP includes training workshops and online courses to equip personnel in developing countries with the skills to use the CropWatch system effectively.

6. CLIFF-GRADS Visiting Research Fellowship to (June 2022 to Sept. 2022)

Winner of the Round 4 of the Climate, Food and Farming – Global Research Alliance on Agricultural Greenhouse Gases Development Scholarships (CLIFF-GRADS) program. CLIFF-GRADS is a joint initiative of the Global Research Alliance on Agricultural Greenhouse Gases (GRA) and the Consultative Group on International Agricultural Research (CGIAR) Program on Climate Change, Agriculture and Food Security (CCAFS) low emissions development flagship. The scholarship is to research rumen microbiology, rice production, soil emissions, and pasture management, among other topics; funded by the New Zealand Government, the CGIAR Trust Fund and bilateral agreements in support of CCAFS. The grant is thousands of US Dollars to support living and research costs at the host institution including visas, travel, housing, meals, research materials and services etc. CLIFF-GRADS Visiting Research Fellow at the College of Agriculture, Hawassa University, Hawassa, Ethiopia, June to September, 2021 on “Application of Biochar and Co-Composted Biochar from Urban, Agricultural and Agro-Industrial Processing Organic Wastes: Promising Tool for Climate Smart Agriculture”. <https://ccafs.cgiar.org/cliff-and-cliff-grads-fellows>.

7. Collaboration with United Nations (Space Science Communication and Promotion; International Project 2015-2017)

Have research and educational collaboration with United Nations Office for Outer Space Affairs (UNOOSA) on the Zero-Gravity Instrument Project (ZGIP) of the Human Space Technology Initiative (HSTI) by teaching interns, students on excursion, colleagues etc. on microgravity science using the simulated microgravity equipment called clinostat donated by UNOOSA and researching with the equipment sending results to United Nations. http://www.unoosa.org/res/oosadoc/data/documents/2016/aac_105/aac_1051108_0.html/53STSC-1108E.pdf

PROFESSIONAL CERTIFICATIONS (LICENCES/REGISTRATIONS)

- 2026 **Climate Resilient and Disaster Risk Management (CRDRM), by Indian Technical and Economic Cooperation (ITEC) Training – a Civilian Training Programme by the Government of India held** at the Environment Protection Training and Research Institute (EPTRI), Hyderabad, Telangana, India, 5 -18 March, 2026.
- 2026 **NASA TOPS-T ScienceCore Artificial Intelligence/Machine Learning (AI/ML) in Space Biology Training** with certificate Universally Unique Identifier (UUID) No.: e80bb2f9-979a-4d97-92a0-2de9b94514ad by National Aeronautics and Space

- Administration (NASA), USA. Issued Date: 12 January, 2026. Course involved learning the basics of data analysis and machine learning in the context of space biology research. <https://credsverse.com/credentials/e80bb2f9-979a-4d97-92a0-2de9b94514ad> It focused on open science, bioinformatics, and machine learning applications in space biology. Gained hands-on experience using Google Colab and Python to analyze biological datasets. Practiced building basic models for clustering, regression, and classification. Applied bioinformatics tools and explainable AI techniques to interpret research findings. Had strengthened skills in data visualization, open science practices, and biological dataset management relevant to space biology.
- 2025 **Nature-based Solutions (NbS) for Disaster and Climate Resilience** by United Nations Environment Programme (UNEP) and the Partnership for Environment and Disaster Risk Reduction (PEDRR) with support from the European Union, in collaboration with the SDG Academy. Issued Date: 30 September, 2025. <https://www.unep.org/gan/resources/toolkits-manuals-and-guides/massive-open-online-course-nature-based-solutions-disaster> ; <https://pedrr.org/mooc/>
- 2022 **President and Founder of Funafo Innovations Promotion Foundation for Women and Youths (NGO)** with Registration No: 187277 by The Registrar-General of Corporate Affairs Commission (CAC), Federal Republic of Nigeria. Issued Date: 5 September, 2022. <https://b2bhint.com/en/company/ng/funafo-innovations-promotion-foundation-for-women-and-youths--IT-187277> , <https://funafoundation.com/> , <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true>
- 2022 **Basic Course in Child Evangelism** by Children Evangelism Ministry (CEM) International, Nigeria. Issued Date: 18 September, 2022. <https://childrenevangelismministry.org/>
- 2021 **Geospatial Applications for Disaster Risk Management** with Enrolment No.: IIRS2021531981 by United Nations Office for Outer Space Affairs (UNOOSA) and Centre for Space Science and Technology Education for Asia and the Pacific. Issued Date: 8 July, 2021. <https://www.preventionweb.net/news/mooc-geospatial-applications-disaster-risk-management> ; https://www.unoosa.org/documents/pdf/psa/activities/2021/UNAustria2021/DAY3/MOOC_summary_-_UNOOSA_and_CSSTEAP.pdf
- 2020 Elected into **Professional Science Academy**: “Quarterly Franklin Membership” (ID#TK61137 and #AP15860) as a Council of Franklin Members of London Journals Press, United Kingdom; an internationally acclaimed publication organization and an accreditation authority for research standards, following the Committee on Publication Ethics (COPE) and Research Councils United Kingdom (RCUK) standards.
- 2017 **AuthorAID Research Communication** with Verification code: NnxF5Wx8Y by AuthorAID INASP, 3 October - 20 November, 2017. Issued Date: 8 December, 2017. <https://www.authoraid.info/en/news/details/1231/>
- 2017 **Understanding Human Rights** by Young African Leaders Initiative (YALI) Network. Issued Date: 10 March 2017. <https://yali.state.gov/courses/course-412/#/>
- 2012 **Leadership Diploma Course (LDC)** with Registration No. LDC/AUG/2012/012 by Living Faith Church, Abuja, Nigeria, 13-24 August, 2012. Issued Date: 24 August, 2012. <https://winnerschapelsurrey.org/ministries/wofbi/>
- 2012 **Leadership Certificate Course (LCC)** with Registration No. LCC/MAY/12/0005 by Living Faith Church, Abuja, Nigeria, 14-25 May, 2012. Issued Date: 25 May, 2012. <https://winnerschapelsurrey.org/ministries/wofbi/>
- 2012 **Basic Certificate Course (BCC)** with Registration No. BCC/MAR12/0033 by Living Faith Church, Abuja, Nigeria, 19-29 March, 2012. Issued Date: 29 March, 2012. <https://winnerschapelsurrey.org/ministries/wofbi/>
- 2009 **Anti-Corruption Community Development Service (CDS)** with Number PL/08B/1346 by National Youth Service Corps (NYSC), Plateau State 2008 Batch B. Issued Date: 25 August, 2009.
- 2008 **Job Creation and Awareness** by IEC Career Training Network, IEC Career Investment Ltd., Jos, Nigeria. Issued Date: 1 September, 2008. https://gust.com/companies/iec_career_investment_coy_ltd

PROFESSIONAL BODIES / AFFILIATIONS

- 2025: **AstraFemina Member**: AstraFemina is a USA based organization that is committed to inspiring today’s girls to become tomorrow’s STEM stars! It is a community of women in STEM making a powerful impact through outreach and visibility. AstraFemina partners with organizations that run STEM outreach programs for girls and young women. These programs are supported – both virtually and in person by connecting them with inspiring role models that are members of AstraFemina. www.astrafemina.org .
- 2024 to Date: **Scientist with NASA Open Science Data Repository (OSDR), NASA GeneLab Analysis Working Group (AWG) Community**. <https://www.nasa.gov/osdr-working-groups-awg-about/> ; <https://awg.osdr.space/t/how-to-be-involved-master-table-of-open-sub-group-projects/1233>
- 2024 to Date: **Scientific Advisor for NGO**: Scientific Advisor for CellClar CIC, London, UK. CellClar CIC provides researchers with tools needed to transform healthcare, breaking-barriers, and making innovation accessible to all. https://www.linkedin.com/posts/cellclar_from-microgravity-to-science-policy-funmilola-activity-7359916369888354304-Y2NW?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0
- 2024 to Date: **SciPinion Expert Community Member**. SciPinion is a network of experts with a goal to combat uncertainty by combining the knowledge of the world's most eminent experts and making their knowledge available to the public, businesses, and governments. <https://scipinion.com/about/>

- 2023 to Date: **Member Zonta Club** of Abuja: District 18, Area 3, **Building a better world for women and girls.** <https://converseer.com/aviation-professionals-urge-girls-to-aspire-to-greatness/> ; www.zontasaysno.com ; www.zonta.org
- 2023: **Team Leader/Researcher** of International Centre for Astronautical Development (ICAD) with the theme “Developing an Interplanetary Species” has three core pillars: to perform of high-quality scientific research in the field of space medicine; to offer mentorship opportunities; and to perform space outreach. (16 February to 30 October) <https://www.astronauticalcentre.com/our-team>
- 2022 to Date: **The President and Founder** of Funafo Innovations Promotion **Foundation** for Women and Youths; a Non-Governmental Organization (NGO), Abuja, Nigeria with Registration Number 187277. <https://b2bhint.com/en/company/ng/funafo-innovations-promotion-foundation-for-women-and-youths--IT-187277> ; <https://funafofoundation.com/> , <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true>
- 2022 to Date: **Local School Board (LSB) Member:** Voluntary service/Community involvement role to successfully run **Kingdom Heritage Model School (KHMS)**. KHMS is a nursery and primary school located at Federal Housing Authority (FHA), Lugbe, Abuja, Nigeria. <https://ecfclcw.org/khmsclusters.php>
- 2022 to Date: **Member** of “Voice of Women in the Development of Agriculture (VOWDA)”, Akure, Nigeria; 11 June, 2022. “**Women feeding the world**”. www.vowda.org
- Key Position: National Program Monitoring and Implementation Coordinator** (2024)
VOWDA is a gender responsive NGO saddled with the bridging of the gap between female agricultural scientists and small holder female farmers (female peasant farmers) for improved food production, food safety and security in Nigeria and Africa entity.
- 2022 to 2023: **Tod'Aers Global Network (TGN)**, 07 BP 13117 Rue Mercure, Lome, Region Maritime (Togo) (Remote/ Virtual Role; International Voluntary Work).
Key Position: Senior Advisor (2023) – Global Operations and Partnerships; **Project Advisor** (2022).
TGN is a global public-private partnerships (PPP) establishment with a vision to support global sustainable development, technological innovation, and socio-economic progress worldwide. <https://todaers.yolasite.com>.
- 2016: **Member** of the “Young African Leaders Initiative (YALI Network)”. <https://yali.state.gov/courses/course-412/#/>
- 2015 to 2020: **Space Generation Advisory Council (SGAC)** (Remote/ Virtual Role; International Voluntary Work).
In Support of the United Nations Program of Space Applications, United Nations Office for Outer Space Affairs (UNOOSA), c/o European Space Policy Institute, Schwarzenberg Platz 6, 1030, Vienna, Austria. Leading group of students and young professionals (youths) to interact/rub minds to promote research and advancement in the space-sector. <https://spacegeneration.org/> ; <https://spacegeneration.org/2018-01-call-for-interest-research-on-a-microgravity-tool-for-non-spacefaring-nations>).
- Key Positions:**
-**Co-Founder(2017-2018)**, Space Medicine and Life Sciences (SMLS) Project Group. <https://spacegeneration.org/projects/smls>
-**Group Lead (2018-2020)**, Space Environment Working Group, Space Safety and Sustainability Project Group. <https://spacegeneration.org/projects/space-safety-sustainability>
- 2011 to Date: **Member** “Nigerian Society for Experimental Biology (NISEB)”, Ilorin, Nigeria. <http://www.niseb.org/>
- 2004 – 2008: National Association of Biochemistry Student (NABS), Bowen University Chapter, Nigeria (100-400 Level).
Key Positions:
-**General Secretary (2007–2008)**, NABS, Bowen University Chapter, Nigeria (400 Level).
-**Financial Secretary (2006-2007)**, NABS, Bowen University Chapter, Nigeria (300 Level).

MEMBERSHIP OF JURY (Reviewer for Academic Scholarships and Professional Sponsorships/ Selection Consultant/)

- 2026: **Application Reviewer for The Belmont Forum**, Clayton, Panama. As an experienced professional to review for Advancing Leadership Program (ALP) 2026 Fellowship Cohort 1 applications. The Belmont Forum is a partnership of funding organisations, international science councils, and regional consortia committed to the advancement of transdisciplinary science. The Belmont Forum represents a group of the world’s major and emerging funders of global environmental change research. Its goal is to accelerate the delivery of the environmental research needed to remove critical barriers to sustainability.
As a reviewer [reviewer ID R9 for four pairs (2, 12, 17, 18) applicants] to play a central role to ensuring a fair, transparent, and inclusive evaluation of applications, and hence supporting emerging transdisciplinary leaders addressing global environmental challenges. <https://belmontforum.org/alp-cohort-2026/> Applications reviewed in pairs respectively 2, 12, 17, 18:
- BioEco Builders.
 - The Drought Response Co-Lab.
 - Team Intergenerational Sustainability Communication.
 - The Forest Stewards.
- 2020: **Selection Consultant** for **The German Academic Exchange Service (DAAD)** for Postdoctoral Researchers International Mobility Experience (PRIME) Program, Bonn, Germany. Post-doctoral project proposal consulted for:
- Application P91726863: Using plant care to mitigate the negative impact of extreme isolation.

ADVISORY EXPERIENCE

Consultancy Assignments

- 2026 World Food Safety Day Planning Committee Member**, for Nigeria 7 June 2026. The World Food Safety Day is commemorated globally every year in June to raise awareness and promote actions that help prevent, detect, and manage food borne risks thereby contributing to food security, public health, and economic development.
- 2026 Nigerian National Food Safety Management Committee (NFSMC) Member**, set up by the Federal Ministry of Health and Social Welfare (FMHSW), Abuja, Nigeria for the Nigerian Government.
- 2024 to Date: Food and Feed Safety Expert for Federal Ministry of Health and Social Welfare (FMHSW), Nigeria** as a Member, Continuous Education and Research Technical Working Group (TWG) on Food and Feed Safety in Nigeria. A **consultative process** for developing risk-based solutions that strengthen Nigeria's food safety and quality ecosystem and improve public health outcomes. <https://punchng.com/fg-unveils-revised-national-policy-on-food-safety/>
- 2021: Specialist Consultant (Reviewer)** for 'Science Radio Script' for broadcast on public radio "A Moment of Science" by Indiana Public Media, Indiana University, Bloomington, Indiana, United States, 15 April, 2021. <https://www.ipm.org/show/amomentofscience/2021-04-15/can-we-farm-on-mars> ; <http://amomentofscience.org> . Radio Script:
- Can we farm on Mars?

Journal Editorial Board Member

- 2026 Technical Editorial Committee Member** of the Nigerian Space Agency's (NASRDA's) Journal, International Journal of Space Technology and Earth Science.
- 2023 to Date: Review Editor (Community Reviewer) and Topic Coordinator** for Frontiers in Space Technologies Journal (Electronic ISSN: 2673-5075), London, United Kingdom. <https://loop.frontiersin.org/people/2366855/overview> ; <https://www.frontiersin.org/journals/space-technologies/editors> ; <https://www.frontiersin.org/research-topics/57838/innovation-in-space-medical-technology> . Special issue (Research topic) coordinated:
- Innovation in Medical Space Technology.
- 2022 to Date: Editorial Board Member (Co-Editor)** for Journal of Marine Science and Research (JMSR). Medires Open Access Journals. Mediras Publishing LLC, Cheyenne, Wyoming, United States. <https://mediresonline.org/journals/marine-science-and-research/editorial-board>

Journal Reviewer Work (Advisory Experience)

- 2026: Review of Book Chapter** in the book "Current Trends in Space Medicine: Research and Practice from Astronauts' Health to Space Genomics", IGI Global Scientific Publishing. <https://www.igi-global.com/> Verified peer-review in Orcid <https://orcid.org/0000-0001-7575-9992>
- Book chapter reviewed:
- Adaptation and Deconditioning of the Cardiovascular System in Space Missions.
- 2026: Review of Book Chapter**, in the book "Fundamentals of Soil Science" BP International, Hooghly, West Bengal, India; Old Gloucester Street London WC1N 3AX, UK. <https://bookpi.org/> . Verified peer-review with certificate. Validation link: <https://bpi1.reviewerhub.org> ; Username: oluwafemifunmilola@gmail.com ; Password: XlmA6pSQeTEW
- Book chapter reviewed:
- Soil physics in agriculture.
- 2026: Reviewer for Springer Nature** – npj Microgravity (ISSN 2373-8065) <https://www.nature.com/npjmicrograv/> . Paper reviewed:
- The Long Arc of Scientists in Spaceflight - Scientists flying with their experiments.
- 2025: Reviewer for Elsevier** – Space Habitation Journal (ISSN: 2950-6166) <https://www.sciencedirect.com/journal/space-habitation> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- DDA Simulation of Celestial Orbits.
- 2025: Reviewer for Elsevier** – Future Foods Journal (Online ISSN: 2666-8335) <https://www.sciencedirect.com/journal/future-foods> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Impacts of Microgravity on the Survival and Growth Kinetics of Salmonella on Seeds and in Plant Nutrient Solution.
- 2025: Reviewer for Elsevier** – Current Plant Biology Journal (Online ISSN: 2214-6628) <https://www.sciencedirect.com/journal/current-plant-biology> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Terrestrial Planetary Plants: Essential Preparations for Interstellar Migration.
- 2025: Reviewer for Elsevier** – Trends in Food Science and Technology Journal (Online ISSN: 1879-3053; Print ISSN: 0924-2244). <https://www.sciencedirect.com/journal/trends-in-food-science-and-technology> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Space food 4D additive manufacturing (4D-AM): Insight into food perception science and nutritional supplementation on physical and mental health of astronauts.

- 2025: **Reviewer for Elsevier** – Life Sciences in Space Research Journal (ISSN: Print 2214-5524; Online 2214-5532), Amsterdam, Netherlands. <https://www.sciencedirect.com/journal/life-sciences-in-space-research> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Tracking and promoting brain health in space.
- 2025: **Reviewer for Elsevier** – The Microbe Journal (Online ISSN: 2950-1946), 1250 Avenue of the Americas, New York, NY 10020, USA. <https://www.sciencedirect.com/journal/the-microbe> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Predominance of *Colletotrichum* species among the fungal endophytes of black mangrove *Lumnitzera racemosa*: Diversity and bioactive profile of the endophytes.
 - Microgravity Transforms *Bacillus cereus* 1272 into a More Resilient Infectious Pathogen.
- 2025: **Reviewer for Elsevier** – Acta Astronautica Journal (Online ISSN: 1879-2030; Print ISSN: 0094-5765), BP 1268-16, F-75766 Paris Cedex 16, France. <https://www.sciencedirect.com/journal/acta-astronautica> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Badminton in space: Assessing physical and mental well-being of astronauts during extended isolation.
 - How isolated and confined-environment missions shape human interactions: SIRIUS-21
 - Microgravity's grip: Transforming plant-microbe interactions for space sustainability.
- 2025: **Reviewer for Frontiers** in Neuroscience Journal (Electronic ISSN: 1662-453X; Print ISSN: 1662-4548), London, United Kingdom. <https://www.frontiersin.org/journals/neuroscience> . Verified peer-review with name and affiliation listed on publication page. Papers reviewed:
- TaVNS as a Potential Countermeasure for Neurocognitive Decline in Microgravity. <https://www.frontiersin.org/articles/10.3389/fnins.2025.1724872>
- 2025: **Reviewer for Frontiers** in Sustainable Food Systems Journal (Electronic ISSN: 2571-581X), London, United Kingdom. <https://www.frontiersin.org/journals/sustainable-food-systems> . Verified peer-review with name and affiliation listed on publication page. Papers reviewed:
- Nano-urea driven improvements in nitrogen efficiency and wheat productivity: Trade-offs, synergies, and climate resilience pathways. <https://www.frontiersin.org/journals/sustainable-food-systems/articles/10.3389/fsufs.2025.1670081/full>
- 2025: **Reviewer for Frontiers** in Space Technologies Journal (Electronic ISSN: 2673-5075), London, United Kingdom. <https://www.frontiersin.org/journals/space-technologies> . <https://loop.frontiersin.org/people/2366855/editorial> . Verified peer-review with name and affiliation listed on publication page. Papers reviewed:
- Aerospace Health: A Systematic Review and Current State of Science. <https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2026.1736627/full>
 - Bacterial bio-cementation can repair space bricks. <https://www.frontiersin.org/articles/10.3389/frspt.2025.1550526>
 - Classifying analogue mission fidelity to optimise human factors and behavioural health research for deep space missions. <https://www.frontiersin.org/articles/10.3389/frspt.2025.1391331>
 - Assessment of the Physical and Psychological Aspect of the Current Life Support System on the International Space Station for a Sustainable Space Exploration. <https://www.frontiersin.org/articles/10.3389/frspt.2024.1461389>
- 2025: **Reviewer for UK Scientific Publishing Limited**; Creative Therapeutics Journal (ISSN: 3050-0397) Birmingham, United Kingdom. <https://ojs.ukscip.com/journals/ct> . Paper reviewed:
- Creative Activities in the Terezín Ghetto: A Case of Boys from heim L417.
- 2025: **Reviewer for Journal of Inflammatory and Infectious Medicine (JIIM)** (Online ISSN: 2982-3072), Melbourne, Victoria 3000, Australia. <https://www.sciltip.com/journals/jiim> . Paper reviewed:
- Effects of Simulated Microgravity on Anti-Cancer Drug Responsiveness.
- 2025: **Reviewer for Asian Research Journal of Agriculture (ARJA)** (ISSN: 2456-561X), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalarja.com/index.php/ARJA> . Verified peer-review with certificate. Validation link: <https://reviewer.reviewerhub.org> ; Username: oluwafemifunmilola@gmail.com ; Password: opofh6vE3oWI ; Papers reviewed:
- Optimizing Seed Priming Strategies in Winter Rice to Boost Germination and Seedling Establishment.
- 2025: **Reviewer for Asian Journal of Soil Science and Plant Nutrition (AJSSPN)** (ISSN: 2456-9682), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalajsspn.com/index.php/AJSSPN> . Verified peer-review with certificate. Validation link: <https://reviewer.reviewerhub.org> ; Username: oluwafemifunmilola@gmail.com ; Password: B8JYvtus6FyX ; Paper reviewed:
- Studying the Effect of Some Soil Conditioners and Anti-transpirations on Common Bean Plant Productivity and Soil Properties under Water Stress.

- 2025: **Reviewer** for Plant Cell Biotechnology and Molecular Biology (PCBMB) (ISSN: 0972-2025), I.K. Press Guest House Road, Tarakeswar, Hooghly, PIN-712410, West Bengal, India; I.K. Press, S107, 3 Hardman Square, Spinningfields, Manchester, M3 3EB, UK. <https://ikprpress.org/index.php/PCBMB> . Verified peer-review with certificate. Validation link: <https://dashboard.ikpress.info> ; Username: oluwafemifunmilola@gmail.com ; Password: tp8wtmIWkoZP ; Paper reviewed:
- Boosting mungbean growth and soil fertility: A sustainable approach through enhanced nodulation.
- 2025: **Reviewer** for Journal of Scientific Research and Reports (JSRR) (ISSN: 2320-0227), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journaljsrr.com/index.php/JSRR> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Paper reviewed:
- Optimizing sorghum yield and quality through plant growth regulators and micro-nutrient management strategies.
- 2025: **Reviewer** for Archives of Current Research International (ACRI) (ISSN: 2454-7077), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalacri.com/index.php/ACRI> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Paper reviewed:
- Edaphic microalgae and soil carbon dynamics: Exploring their potential in Climate-Smart Agriculture.
- 2024: **Reviewer for Elsevier** – Journal of Space Safety Engineering (JSSE) (Online ISSN: 2468-8967; Print ISSN: 2468-8975), Noordwijk, The Netherlands. <https://www.sciencedirect.com/journal/journal-of-space-safety-engineering> Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- Spaceflight Associated Dry Eye Syndrome (SADES): Outflow biophysics and infection risk.
- 2024: **Reviewer for Elsevier** – Life Sciences in Space Research Journal (ISSN: Print 2214-5524; Online 2214-5532), Amsterdam, Netherlands. <https://www.sciencedirect.com/journal/life-sciences-in-space-research> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> . Papers reviewed:
- Biophysics of ophthalmic medications during spaceflight: principles of ocular fluid dynamics and pharmacokinetics in microgravity.
 - Microgravity as a contributing factor to venous thromboembolism development: Risks and prevention strategies.
- 2024: **Reviewer for Elsevier** – Resource, Environment and Sustainability Journal (ISSN: 26669161), Netherlands. <https://www.sciencedirect.com/journal/resources-environment-and-sustainability> . Verified peer-review with certificate at Elsevier Reviewer Hub (<https://reviewerhub.elsevier.com/reviewer/home>) and in Orcid <https://orcid.org/0000-0001-7575-9992> Paper reviewed:
- Key factors in developing controlled closed ecosystems for lunar missions.
- 2024: **Reviewer** for Frontiers in Space Technologies Journal (Electronic ISSN: 2673-5075), London, United Kingdom. <https://www.frontiersin.org/journals/space-technologies> . <https://loop.frontiersin.org/people/2366855/editorial> . Verified peer-review with name and affiliation listed on publication. Papers reviewed:
- Tensile strength and porosity of regolith-based cement with human hair. [https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2024.1448787/full?utm_source=Email to rerev &utm_medium=Email&utm_content=T1 11.5e4 reviewer&utm_campaign=Email publication&journalName=Frontiers in Space Technologies&id=1448787](https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2024.1448787/full?utm_source=Email%20to%20rerev%20&utm_medium=Email&utm_content=T1%2011.5e4%20reviewer&utm_campaign=Email%20publication&journalName=Frontiers%20in%20Space%20Technologies&id=1448787)
 - Use of galvanic vestibular stimulation device as a countermeasure for microgravity effects in spaceflight. [https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2024.1422868/full?utm_source=Email to rerev &utm_medium=Email&utm_content=T1 11.5e4 reviewer&utm_campaign=Email publication&journalName=Frontiers in Space Technologies&id=1422868](https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2024.1422868/full?utm_source=Email%20to%20rerev%20&utm_medium=Email&utm_content=T1%2011.5e4%20reviewer&utm_campaign=Email%20publication&journalName=Frontiers%20in%20Space%20Technologies&id=1422868)
 - Enhanced astronaut hygiene and mission efficiency: A novel approach to in-suit waste management and water recovery in spacewalks. [https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2024.1391200/full?utm_source=Email to rerev &utm_medium=Email&utm_content=T1 11.5e5 reviewer&utm_campaign=Email publication&journalName=Frontiers in Space Technologies&id=1391200](https://www.frontiersin.org/journals/space-technologies/articles/10.3389/frspt.2024.1391200/full?utm_source=Email%20to%20rerev%20&utm_medium=Email&utm_content=T1%2011.5e5%20reviewer&utm_campaign=Email%20publication&journalName=Frontiers%20in%20Space%20Technologies&id=1391200)
- 2024: **Reviewer** for Journal of Experimental Agriculture International (JEAI) (ISSN: 2457-0591), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journaljeai.com/index.php/JEAI> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Paper reviewed:
- Effects of liquid organic fertilizer on soil chemistry, components and yields of maize.
- 2024: **Reviewer** for Asian Research Journal of Agriculture (ARJA) (ISSN: 2456-561X), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalarja.com/index.php/ARJA> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Papers reviewed:

- Multifaceted responses to heat stress in plants: A study of morpho-physiological, biochemical, and anatomical changes.
 - Influence of nipping and hormonal spray on growth parameters and seed yield in cowpea variety (*Vigna unguiculata* L.).
- 2024: **Reviewer** for Asian Journal of Advanced Research and Reports (AJARR) (ISSN: 2582-3248), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalajarr.com/index.php/AJARR> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Paper reviewed:
- Impact assessment of lead and restraint stress exposure on cardiac function of female wistar rats.
- 2024: **Reviewer** for International Journal of Plant and Soil Science (IJPSS) (ISSN: 2320-7035), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalijpss.com/index.php/IJPSS> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Paper reviewed:
- Exploring microgravity's effect on seed germination and growth of plants.
- 2024: **Reviewer** for Asian Journal of Chemical Sciences (AJOCS) (ISSN: 2456-7795), Hooghly, West Bengal, India; Third Floor, 207 Regent Street, London, W1B 3HH, UK. <https://journalajocs.com/index.php/AJOCS> . Verified peer-review with certificate. Validation link: <https://dashboard.peerreviewcentral.com> ; Username: oluwafemifunmilola@gmail.com ; Password: ZadxpTrgOQy9 ; Paper reviewed:
- Production and characterization of bio-oil derived from empty fruit bunch (FTIR) using fast pyrolysis.
- 2023 to 2024: **Reviewer** for Science Publications.
- American Journal of Applied Sciences (ISSN: Print - 1546-9239; Online – 1554-3641), Dubai, United Arab Emirates (UAE). <https://thescipub.com/es/> . Verified peer-review with certificate. Papers reviewed:
- Advancements in automated detection of COVID-19 in human chest CT scans using DLNN techniques.
- Space Science International Journal (ISSN: Print - 2524-2253; Online – 2524-2261), Dubai, United Arab Emirates (UAE). <https://thescipub.com/es/> . Paper reviewed:
- Excupulation of space debris from LEO using a debris removal module – A preliminary concept and overview.
- 2023: **Reviewer for Springer Nature** – Scientific Reports Journal (ISSN: 2045-2322), United Kingdom. <https://www.nature.com/srep/> ; <https://www.nature.com/srep/highlights/our-reviewers> . Paper reviewed:
- Biomining of lunar regolith simulant EAC-1A with the fungus *Penicillium simplicissimum*.
- 2023: **Reviewer** for Journal of Biomolecular Structure and Dynamics (ISSN: 07391102, 15380254), United Kingdom. Verified peer-review in web of science linked to orcid. <https://www.scimagojr.com/journalsearch.php?q=17596&tip=sid> ; <https://orcid.org/0000-0001-7575-9992> ;
- Paper reviewed:
- Analysing the impact of eriosematin E. from *Eriosema chinense* Vogel. Against different diarrhoeagenic pathovars of *Escherichia coli* using *in silico* and *in vitro* approach (TBSD-2023-1501.R1).
- 2023: **Reviewer** for Qeios. Qeios uses artificial intelligence (AI) to find and invite reviewers, and the reviews are published alongside the articles. Verified peer-review in web of science linked to orcid. <https://www.qeios.com/read/PK588W> ; <https://orcid.org/0000-0001-7575-9992> . Paper reviewed:
- A case for nature in long-haul space exploration.
- 2023: **Reviewer for Springer Nature** – Journal of Microgravity Science and Technology (Electronic ISSN: 1875-0494), Switzerland. <https://www.springer.com/journal/12217> . Paper reviewed:
- The lunar one-sixth low gravity conduciveness to the improvement of the cold resistance of plants.
- 2023: **Reviewer for Springer Nature** - Journal of Translational Psychiatry [ISSN: 2158-3188 (Online)], Berlin, Germany. Verified peer-review in orcid <https://orcid.org/0000-0001-7575-9992> . Papers reviewed:
- Digital clinicians in the new age of government and commercial space exploration.
 - Long-term spaceflight composite stress induced depression and cognitive impairment in astronauts—Insights from neuroplasticity.
- 2022 to Date: **Reviewer** for Journal of Marine Science and Research (JMSR). Medires Open Access Journals. Mediras Publishing LLC, Cheyenne, Wyoming, United States. <https://mediresonline.org/journals/marine-science-and-research/editorial-board> . Reviewed papers:
- Various pollutants affecting water quality and the diseases they cause (JMSR-23-RW-002).
 - Effects of adding *Moringa oleifera* seeds on common carp (*Cyprinus carpio* L.) performance and production (JMSR-23-RA-002).
- 2021: **Reviewer** for Textile and Leather Review (TLR) Journal (ISSN: 2623-6257 (Print)/2623-6281 (Online), Donji Laduc, Croatia. <https://www.tlr-journal.com/> . Verified peer-review with certificate. Paper reviewed:
- Study of space gloves and EVA suits with their future trends.

2019-2020: **Member Reviewer Board** for Herald Scholarly Open Access (HSOA) International Journal of Physical Medicine, Rehabilitation and Disabilities (ISSN: 2381-8670), Herndon, Virginia, United States. <https://www.heraldopenaccess.us/journals/journal-of-physical-medicine-rehabilitation-disabilities> . Verified peer-review with certificates. Papers reviewed:

- Bilateral genicular nerve radiofrequency ablation (RFA) for the treatment of pain in a patient with pigmented villonodular synovitis (PVNS) and chronic bilateral knee pain status post bilateral knee arthroplasty with improvement in disability index and pain scores.
- The Apollo 11 crew and effects from weightlessness upon re-entry to Earth's gravity.

Other Advisory Experiences

2025: **Mentor for Women in Synthetic Biology Africa (WiSBA)** – Subsidiary of **SynBio Africa** (Sustainable Biosynthetic Technologies for Africa). SynBio Africa is a forum for researchers, students, citizen scientists, policy makers and the public at large to convene and develop successful pathways for the propagation of synthetic biology technologies, products and services throughout Africa. Synthetic biology promises to provide sustainable, low-cost, breakthrough technologies to many grand challenges of the modern society via innovations in agriculture, chemicals, pharmaceuticals, energy, environmental conservation, crop improvement, and in microbial bio production. <https://synbioafrica.com/> ; https://www.linkedin.com/posts/dr-funmilola-oluwafemi-0026bb251_did-you-know-there-are-4-major-types-of-quotients-activity-7373312151786172416-jS3K?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0

2025: **Space Education Expert** for Space MarketPlace (SpaceTech in Gulf) Webinar on “SpaceTech in Agriculture: Advancing Sustainability and Ensuring Food Security”, 2pm UK Time, 15 April, 2025. https://www.linkedin.com/posts/space-marketplace_webinar-announcement-spacetech-in-activity-7317472038514753541-mIQ7?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0 ; https://www.linkedin.com/posts/space-marketplace_thank-you-for-joining-our-webinar-spacetech-activity-7317923374385524737-f6tE?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0

Topic presented:

- Space Technology in Support of Earth's Agriculture: A Key to Space Sustainability

2025: **Space Policy Expert** for Space Generation Advisory Council (SGAC), International Day of Human Spaceflight, a continental roundtable Webinar on “Politics, Regulations, and Funding: Is Africa Finally Ready for Human Spaceflight?”, 1pm – 2:30pm WAT (UTC+1) Time, 12 April, 2025. https://www.linkedin.com/posts/space-generation-advisory-council_sgac-nigeria-ghana-activity-7315166542176923648-Sj8z?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0

2025: Podcast on fighting against hunger with EcoStarch. EcoStarch is a groundbreaking startup that focuses on converting cellulose from plants into edible starch to address the global hunger crisis. By leveraging innovative biotechnology, EcoStarch provides a sustainable and affordable solution to food scarcity, aiming to feed millions while reducing reliance on traditional crops and minimizing environmental impact.

2024: **Scientist with NASA Open Science Data Repository (OSDR), NASA GeneLab Analysis Working Group (AWG) Community**. The NASA GeneLab is for open science. The OSDR contains multi-modal and multi-hierarchical fundamental life science data which is available for reuse toward basic science, applied science, and operational outcomes for knowledge discovery. <https://www.nasa.gov/osdr-working-groups-awg-about/> ; <https://awg.osdr.space/t/how-to-be-involved-master-table-of-open-sub-group-projects/1233>

2024: **Education Expert** for ScienceOverse: The ScienceOverse Experts Panel (TSEP) Episode 3. TSEP is a YouTube Live series of podcasts, featuring esteemed industry experts from various scientific fields. Insights from experts are always captivating and enlightening; simplify intricate concepts while maintaining their depth of understanding; engage ScienceOverse audience, leaving them with a profound appreciation for the cosmos' remarkable journey. 3 November, 2024, 9:00pm IST. Topic presented: Space Life and Microgravity Research. <https://youtu.be/plIJoOd048> ; <https://www.linkedin.com/company/scienceoverse/>

2024 to Date: **Scientific Advisor for CellClar CIC, London, UK**. CellClar CIC is a not-for-profit [Community Interest Company (CIC)] organization at the forefront of a transformational journey in precision medicine and healthcare. CellClar CIC provides researchers with tools needed to transform healthcare, breaking-barriers, and making innovation accessible to all.

Where our pioneering spirit meets innovation to tackle some of the most challenging medical conditions facing our world today. Our mission is to create a comprehensive, all-in-one platform—a true one-stop solution—designed to equip researchers with what they need to transform healthcare. Our vision is to equally empower all scientists regardless of location, by making this tool accessible to all. CellClar's expertise extends beyond mere data analysis; we are not only building a product that will be a game changer, we are also building bridges between data and real-world applications, driving innovation in precision medicine, and opening new avenues for scientific discovery.

https://www.linkedin.com/posts/cellclar_from-microgravity-to-science-policy-funmilola-activity-7359916369888354304-Y2NW?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEEmc2ib6WuMVB9V34q5map0 ; <https://www.linkedin.com/feed/update/urn:li:activity:7252632765630681088/> ; <https://www.cellclar.com/>

- 2024: **United Nations Training Crew Member** on “Microgravity Application: An Avenue to Boost Plant Growth and Nutrient for Economic Prosperity” (Microgravity Experiment Supporting Food Security) for United Nations Office for Outer Space Affairs (UNOOSA)/Brazilian Space Agency; Space Economy Masterclass Course, Session 5: Space Applications for Sustainable Development, 26-27 September, 2024.
- 2024: **National Program Monitoring and Implementation Coordinator** for the Voice of Women in the Development of Agriculture (VOWDA). www.vow-da.org
- 2024: **Space Education Expert** for SpaceTech in Gulf Webinar on “Exploring Advancements in the African Space Industry”, Saudi Arabia, 4pm KSA, 15 February, 2024. SpaceTech in Gulf has solidified its position as the leading analytics and space market intel company in the Middle East and North Africa (MENA) specializing in strategic communications and market intelligence within the space domain. With a particular focus on the GCC region, the company offers expertise and insights into the unique challenges and opportunities that exist within this rapidly evolving sector. By leveraging its extensive knowledge and network, SpaceTech in Gulf helps its clients navigate the complexities of the SpaceTech landscape and develop successful business strategies that drive growth and innovation. Topic presented:
- Microgravity Platforms: Avenues for the Transformation of Africa. (Podcast) https://open.substack.com/pub/spacetechgulf/p/exploring-advancements-in-the-african?r=3g4yw7&utm_campaign=post&utm_medium=email ; <https://youtu.be/tqDQuuRK98Y>
- 2024 to Date: **SciPinion Expert Community Member**. SciPinion is a **network of experts** with a goal to combat uncertainty by combining the knowledge of the world's most eminent experts and making their knowledge available to the public, businesses, and governments. <https://scipinion.com/about/>
- 2023: **Secondary Proposer** for European Cooperation in Science and Technology (COST) Action. COST is an intergovernmental framework for science and technology cooperation. www.cost.eu ; http://www.cost.eu/COST_Actions . Project title:
- BEACON (Bridging Education and Action for Comprehensive One Health Nurturing); OC-2023-1-26255.
 - Building Education and One Health with Adaptive Convergence and Open Networks; OC-2024-1-27164. https://www.linkedin.com/posts/eu-beacon-one-health-education-cost-action_professor-mar%C3%ADa-jes%C3%BAs-lirola-has-been-officially-activity-7338418268254220290-Niz1?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEcmc2ib6WuMVB9V34q5map0
- 2023: **Research Fellow (Space medicine: neurology research group)** of International Centre for Astronautical Development (ICAD) with the theme “Developing an Interplanetary Species”; the organization has three core pillars: to perform high-quality scientific research in the field of space medicine; to offer mentorship opportunities; and to perform space outreach (mostly virtual research). (16 February to 30 October) <https://www.astronauticalcentre.com/our-team>
- 2022 to Date: **The President and Founder** of Funafo Innovations Promotion Foundation for Women and Youths; a Non-Governmental Organization (NGO), Abuja, Nigeria. Registration Number 187277. <https://b2bhint.com/en/company/ng/funafo-innovations-promotion-foundation-for-women-and-youths--IT-187277> ; <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/?viewAsMember=true> ; <https://funafoundation.com/> <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true> . Funafo IP Foundation is saddled with finding opportunities for women and youths in education, research, and vocation rehabilitation in space life sciences, climate smart agriculture and other emerging and innovative scientific researches; hence, promoting growth, STEM and sustainable development.
- 2022 to Date: **Local School Board Member**: Voluntary service/Community involvement role to successfully run Kingdom Heritage Model School (KHMS). KHMS is a nursery and primary school located at Federal Housing Authority (FHA), Lugbe, Abuja, Nigeria. <https://eclfcww.org/khmsclusters.php>
- 2022 to 2023: **Senior Advisor** (2023) – Global Operations and Partnerships; and **Project Advisor** (2022) at Tod'Aers Global Network (TGN), 07 BP 13117 Rue Mercure, Lome, Region Maritime (Togo). TNG is a global public-private partnerships (PPP) establishment with a vision to support global sustainable development, technological innovation, and socio-economic progress worldwide. Analytical articles:
- Sustainable Development Goals and Space Policy: Some Vital Recommendations. <https://www.todaers.org/post/sustainable-development-goals-and-space-policy-some-vital-recommendations>
 - The Role of Geospatial Technology in Climate Change Mitigation and Adaptation. <https://www.todaers.org/post/the-role-of-geospatial-technology-in-climate-change-mitigation-and-adaptation>
- 2022: **Space Science Educator** for Ministry of Space Education, Antarexxa Space Global, Bali, Indonesia in conjunction with NASA's Artemis lunar exploration program. 19th February 2022. <https://antarexxa.com/> . Online Moon Camp 2022, Session 13:
- Space farming – Farming in microgravity and reduced gravity environment (Podcast).
- 2021: **Space Expert** for Space Hero Insider Program, Houston, Texas, United States. <https://tdgaholdings.com/>
- 2018: **International Conference Organizer** – Delegates Officer of the 2nd African-Space Generation Workshop (AF-SGW) of the Space Generation Advisory Council (SGAC), in support of the United Nations Program on Space Applications, United Nations

- Office for Outer Space Affairs (UNOOSA) held at Rajiv Gandhi Science Centre (RGSC), Port-Louis, Mauritius, 17-18 December, 2018. https://spacegeneration.org/afsgw2018/afsgw_team
- 2017: **Local Conference Organizer (Local Organizing Committee-LOC Member)** of the 1st National Workshop on Microgravity and Environmental Research, Centre for Atmospheric Research (CAR), National Space Research and Development Agency (NASRDA), Anyigba, Nigeria, 26-29 November, 2017. http://carnasrda.com/microgravity_workshop/
- 2017: **International Conference Organizer** – Delegates Officer of the 1st African-Space Generation Workshop (AF-SGW) of the Space Generation Advisory Council (SGAC), in support of the United Nations Programme on Space Applications, United Nations Office for Outer Space Affairs (UNOOSA) held at Centre for Space Research and Application (CESRA), Federal University of Technology Akure (FUTA), Akure, Nigeria, 16-17 November, 2017.
- 2017: **Moderator of Section of United Nations Conference** at United Nations/United Arab Emirates, High Level Forum “Space as a Driver for Socio-Economic Sustainable Development”, Dubai, United Arab Emirates, 6-9 November, 2017. <https://www.unoosa.org/oosa/en/ourwork/hlf/2017/hlf-presentations.html>
- 2015 - 2026: **Advisor** to nine postgraduate students and four undergraduate (interns) in microgravity science, National Space Research and Development Agency (NASRDA).

LEADERSHIP AND ADMINISTRATIVE EXPERIENCES

- 2026: **Unit Head** of the Space Biology Program (SBP), Space Life Sciences Division, Space Physical and Life Sciences Department, NASRDA, Nigeria.
- 2025: **Acting Divisional Head** of the Space Life Sciences Division, Space Physical and Life Sciences Department, NASRDA, Nigeria.
- 2025 to 2026: **Lead, microgravity analogue and simulator review project**, NASA Open Science Data Repository (OSDR), NASA GeneLab Analysis Working Group (AWG). <https://awg.osdr.space/t/how-to-be-involved-master-table-of-open-sub-group-projects/1233>
- 2024 to Date: **Scientific Advisor for NGO**: Scientific Advisor for CellClar CIC, London, UK. Using my professional expertise to advice CellClar CIC, providing earchers with tools needed to transform healthcare, breaking-barriers, and making innovation accessible to all. https://www.linkedin.com/posts/cellclar_from-microgravity-to-science-policy-funmilola-activity-7359916369888354304-Y2NW?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0
- 2024 to Date: **National Program Monitoring and Implementation Coordinator** for Voice of Women in the Development of Agriculture (VOWDA). www.vow-da.org
- 2023 to 2024: **The Secretary**, Teenagers Church, Living Faith Church (LFC), FHA, Lugbe, Abuja.
- 2022 to Date: **Local School Board Member**: Voluntary service/Community involvement role to successfully run Kingdom Heritage Model School (KHMS). KHMS is a nursery and primary school located at Federal Housing Authority (FHA), Lugbe, Abuja, Nigeria.
- 2022 to Date: **The Founder and the President**: Funafo Innovative Promotion Foundation for Women and Youths; a Non-Governmental Organization (NGO), Abuja, Nigeria with Registration Number 187277. <https://b2bhint.com/en/company/ng/funafo-innovations-promotion-foundation-for-women-and-youths--IT-187277> ; <https://funafoundation.com/> , <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true>
- 2019 – 2021: **Astrobiology Unit Head**: Space Life Sciences Division, NASRDA, Abuja, Nigeria.
- 2019: **Co-Founder**: The Space Medicine and Life Sciences (SMLS) Project Group of Space Generation Advisory Council (SGAC), in Support of the United Nations Program of Space Applications, United Nations Office for Outer Space Affairs (UNOOSA). <https://spacegeneration.org/projects/smls>
- 2019: **Rapporteur at United Nations (International) Conference**: Rapporteur of “The Benefits of Space for All Session” at the United Nations/Austria, World Space Forum: ‘Access to Space for All’, Vienna International Centre (VIC), Vienna, Austria, 18-22 November, 2019. https://www.unoosa.org/documents/pdf/WSF/2019/Documents/Final_Programme.pdf ; <https://www.unoosa.org/oosa/en/ourwork/world-space-forum/2019/world-space-forum-2019.html>
- 2018 – 2020: **Space Environment Working Group Lead**: Space Safety and Sustainability (SSS) Project Group of SGAC, in Support of the United Nations Program of Space Applications, UNOOSA. <https://spacegeneration.org/projects/space-safety-sustainability>
- 2018: **Conference Organizer– Delegates Officer**: 2nd African-Space Generation Workshop (AF-SGW) of SGAC, in support of the United Nations Program on Space Applications, UNOOSA held at Rajiv Gandhi Science Centre (RGSC), Port-Louis, Mauritius, 17-18 December. https://spacegeneration.org/afsgw2018/afsgw_team
- 2023 to 2024: **The Assistant Coordinator**, Teenagers Church, Living Faith Church (LFC), Amac/Aco Estate, Lugbe, Abuja.
- 2017: **Conference Organizer (Local Organizing Committee-LOC Member)**: 1st National Workshop on Microgravity and Environmental Research, Centre for Atmospheric Research (CAR), NASRDA, Anyigba, Nigeria, 26-29 November. http://carnasrda.com/microgravity_workshop/
- 2017: **Conference Organizer – Delegates Officer**: 1st African-Space Generation Workshop (AF-SGW) of SGAC, in support of the United Nations Program on Space Applications, UNOOSA held at Centre for Space Research and Application (CESRA), Federal University of Technology Akure (FUTA), Akure, Nigeria, 16-17 November.
- 2017: **Moderator of Section of United Nations Conference**: United Nations/United Arab Emirates, High Level Forum “Space as a Driver for Socio-Economic Sustainable Development”, Dubai, United Arab Emirates, 6-9 November. <https://www.unoosa.org/oosa/en/ourwork/hlf/2017/hlf-presentations.html>

- development. <https://b2bhint.com/en/company/ng/funafo-innovations-promotion-foundation-for-women-and-youths--IT-187277> ; <https://funafofoundation.com/> , <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true>
- 2022 - 2023: **Tod'Aers Global Network (TGN)**, 07 BP 13117 Rue Mercure, Lome, Region Maritime (Togo) (Remote/ Virtual Role; International Voluntary Work). TGN is a global public-private partnerships (PPP) establishment with a vision to support global sustainable development, technological innovation, and socio-economic progress worldwide. <https://todaers.yolasite.com>. **Key Positions: Senior Advisor** (2023) – Global Operations and Partnerships; **Project Advisor** (2022).
- 2019: **Rapporteur at United Nations (International) Conference**: Rapporteur of “The Benefits of Space for All Session” at the **United Nations/Austria, World Space Forum: ‘Access to Space for All’**, Vienna International Centre (VIC), Vienna, Austria, 18-22 November, 2019. https://www.unoosa.org/documents/pdf/WSF/2019/Documents/Final_Programme.pdf ; <https://www.unoosa.org/oosa/en/ourwork/world-space-forum/2019/world-space-forum-2019.html>
- 2017 **Moderator at United Nations (International) Conference**, Moderator of the “Capacity-Building and Information Dissemination Session” at the **United Nations/United Arab Emirates, High Level Forum “Space as a Driver for Socio-Economic Sustainable Development”**, Dubai, United Arab Emirates, 6-9 November, 2017. <https://www.unoosa.org/oosa/en/ourwork/hlf/2017/hlf-presentations.html>
- 2017 **Conference Organizer (Local Organizing Committee-LOC Member)**, 1st National Workshop on Microgravity and Environmental Research, Centre for Atmospheric Research (CAR), National Space Research and Development Agency (NASRDA), Anyigba, Nigeria, 26-29 November. http://carnasrda.com/microgravity_workshop/
- 2016 – 2019: **The New York Academy of Sciences (NYAS)**, New York, United States (Remote/ Virtual Role; International Voluntary Work). **Key Position: Mentor to Teenage Girls** in the “1000 Girls 1000 Futures” Program. Recruited by Global STEM-Alliance to mentor and engage young-women (teenage girls ages 13–19) from around the world interested in Science Technology Engineering and Mathematics (STEM) to advance their pursuit of STEM-careers by development of their 21st century skills. Hence, teaching and guiding teenage girls in the 1000 Girls 1000 Futures program on how to have a career in STEM and space science. <https://www.nyas.org/news-articles/academy-news/stories-of-inspiration-innovation-collaboration/> ; [https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&oq=New+York+academy+of+science+200th+year+video+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQRigATIHCAIQRigATIHCAUQIRiPaIjBCjIwMjE1ajBqMTWoAgIwAgHxBQSLXXwvUSMD&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:c403a652,vid:q-8em88QrIg,st:0](https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&oq=New+York+academy+of+science+200th+year+video+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQRigATIHCAIQRigATIHCAIQRigATIHCAUQIRiPaIjBCjIwMjE1ajBqMTWoAgIwAgHxBQSLXXwvUSMD&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:c403a652,vid:q-8em88QrIg,st:0) (video at 1:45)
- 2016: **Young African Leaders Initiative (YALI Network) Member**. <https://yali.state.gov/courses/course-412/#/>
- 2015 – 2017: Collaboration with **United Nations (Space Science Communication and Promotion Officer**; International Voluntary Work). Have research and educational collaboration with **United Nations Office for Outer Space Affairs (UNOOSA)** on the Zero-Gravity Instrument Project (ZGIP) of the Human Space Technology Initiative (HSTI) by teaching interns, students on excursion, colleagues etc. on microgravity science using the simulated microgravity equipment called clinostat won from UNOOSA and researching with the equipment sending results to United Nations. https://www.unoosa.org/res/oosadoc/data/documents/2016/aac_105/aac_1051108_0.html/53STSC-1108E.pdf
- 2015 to 2020: **Space Generation Advisory Council (SGAC)** (Remote/ Virtual Role; International Voluntary Work). In Support of the United Nations Program of Space Applications, United Nations Office for Outer Space Affairs (UNOOSA), c/o European Space Policy Institute, Schwarzenberg Platz 6, 1030, Vienna, Austria. Leading group of students and young professionals (youths) to interact/rub minds to promote research and advancement in the space-sector. <https://spacegeneration.org/2018-01-call-for-interest-research-on-a-microgravity-tool-for-non-spacefaring-nations>).
- Key Positions:**
- Co-Founder**, Space Medicine and Life Sciences (SMLS) Project Group. <https://spacegeneration.org/projects/smls>
 - Group Lead**, Space Environment Working Group, Space Safety and Sustainability Project Group.
- 8 publications were made from this group; 2 journals and 6 conference proceedings.
- <https://spacegeneration.org/projects/space-safety-sustainability/past-projects> ; <https://spacegeneration.org/projects/space-safety-sustainability>
- 2008 – 2009: **Nigerian National Youth Service Corps (NYSC)**. This was a **national voluntary work/community involvement**. Served the Nigerian Government free of charge for 1 year at Plateau State [NYSC/PL/BWU/O8/405105], Jos North, Nigeria at the Department of Biochemistry, University of Jos (UNIJOS), Jos, as a Graduate Assistant. I as well received the Chairman’s Commendation Award after this volunteer work for carrying out a Personal Community Development Studies (CDS) during the volunteering on “A Campaign against HIV/AIDS for commercial drivers”, at the National Union of Road Transport Workers (NURTW) Abuja Park, Jos, Nigeria. It involved creating awareness, counselling and testing for this group of high risk population.
- 2008 – 2009: **Anti-Corruption Community Development Service (CDS) Group** with Number PL/08B/1346 by National Youth Service Corps (NYSC), Plateau State 2008 Batch B. An action group crusading for a corrupt free society (fighting against corruption).
- 2004 – 2008: **National Association of Biochemistry Student (NABS)**, Bowen University Chapter, Nigeria (100-400 Level).
- Key Positions:**
- General Secretary (2007–2008)**, NABS, Bowen University Chapter, Nigeria (400 Level).
 - Financial Secretary (2006–2007)**, NABS, Bowen University Chapter, Nigeria (300 Level).

WOMEN IN SCIENCE ENGAGEMENTS / PARTICIPATION (Scientific Achievement and Science Outreach)

Commitment to advancing gender equality in STEM; dedicated to encouraging girls and young women to engage with STEM subjects and pursue careers in science; and inspiring the next generation of female scientists around the world.

2026 Speaker at Organization for Women in Science for the Developing World (OWSD), Faculty of Science, University of Lagos (UNILAG) Branch, Lagos, Akoko, Nigeria on the 2026 International Day of Women and Girls in Science. Webinar theme “From Vision to Impact: Redefining STEM by Closing the Gender Gap” 11 February, 2026 at 1:00pm WAT. https://www.linkedin.com/feed/update/urn:li:activity:7426861147154399232?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0

Topic Presented: Strategies for Women to Advance to Leadership Positions in Science.

2025 Women in CLIFF-GRADS: Tips on How to Apply. Podcast on 18 December, 2025 from Women Alumni of CLIFF-GRADS (Climate, Food and Farming – Global Research Alliance on Agricultural Greenhouse Gases Development Scholarships) Programme <https://youtu.be/mUPbZrTsORc> ; https://www.linkedin.com/posts/cliff-grads_applying-for-cliffgrads-hear-from-women-activity-7407627656847847425-ZMuQ?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0

2025 AstraFemina Member: AstraFemina is a USA based organization that is committed to inspiring today’s girls to become tomorrow’s STEM stars! It is a community of women in STEM making a powerful impact through outreach and visibility. AstraFemina partners with organizations that run STEM outreach programs for girls and young women. These programs are supported – both virtually and in person by connecting them with inspiring role models that are members of AstraFemina. www.astrafemina.org .

2025 Speaker at Women in Synthetic Biology Africa (WiSBA) Mentorship Program – Subsidiary of Synthetic Biology Africa (SynBio Africa). Theme: Leadership and Emotional Intelligence (leadership strategies, teamwork, and handling challenges), 24 August, 2025 at 8:00pm EAT.

Topic Presented: Emotional Intelligence: The Secret to Effective Leadership

2025 Speaker for the Office of the Campus Director, Female Law Students (FLF), Enugu State University of Science and Technology (ESUT) Chapter, Agbani, Enugu State, Nigeria presents webinar titled “Wellness Revolution: Redefining Women’s Health”, and Theme “Mental, Sexual, Gynecological, Reproductive and Lifestyle Factors of Women”, 22-24 August, 2025, 7-9pm WAT.

Topic Presented: Lifestyle factors: Nutrition and Physical Activities in Relation to Sicknesses and Diseases.

2024 to Date: National Assignment: Nominated and selected as a gender responsive representative for National Assignment to be in the team as a **member of the Technical Working Groups (TWGs) on Food and Feed Safety in Nigeria**. Was as well selected as the secretary for the Continuous Education and Research Technical Working Group. <https://nigeria.spsafricaexperts.com/experts/show-profile/MjE3> ; <https://punchng.com/fg-unveils-revised-national-policy-on-food-safety/> ; https://www.linkedin.com/posts/dr-funmilola-oluwafemi-0026bb251_i-am-humbled-to-be-nominated-and-selected-activity-7206657548555280385-ZUqC/?utm_source=share&utm_medium=member_android

In this National Assignment; as the **National Program Monitoring and Implementation Coordinator** for the Voice of Women in the Development of Agriculture (VOWDA). The Federal Government of Nigeria unveiled the revised national policy on food safety with inauguration of four Technical Working Groups. VOWDA is an NGO saddled with the bridging of the gap between female agricultural scientists and small holder female farmers (female peasant farmers) for improved food production, food safety and security in Nigeria and Africa entity. www.vowda.org

Four Technical Working Groups were approved by the Coordinating Minister of Health and Social Welfare, to work with the Federal Ministry of Health and Social Welfare in collaboration with the Nigerian Economic Summit Group (NESG), the Food & Agriculture Export Alliance (FAEA), the United States Department of Agriculture (USDA), the United States Agency for International Development (USAID), University of Missouri's Africa Food Safety Initiative (AFSI) and other partners. <https://nigeria.spsafricaexperts.com/>

2023 Speaker at Women Business Dinner 2023 Edition, theme “Building a Successful Business Model”, held at Presidential Premier Hotel, FHA, Abuja, Nigeria, 27 May, 2023.

Topic Presented: The Need for Knowledge and Excellence in Building a Successful Business.

2023 to Date: Member Zonta Club of Abuja (Women and Girls Club): District 18, Area 3, **Building a better world for women and girls.** <https://converseer.com/aviation-professionals-urge-girls-to-aspire-to-greatness/> ; www.zontasaysno.com ; www.zonta.org

2022 to Date: The President and Founder of Gender Responsive NGO: Funafo Innovations Promotion Foundation for Women and Youths; a Non-Governmental Organization (NGO), Abuja, Nigeria. Registration Number 187277. https://www.linkedin.com/posts/funafo-ip-foundation-for-women-and-youths_announcing-our-board-of-trustees-president-activity-7314965326914379776-SHG4?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0 ; <https://b2bhint.com/en/company/ng/funafo-innovations-promotion-foundation-for-women-and-youths--IT-187277> ; <https://www.linkedin.com/company/funafo-ip-foundation-for-women-and-youths/about/?viewAsMember=true> ; <https://funafofoundation.com/> . Funafo IP Foundation is saddled with finding opportunities for women and youths in education,

research, and vocation rehabilitation in space life sciences, climate smart agriculture, and other emerging and innovative scientific researches; hence, promoting growth, STEM and sustainable development.

- 2022 Women Fellowship:** Zonta International Amelia Earhart Fellowship for **Women in Aerospace, Zonta International Foundation**, Oak Brook, Illinois, United States; 2022-2023 academic year. Amelia Earhart Fellowships are awarded annually to women pursuing a PhD./doctoral degree conducting research applied to aerospace engineering or space sciences. Globally, women make up around 25 percent of the workforce in the aerospace industry. In an effort to carry out its mission that women have access to all resources and are represented in decision-making positions on an equal basis with men, Zonta International offers the Amelia Earhart Fellowship. Zonta International has the theme “Empowering Women through Service and Advocacy”. https://www.zonta.org/Web/News_Events/Articles/Introducing_2022_Amelia_Earhart_Fellows.aspx ; <https://freedomonline.com.ng/aviation-professionals-urge-girls-to-aspire-to-greatness/?amp=1> ; https://www.linkedin.com/posts/olufowora-fatima-oladipo-0273419b_zonta-lagos-1-celebrated-amelia-earhart-activity-7030539225242419200-I3I3/?utm_source=share&utm_medium=member_android
- 2022 Roundtable Discussion at the Women in Science Event, Centre for Atmospheric Research (CAR),** National Space Research and Development Agency (NASRDA), Abuja, Nigeria. Held virtually on the 11th February, 2022. Theme: Equity, Diversity and Inclusion: Water Unites Us.
- 2021 Women Fellowship:** African-German Network of Excellence in Science - Program Advocating Women in Science (**AGNES-PAWS**), Abomey-Calavi, Cotonou, Benin. I was nominated and selected for the grant for Junior Researchers. The grant is hundreds of Euro for research and/or publication support. It is supported by the German Federal Ministry of Education and Research (BMBF) and the Alexander von Humboldt (AvH) Foundation. <https://agnes-h.org/2021-call-for-nominations-agnes-grants-for-junior-researchers/>
- 2017 Women Training Scholarship:** Full sponsorship by International Centre for Theoretical Physics (**ICTP**) to attend Career Development Workshop for **Women in Science**, ICTP, Trieste, Italy, 2017. ICTP is a flagship of United Nations Educational, Scientific and Cultural Organization (UNESCO). <https://indico.ictp.it/event/7995/> ; <https://www.ictp.it/home/supporting-gender-equality>
- 2016 – 2018 Mentor to Teenage Girls:** The **New York Academy of Sciences (NYAS)**, New York, United States (Remote/ Virtual Role; International Voluntary Work). **Key Position: Mentor to Teenage Girls** in the “1000 Girls 1000 Futures” Program. Recruited by Global STEM-Alliance to mentor and engage young-women (teenage girls ages 13–19) from around the world interested in Science Technology Engineering and Mathematics (STEM) to advance their pursuit of STEM-careers by development of their 21st century skills. Hence, teaching and guiding teenage girls in the 1000 Girls 1000 Futures program on how to have a career in STEM and space science. <https://www.nyas.org/news-articles/academy-news/stories-of-inspiration-innovation-collaboration/> ; [https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&oeq=New+York+academy+of+science+200th+year+video+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQIRigATIHCAQIRigATIHCAUQIRiPatIBCjIwMjE1ajBqMTWoAgIwAgHxBQSLXXwvUSMD&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:c403a652,vid:q-8em88QrIg,st:0](https://www.google.com/search?q=New+York+academy+of+science+200th+year+video&oeq=New+York+academy+of+science+200th+year+video+&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIHCAEQIRigATIHCAIQIRigATIHCAQIRigATIHCAQIRigATIHCAUQIRiPatIBCjIwMjE1ajBqMTWoAgIwAgHxBQSLXXwvUSMD&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:c403a652,vid:q-8em88QrIg,st:0) (video at 1:45)

WEB LINKS OF PROFILE

- ORCID ID (Open Researcher and Contributor ID): <https://orcid.org/0000-0001-7575-9992>
- LinkedIn: <https://www.linkedin.com/in/dr-funmilola-oluwafemi-0026bb251/> ; <https://www.linkedin.com/in/funmilola-adebisi-oluwafemi-0026bb251/>
- Google Scholar: https://scholar.google.com/citations?user=8S0pg_wAAAJ&hl=en (Citations = 322; h-index = 8; i10-index = 5)
- ResearchGate (R^G): https://www.researchgate.net/profile/Funmilola_Adebisi_Oluwafemi (Citations = 351; h-index = 8; Research Interest Score = 308.0)
- Scopus Author ID 57193774302: <https://www.scopus.com/authid/detail.uri?authorId=57193774302> (Citations = 198; h-index = 5; Documents = 28)
- Web of Science Researcher ID: AAA-1942-2021
- SciProfiles: <http://sciprofiles.com/profile/funmilolaoluwafemi>
- Publons: <https://publons.com/researcher/3515908/funmilola-oluwafemi/>
- Blog: <https://spaceandlifematterswithfunmilola.blogspot.com/?m=1> <https://spaceandlifematterswithfunmilola.blogspot.com/?m=0>
- Elsevier Reviewer Summary: reviewerhub.elsevier.com ; <https://reviewerhub.elsevier.com/reviewer/home>
- Springer Nature Review Summary (SNAPP - Springer Nature's Article Processing Platform) 2023: <https://reviewer.springernature.com/> ; https://reviewer-feedback.springernature.com/v2/year_end_review/b2x1d2FmZW1pZnVubWlsb2xhQGdtYWlsLmNvbQ==

RESEARCH KEYWORDS

- Bioastronautics
- Space Life Science
- Agricultural Greenhouse Gas (GHG) Research
- Spaceflight/astronautical hygiene
- Environmental Control and Life Support System (ECLSS)
- Space Biology
- Space Medicine and Healthcare
- Climate Smart Agriculture (CSA)
- Isolated, Confined and Extreme (ICE) Environments Research
- Gravitational Biology
- Plant Science
- Biochemistry

TECHNICAL/HARD SKILLS

Scientific Skills

- Molecular Biology Technique
- Bioastronautics
- Climate Smart Crop Farming
- ImageJ Software Expertise
- Giovanni Platform Navigation
- Plant Science Research Expertise (plant growth-parameters, morphological-parameters, physiological-parameters, biochemical-parameters and the root anatomical parameters)
- Scientific Laboratory Expertise
- Space Life Science
- Gravitational Biology Expertise
- Extreme, Isolated and Confined Environments (ICE) Research Science/Expertise
- CropWatch Platform Navigation
- Biotechnology Expertise
- Space Bio-science
- SEM/TEM Microscopy

Computer Skills

- Machine Learning (ML)
- Artificial Intelligence (AI)
- Blogging
- Remote/Virtual/Telecommuting/Hybrid-Relevant Skills: Use of digital communication tools and digital first products
- Making Computer Custom Fonts
- Knowledge of Microsoft Office Suite
- Google Office

Writing Skills

- Content Writing
- Program Reporting
- Writing Scientific Articles
- Writing Report

Data Skills

- Data Analysis Skills (Statistical analysis, Data modeling, Data mining)
- Data Visualization Skills (Data visualization tools, Visualization practices)
- Data Management Skills (Data storage, Data governance, Data integration)
- Data Science Skills (Machine learning, Deep learning, Natural language processing)

Speaking Skills

- Good Public Speaking Technique
- Bold Speaking and Presentation

SOFT SKILLS

- Good initiative, creative and organised
- Self-motivated and target oriented
- High sense of responsibility
- Ability to work independently and in a team
- Ability to work without supervision and adapt to new tasks and challenges
- Meeting deadlines without compromising standard of work
- Experience of international quick turnaround environment
- Willingness to expand horizon, learn and develop
- Excellent interpersonal skills
- Likes to lead and to be Led
- Excellent, disciplined, diligent (smart-working) and honest
- Emotionally stable
- Collaborative/ partnership spirit

LANGUAGES

- English (Full Professional Proficiency in English language skills: Speaking, Listening/Hearing, Reading and Writing)
- Creoles and Pidgin, English-based (Professional Working proficiency)
- Got intellectual wisdom in English language (Spoken, Listening/Hearing and Written)
- French (Intermediate Professional Proficiency)
- Yoruba (Full Professional Proficiency in Yoruba language skills: Speaking, Listening/Hearing, Reading and Writing)

INTERESTS

Researching, Teaching, Writing, Reading and Counselling.

PUBLICATIONS

Books - 7

Book Chapters - 4

Journal Papers - 30

Conference Papers - 45

Media Communications - 12

Published Abstracts - 11

Registered Articles - 1

Scopus indexed - 28

Total number of full scientific publications listed as author - 82

Total number of full publications listed as author (with media communications e.g. magazine) - 95

Number of publications listed as the first author - 69

Number of publications listed as the last author - 3

Number of publications listed as the first and last author - 73

CONFERENCES/WORKSHOPS/ SYMPOSIUM/ FORA ATTENDED

Papers Presented at International Conferences/Workshops Physically - 27

Papers Presented at Local Conferences/Workshop in Nigeria - 25

Papers Presented via Online/Virtual Conference/Workshop or Webinar - 23

Poster Papers Presented at Conference/Workshop - 8

Papers Delivered in Academic Conferences/Workshops Globally - 46

* Indicates the presenter at conference/workshop when is more than an author for the paper

2026 **World Food Safety Celebration** held on the 8 June 2026. Venue: Regus, 28 Okemesi Crescent Garki 2, Abuja.

Position: Member 2026 World Food Safety Celebration Committee, Nigeria..

2026 **NASA Human Research Program (HRP) Investigators' Workshop (IWS)** (Virtual) 7-9 April 2026.

<https://spaceflightprofessionals.org/event-6356763>

2026 **Indian Technical and Economic Cooperation (ITEC) Training by the Government of India a Civilian Training Programme** on Climate Resilient and Disaster Risk Management (CRDRM), held at the Environment Protection Training and Research Institute (EPTRI), Hyderabad, Telangana, India, 5 -18 March, 2026.

2026 **Organization for Women in Science for the Developing World (OWSD)**, Faculty of Science, University of Lagos (UNILAG) Branch, Akoko, Lagos, Nigeria on the 2026 International Day of Women and Girls in Science. Webinar theme "From Vision to Impact: Redefining STEM by Closing the Gender Gap" 11 February, 2026 at 1:00pm WAT. https://www.linkedin.com/feed/update/urn:li:activity:7426861147154399232?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0

Topic Presented: Strategies for Women to Advance to Leadership Positions in Science.

2026 **7th Nigerian Academy of Science (NAS) Annual Scientific Conference** with conference theme "From Research to Market: The Making of Knowledge-Based Economies" held at Shehu Musa Yar'Adua Centre, 1 Memorial Drive, Central Business District, Abuja, Nigeria, 27-28 January 2026. Selected sub-theme 'Sustainable Energy Systems'. https://www.linkedin.com/posts/nigerian-academy-of-science_nigerianacademyofscience-scientificconference-activity-7355600722912022532-8BCH?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0

Paper Presented (Poster): *Funmilola A. Oluwafemi, Ropo A. Olubiyi (2026). Correlation between Space Activities and Climate Smart Agriculture - A Case Study of Biochar Application on Growth Performance of Different Cereal and Legume Crop Species. Poster No. 38. (Research presentation)

2025 **Women in CLIFF-GRADS: Tips on How to Apply.** Podcast on 18 December, 2025 from Women Alumni of CLIFF-GRADS (Climate, Food and Farming – Global Research Alliance on Agricultural Greenhouse Gases Development Scholarships) Programme <https://youtu.be/mUPbZrTsORc> ; https://www.linkedin.com/posts/cliff-grads_applying-for-cliffgrads-hear-from-women-activity-7407627656847847425-ZMuQ?utm_source=share&utm_medium=member_android&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0

Topic of Podcast: Primitiva Andrea Mboyerwa, Funmilola Oluwafemi, Glory Edwards (2025). Women in CLIFF-GRADS: Tips on How to Apply.

2025 **United Nations/SKAO Workshop on Dark and Quiet Skies for Science and Society**, jointly organised by the United Nations Office for Outer Space Affairs (UNOOSA) and the Square Kilometre Array Observatory (SKAO), held at Vienna International Centre (VIC), Vienna, Austria, 9-12 December 2025. Session 4 - role of academia and governmental organisations to foster mitigation actions. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2025/UN-SKAO-dark-and-quiet-skies-2025.html> ; <https://indico.skatelescope.org/event/1307/timetable/#20251210.detailed>

Paper Presented: *Funmilola A. Oluwafemi, Ropo A. Olubiyi (2025). Mitigating Light Pollution from Satellites: Materials and Technologies Needed for Sustainable Space Environment. (Review presentation)

2025 **"Workshop for the Validation of Recommended Priorities for Action on Food Safety"** to the National Food Safety Management Committee (NFSMC) in Nigeria, held at Stratton Hotel, Asokoro, Abuja, Nigeria, 1-3 December, 2025. Rapporteur team member.

2025 **The 4th Voice of Women in the Development of Agriculture (VOWDA) Digital Conference and Workshop on Smart, Sustainable Agriculture and Agribusiness;** theme "Enhancing Sustainable Food Security: Women in STEM, Smart Agriculture, and Technological Innovation", 29-30 October, 2025. <https://www.vowda.org/wp-content/uploads/2025/10/BOOK-OF-ABSTRACTS-updated-Oct.-28.pdf> (Pg. 12 and 18).

Papers Presented:

1. Marvellous M. Oluwafemi*, Charles Aboagye, John J. Baidoo, Funmilola A. Oluwafemi, Emmanuel Y. Asuamah (2025). Optimizing Biogas Production from Cocoa Pod Husk through Alkaline Pre-treatment. (Research presentation)
2. Marius Onuorah, Funmilola A. Oluwafemi*, Afolabi R. Olubiyi, Babatunde A. Rabiou (2025). Smart Agriculture for a Secure Future: The Critical Role of Women and Youths in STEM. (Review presentation)

- 2025 **United Nations/Nigeria Workshop on the International Space Weather Initiative:** Space Weather During a Moderate Solar Cycle #25, Organized by the United Nations Office for Outer Space Affairs (UNOOSA) and National Space Research and Development Agency (NASRDA), Supported by The International Committee on Global Navigation Satellite Systems (ICG), held at Obasanjo Space Centre, Abuja, Nigeria, 6-10 October, 2025. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2025/united-nations-nigeria-workshop-on-the-international-space-weather-initiative-2025.html>
Paper Presented: *Adetoun Helen Akinlami, **Funmilola A. Oluwafemi**, Babatunde Rabi, Samuel Ogunjo (2025). Influence of Microgravity on the Rotational Directions and Physicochemical Characteristics of Maize Grains. (Research presentation)
- 2025 76th International Astronautical Congress (IAC), Sydney, Australia, 29 September - 3 October, 2025. <https://www.iafastro.org/events/iac/international-astronautical-congress-2025/>
Papers Presented:
1. **Funmilola A. Oluwafemi**, Ropo A. Olubiyi, Benjamin G. Ayantunji, Gbolaga Olanrewaju, Beverley C. Saungweme, Kimia Seyedmadani, Ebere Anya, *Kumbirai N. Matingo (2025). Microgravity Platforms as Biotechnology Scaffolds for Socio-Economic Benefits: The Health Implications. IAC-25,A1,IP,15,x97357. (Review presentation; Scopus indexed)
 2. Beverley C. Saungweme, **Funmilola A. Oluwafemi**, *Muongeni T. Manda, Charlynnep Jekposgei (2025). Lessons from the African Union's Space Policy: Bridging the Gap Between Aspiration and Implementation. IAC-25,E11,IP,46,x95194. (Review presentation; Scopus indexed)
- 2025 **Women in Synthetic Biology Africa (WiSBA) Mentorship Program.** Theme: Leadership and Emotional Intelligence (leadership strategies, teamwork, and handling challenges), 24 August, 2025 at 8pm WAT. https://www.linkedin.com/posts/dr-funmilola-oluwafemi-0026bb251_did-you-know-there-are-4-major-types-of-quotients-activity-7373312151786172416-jS3K?utm_source=share&utm_medium=member_desktop&rcm=ACoAAD433UIBFR5iQEmc2ib6WuMVB9V34q5map0
Paper Presented: Emotional Intelligence: The Secret to Effective Leadership. (Review presentation)
- 2025 **Office of the Campus Director, Female Law Students (FLF), Enugu State University of Science and Technology (ESUT) Chapter,** Agbani, Enugu State, Nigeria presents webinar titled "Wellness Revolution: Redefining Women's Health", and Theme "Mental, Sexual, Gynecological, Reproductive and Lifestyle Factors of Women", 22-24 August, 2025, 7-9pm WAT.
Paper Presented: Lifestyle factors: Nutrition and Physical Activities in Relation to Sickneses and Diseases. (Review presentation)
- 2025 **Third Annual International Space Ungana 2025,** Cosmopolitan University, Abuja, Nigeria, 19 – 26 July, 2025. As the Africa Union (AU) has declared Swahili to be the first indigenous African Language as an official language of the AU; Ungana in KiSwahili mean 'gather'. Space Ungana is for advancing space research and education in Africa. Speaker under the segment "African Excellence: Collaborative Space Research in STEM and Beyond". <https://spaceungana.org/>
Paper Presented: Microgravity Research: A Means for Africa's Reformation (**Lightning Talk**). (Review presentation)
- 2025 **Experts and Stakeholders Regional CropWatch Training Workshop** titled "Empowering Agriculture Extension Workers for Food Security: The Role of CropWatch Innovative Cooperation Programme (ICP) in Enabling Agricultural Monitoring and Stabilizing Food Productivity in West Africa, held 1-3 July 2025 at Hawthorn Suites, Garki 11, Abuja, Nigeria. It was an hands-on event. CropWatch ICP mean The Global Agricultural Conditions Remote Sensing Early Report System (CropWatch) Innovative Cooperation Programme (ICP). This event was hosted by National Space Research & Development Agency (NASRDA) as a premier institution for space science and technology, buttressing on the fact that food insecurity remains a pressing issue across West Africa with millions affected by climate variability, land degradation, and inefficient agricultural practices. Agricultural extension workers play a critical role in disseminating information to smallholder farmers on modern, climate smart agricultural techniques aimed at improving productivity and sustainability. <https://tribuneonline.ng/nasrda-anso-aircas-partner-to-train-agriculture-workers-on-cropwatch-system-use/>
- 2025 **Space Education Expert** for SpaceVrse, From Biochemistry to Space: Nigerian Astrobiologist. Prelude: <https://www.youtube.com/watch?v=BSxxANB48xY> (Podcast).
- 2025 **Food Safety and Regulation Stakeholders Engagement Meeting (Fact Finding Workshop),** Chelsea Hotel's Conference Hall, Central Area, Abuja, Nigeria, 13 May, 2025. Workshop was powered by EU-AU Partnership for–Resilient, Inclusive and Safe-food System for Everyone (UP–RISE). UP–RISE is a project of African Union Development Agency-New Partnership for Africa's Development (AUDA-NEPAD). Project contributes to improving public health. Nigeria's focus is on fermented food (e.g. kunun zaki) value chains, vulnerable to mycotoxin. Mycotoxin is produced by certain types of fungi (molds), contaminate food, crops, feed, posing health risks to humans/animals. Aflatoxin (mycotoxin type) is harmful to humans/animals if ingested and causes liver damage, cancer and immune system suppression.
 Workshop theme: Country situational analysis (SITAN) to inform development of food safety/mycotoxin regulatory model for informal and formal food sectors in five AU Member States – Nigeria, Benin, Cote d'Ivoire, Kenya, South Africa. Workshop objectives: UP-RISE will contribute to improving and strengthening African Food Safety System focusing on value chains of fermented foods with high economic relevance and/or nutritional importance in local diet, prone to mycotoxin contamination, thus compromising food safety and contributing to long-term adverse human health impacts in Africa.

- 2025 **Space Education Expert** for Space MarketPlace (SpaceTech in Gulf) Webinar on “SpaceTech in Agriculture: Advancing Sustainability and Ensuring Food Security”, 2pm UK Time, 15 April, 2025. https://www.linkedin.com/posts/spacetechn-gulf_webinar-announcement-spacetechn-in-activity-7317039936770076672-Yozl/
Paper presented: Space Technology in Support of Earth's Agriculture: A Key to Space Sustainability.
- 2025 **Space Policy Expert** for Space Generation Advisory Council (SGAC), International Day of Human Spaceflight, a continental roundtable Webinar. 1pm – 2:30pm WAT (UTC+1), 12 April, 2025. https://www.linkedin.com/posts/space-generation-advisory-council_sgac-nigeria-ghana-activity-7315166542176923648-Sj8z/
Topic of Webinar: Politics, Regulations, and Funding: Is Africa Finally Ready for Human Spaceflight?.
- 2024 The ScienceOverse Experts Panel (TSEP) Episode 3. TSEP is a YouTube Live series of podcasts, featuring esteemed industry experts from various scientific fields. 3 November, 2024, 9:00pm IST. <https://youtu.be/plIJJoOd048> ; <https://www.linkedin.com/company/scienceoverse/>
Paper Presented: Funmilola Oluwafemi (2024). Space Life and Microgravity Research (Review presentation).
- 2024 75th International Astronautical Congress (IAC), Milan, Italy, 14-18 October, 2024. <https://www.iac2024.org/index.html>
Papers Presented:
1. **Funmilola A. Oluwafemi**, Adetoun H. Akinlami, Babatunde A. Rabi, *Lily R. Asongfac (2024). Improved Morphology and Biochemical Properties of Carrot's Roots After Simulated Microgravity Impact. IAC-24,A1,IP,31,x88977. (Research presentation; Scopus indexed)
 2. **Funmilola A. Oluwafemi**, Umang Jain, Daniella Factor, Kristi Acuff, Karthika R. Ramdoss, Lina Rico, James Lai, Nazmus Sadat, *Roshaan Nadeem (2024). The Socio-Economic Benefits of Gravity Variation Researches: A Case Study of Terrestrial Microgravity Platforms, Methods, and Examples for Life Sciences. IAC-24,E3,3,10,x83347. (Review presentation; Scopus indexed)
 3. **Funmilola A. Oluwafemi**, Precious Debo-Ajagunna, Ropo A. Olubiyi, Tolulope Olayinka, Beverley C. Saungweme, Ruvarashe M. Muwonde, Florence Ibrahim, Dunamis Akande, *Asma Betteka (2024). Mycotoxicological Studies Under Microgravity: An Innovation for Food Safety and Security. IAC-24,A1,8,12,x83344. (Review presentation; Scopus indexed)
 4. *Beverley C. Saungweme, Ilya V. Kudryavtsev, Maxim V. Brungardt, Philippa V. Udi, Ramson M. Nyamukondiwa, **Funmilola A. Oluwafemi** (2024). Analysis of the Impact of Thermal and Structural Dynamics on the Performance and Stability of Waveguides in Space-Based Communication Systems. IAC-24,B2,IP,43,x81989. (Research presentation; Scopus indexed)
- 2024 United Nations Office for Outer Space Affairs (UNOOSA)/Brazilian Space Agency; Space Economy Masterclass Course, Session 5: Space Applications for Sustainable Development (Online), 26-27 September, 2024. <https://www.unoosa.org/oosa/en/ourwork/topics/space-economy/space-economy-masterclass.html>
Paper Presented: Funmilola Oluwafemi (2024). Microgravity Application: An Avenue to Boost Plant Growth and Nutrient for Economic Prosperity. (Review Presentation)
- 2024 SpaceTech in Gulf Webinar on “Exploring Advancements in the African Space Industry”, Saudi Arabia, 4pm KSA, 15 February, 2024. https://open.substack.com/pub/spacetechn-gulf/p/exploring-advancements-in-the-african?r=3g4yw7&utm_campaign=post&utm_medium=email ; <https://youtu.be/tqDQuuRK98Y>
Paper Presented: Funmilola Oluwafemi (2024). Microgravity Platforms: Avenues for the Transformation of Africa (Podcast). (Review presentation)
- 2024 Workshop on Human Research Program for Civilians in Spaceflight and Space Habitation (HRP-C), International Association for the Advancement of Space Safety (IAASS) with The Aerospace Corporation, Global Spaceport Alliance, Oklahoma State University, Tulsa, Oklahoma, USA, 23-24 January, 2024. <https://go.okstate.edu/aerospace/site-files/iaass/2024-iaass-workshop-agenda-final-1-19.pdf> ; <https://lnkd.in/en8uJAFM> ; <https://go.okstate.edu/aerospace/site-files/iaass/iaass-program-1.pdf> ; https://www.linkedin.com/posts/fathikarouia_iaass-workshop-oklahoma-state-university-activity-7155478150246748160-Kwpr?utm_source=share&utm_medium=member_android ; <https://go.okstate.edu/aerospace/iaass.html>
Paper Presented: Funmilola Oluwafemi (2024). Isolation, confinement and distance from Earth. (Review Presentation)
- 2023 United Nations / Austria World Space Forum on “Space 4 Our Common Future” by United Nations Office for Outer Space Affairs (UNOOSA), Vienna International Centre (VIC), Vienna, Austria, 12-14 December, 2023. <https://www.unoosa.org/oosa/en/ourwork/world-space-forum/2023/world-space-forum-2023.html>
- 2023 74th International Astronautical Congress (IAC), Baku, Azerbaijan, 2-6 October. 2023. <https://www.iafastro.org/events/iac/iac-2023/>
Papers Presented:
1. **Funmilola A. Oluwafemi**, Andargachew Gedebo, Amsalu Gobena, Meseret Tesema, Ropo Olubiyi, Oluwafemi A. Adeleke, Tosin A. Oyewole, Lily R. Asongfac, Aarthur V.T. Jayachandran, *Beverley Chelsea Saungweme (2023). Relationship Between Space Activities and Climate Smart Agriculture: The Soil Biochar Influence On Root Anatomy and Nodulation of Common Bean Genotypes. IAC-23,B1,6,8,x75774. (Research presentation; Scopus indexed)
 2. **Funmilola A. Oluwafemi**, Ropo A. Olubiyi, Babatunde A. Rabi, Oluwafemi A. Adeleke, Aarthur V.T. Jayachandran, Aya Hesham, *Yumna Majeed (2023). Microgravity Applications in Pharmacy for Protein Therapeutics. IAC-23-A1,IP,17,x75831. (Review presentation; Scopus indexed)
 3. **Funmilola A. Oluwafemi**, Umang Jain, Daniella Factor, Kristi Acuff, Karthika R. Ramdoss, Lina Rico, James C-Y. Lai, Muhammad N. Sadat, *Ivy Mayor (2023). The Benefits of Gravity Fields Variation on Fluids and Materials: The Review. IAC-23-A2,4,8,x75904. (Review presentation; Scopus indexed)

4. *Beverley Chelsea Saungweme, Gift Saungweme, Darlington Madaka, **Funmilola Oluwafemi**, Valeria Evgenievna Kuznetsova (2023). Assessment of diminishing terrestrial and sub-terrestrial resources in Zimbabwe: A case study of Zimbabwean freshwater bodies, present and future. IAC-23,B1,6,8,x75774. (Research presentation; Scopus indexed)
- 2023 5th International Anatolian Scientific Research Congress (**Hybrid**), Hakkari, Turkiye, 21-23 July, 2023. <https://www.discoveranatolia.org/>
Paper Presented: *Ozoemena E. Eje, **Funmilola A. Oluwafemi**, Chinekwu S. Onoyima, Jude O. Uzoechina, Gbotemi J. Oni, Chimeremmma V. Ogbonna, Chetachi J. Onyiriuka, Nkemdilim S. Ozioko (2023). Strain Specificity in Prion Infection: A review. (Review presentation)
- 2023 2nd United Nations Office for Outer Space Affairs (UNOOSA) Space4Water Stakeholder Meeting (**Online**), 11-12 May, 2023. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2023/2nd-space4water-stakeholder-meeting.html>
Paper Presented: ***Funmilola A. Oluwafemi** and Ropo A. Olubiyi (2023). Space Technology and Water Professionals for Water Resource Management. (Review presentation)
- 2022 United Nations / China 2nd Global Partnership Workshop on Space Exploration and Innovation (**Hybrid Event**) by United Nations Office for Outer Space Affairs (UNOOSA) and China National Space Administration (CNSA), China, 21-24 November 2022. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2022/un-china-workshop.html>
Paper Presented: ***Funmilola Oluwafemi** and Ropo Olubiyi (2022). The Vitality of Lunar Exploration for All Deep Space Human Missions: The Socio-Economic Benefits. (Review presentation)
- 2022 International Workshop on Geospatial Sciences, Environmental Management and Security in Africa. African Regional Institute for Geospatial Science and Technology (AFRIGIST), Obafemi Awolowo University Campus, Ile-Ife, Nigeria., 18-20 October, 2022.
Paper Presented: **Oluwafemi F.A.**, Olubiyi, R.A., *Adeleke, O.A., Ola-Fadunsin, F.J., Ologun-Adeleke, M.A. (2022). Remote Sensing Application in Agricultural Water Management: Example from Africa (AFRIGIST/IW2022/065). (Review presentation)
- 2022 73rd International Astronautical Congress (IAC), Paris, France, 18-22 September, 2022. <https://iac2022.org/>
Paper Presented: **Funmilola A. Oluwafemi**, Paul O. Jaiyeola, Babatunde A. Rabi, Adhithiyar Neduncheeran, Andrea De La Torre, *Luisa E.G.R. Vazquez (2022). Effects of Reduced Gravity Investigations on Root Developments and Biochemical Characterization: A Case Study of Cucumber Farming on the Moon. IAC 22,A2,4,12,x71068. (Research presentation)
- 2022 United Nations/ International Astronautical Federation (IAF) 29th Workshop on Space Technology for Socio-Economic Benefits “Access to Space for All: Bridging the Space Divide”, Paris Convention Centre, 1 PL de la PRTE de Versailles, Paris, France, 16-17 September, 2022. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2022/un-iaf-workshop.html> ;
<https://www.unoosa.org/documents/pdf/psa/activities/2022/UN-IAF/UN-IAF-Programme-Workshop-SpaceTechnologyforSocioeconomicBenefits.pdf> ;
<https://www.unoosa.org/documents/pdf/psa/activities/2022/UN-IAF/UNIAF-Workshop-Booklet-0922.pdf> ;
<https://www.iafastro.org/events/un/iaf-workshop.html>
Paper Presented: ***Funmilola Oluwafemi**, Omodele Ibraheem, Benjamin Ayantunji (2022). Microgravity Ground Facility Experimentation on Root Developments and Biochemical Characterization of Selected Vital Crops. (Research presentation)
- 2022 Second Biennial Africa Climate-Smart Agriculture (CSA) Stakeholders Conference (**Hybrid Event**) hosted by Forum for Agricultural Research in Africa (FARA), Accra, Ghana, 14-16 September, 2022. https://www.up.ac.za/arua-centre-of-excellence-in-sustainable-food-systems/news/post_3079458-call-for-papers-biennial-africa-climate-smart-agriculture-stakeholders-conference-2022
Paper Presented: **Funmilola Oluwafemi**, Andargachew Gedebo, Amsalu Gobena, Meseret Tesema, Omodele Ibraheem, Olubiyi Ropo (2022). Climate-Change Mitigation: A Case Study of Soil Biochar Influence on Morpho-physiology of Crop Species and Genotypes. (Research presentation)
- 2022 Educational Psychology and Astronomy for Mental Health and Wellbeing (**Hybrid Event**), Ulaanbaatar, Mongolia, 19-20 May, 2022. <https://sas.num.edu.mn/EP Astronomy/>
Paper Presented: ***Funmilola A. Oluwafemi**, Ropo A. Olubiyi, Oluwafemi Adeleke. The Outer Space Arena: Solutions Proffered for Psychology Implications on Space Explorers as a Model for the Isolation and Quarantine for Covid-19 Pandemic. (Review presentation)
- 2022 United Nations/Ghana/Prince Sultan Bin Rashid Abdulaziz International Prize for Water (PSIPW) 5th international conference on the use of space technology for water resources management (**Hybrid Event**), supported by the Inter Islamic Network on Space Sciences and Technology (ISNET), Accra, Ghana, 10-13 May 2022. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2022/un-Ghana-water-schedule.html>
Paper Presented: ***Funmilola A. Oluwafemi** and Ropo A. Olubiyi. Space Technology: A Valuable Tech for Water Sector (**Lightning Talk**). (Review presentation)
- 2022 Network of Researchers on the Chemical Evolution of Life (NoRCEL) Astroscience Exploration Network (ASEN) Inaugural **Online** Conference 12-13 April, 2022. Theme “Astroscience and Related Subjects. <https://norcel.net/asen-2022-conference/>
- 2022 Ocean Plastics Workshop (**Virtual**): The Future of Ocean Plastics: Designing Diverse Collaboration Frameworks. Session Themes: “Innovative Technologies to Monitor and Mitigate Ocean Plastics, Interactive Discussion: Day 2 and 2-3:30 pm GMT + 2”, 5-7 April, 2022.
Paper Presented (Poster): **Funmilola Oluwafemi**. Using Space Technology and Advocacy of the Right Policies and Actions to Mitigate Ocean Plastic Menace. (Review presentation)
- 2022 Ministry of Space Education, Antarexxa Space Global “**Online** Moon Camp 2022, Session 13: Space Farming” in conjunction with NASA’s Artemis lunar exploration program, 19th February 2022.

- Space Educator (Event Educator): Funmilola Oluwafemi.** Farming in Microgravity and Reduced Gravity Environment. (Research presentation)
- 2021 72nd International Astronautical Congress (IAC), Dubai, United Arabs Emirates (UAE), 25-29 October, 2021. <https://www.iafastro.org/events/iac/iac-2021/>
- Paper Presented: Funmilola A. Oluwafemi,** Adhithiyan Neduncheran, *Rohan Chandra. Space Radiation in a Long-Term Human Missions: Risk Assessment on the Moon and its Impact on the Plants. IAC-21,A1,5,8,x67030. (Review presentation)
- 2021 The Maiden Edition of the Women in Agriculture Symposium 2021 (**Virtual**) – “Capacity Building for Women in Agriculture and Smallholder Farmers” by Voice of Women in the Development of Agriculture (VOWDA) in conjunction with the International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria, 14-15 October, 2021. <https://www.vowda.org/wp-content/uploads/2021/10/Final-Program-VOWDA-Symposium-10122021-public.pdf>
- Papers Registered:**
1. **Funmilola A. Oluwafemi** and Omotayo O. Oyewole. Observation and Measurement of the Growth Changes of Rice Shoots Under Gravity and Microgravity. (Research presentation)
 2. **Funmilola A. Oluwafemi,** Bolanle M. Olalekan-Ajayi, Babatunde Rabi, Omodele Ibraheem, Helen A. Lawal-Akinlami. Microgravity Research in Biology and Biochemistry of Plants. (Review presentation)
- 2021 American Astronautical Society (AAS); The 14th Annual Wernher von Braun Memorial Symposium, The University of Alabama in Huntsville in conjunction with NASA Marshall Space Flight Center, National Space Club – Huntsville, the University of Alabama in Huntsville, United States, 12-14 October, 2021. <https://www.uah.edu/news/news/uah-hosting-the-14th-annual-wernher-von-braun-memorial-symposium>
- Paper Presented (Poster): Funmilola Oluwafemi** and Omodele Ibraheem. Utilizing Simulated Microgravity Avenue for Crop Farming Advantages. (Research presentation)
- 2021 International Congress on Global Healthcare (**Webinar**), Conference Series LLC Ltd., Scientific Program, 4 October, 2021.
- Paper Presented: Funmilola Oluwafemi.** Using Space Technology as a Remedy for Diseases Caused by Environmental Factors. (Review presentation)
- 2021 United Nations/Austria Symposium: Space Applications for Food Systems (**Virtual**), Graz, Austria, 7-9 September 2021. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2021/2021Graz.html#:~:text=The%202021%20UN%2FAustria%20Symposium,by%20the%20UN%20Secretary%20General>
- Paper Presented: *Funmilola Oluwafemi** and Omodele Ibraheem. Microgravity Simulations Platforms for Crop Farming Benefits. (Research presentation)
- 2021 United Nations/Islamic Republic of Iran Workshop on the Space Technology Applications for Drought, Flood and Water Resources Management (**Virtual**), Tehran, Iran, 9-11 August 2021. <https://un-spider.org/news-and-events/events/united-nationsislamic-republic-iran-workshop-space-technology-applications>
- Paper Presented: *Funmilola A. Oluwafemi** and Ropo A. Olubiyi. Improving the Water Sector through Space Technology for Water Resource Management. (Review presentation)
- 2021 Coastal Ocean Environment Summer School in Ghana, 26 July – 6 August, 2021.
- 2021 Centre for Atmospheric Research (CAR), Anyigba and University of Medical Sciences (UNIMED), Ondo City Joint National Workshop on Space Technologies and Health “Harnessing Space Science and Technologies to Advance National Health”, Ondo City, Nigeria, 17-20 May, 2021. https://carnsrda.com/workshop_on_space_technologies_and_health/
- Paper Presented: Funmilola A. Oluwafemi** and *Yemisi A. Jeff-Agboola. Microgravity-Environment: A Beneficial Platform for Plant Growth. (Research presentation)
- 2021 2nd International Webinar on Clinical Psychology and Psychiatry (**Virtual**), March 19-20, 2021.
- Paper Presented (Plenary Speaker): Funmilola Oluwafemi.** Space Environment Effects on Psychological Factors Experienced by Astronauts in Space: Recommendation to Improve Psychological Status; Applicable on our Planet Earth. (Review presentation)
- 2021 1st Electronic Conference on Universe (ECU) (**Virtual**): General Relativity and Gravitation Section, 22-28 February, 2021. <https://ecu2021.sciforum.net/>
- Paper Presented: Funmilola Oluwafemi.** Gravity Variation on the Growth of Maize Shoots. Sciforum-042524. (Research presentation)
- 2021 Message from Space Expert: Funmilola Oluwafemi; Space Hero Insider Program (**Online**) February, 2021.
- 2020 71st International Astronautical Congress (IAC) – The CyberSpace Edition (**Virtual**), 12-14 October, 2020. <https://www.iafastro.org/events/iac/iac-2020/>
- Paper Presented: Funmilola Adebisi Oluwafemi** and *Adhithiyan Neduncheran. Real and Simulated Microgravity Platforms: Their Individual Capacities, Benefits and Limitations. IAC-20-A2,5,10,x56924. (Review presentation)
- 2020 United Nations/Austria Symposium: “Space Applications for Sustainable Development Goal 13: Climate Action” (**Virtual**), Graz, Austria, 1-3 September, 2020. <https://www.unoosa.org/oosa/en/ourwork/psa/schedule/2020/2020Graz.html#:~:text=The%202020%20UN%2FAustria%20Symposium,the%20Sustainable%20Development%20Goals%20framework>
- Paper Presented (Short Pitch): Funmilola Adebisi Oluwafemi.** Using Space Technology to Combat the Role of Microplastics in Climate Change. (Review presentation)
- 2020 Ghana Summer School on the Coastal Ocean Environment (**Virtual**), University of Ghana, Accra, Ghana, 3-8 August, 2020.
- 2019 United Nations /Austria World Space Forum: ‘Access to Space for All’, Vienna International Centre (VIC), Vienna, Austria, 18-22 November, 2019. https://www.unoosa.org/documents/pdf/WSF/2019/Documents/Final_Programme.pdf ; <https://www.unoosa.org/oosa/en/ourwork/world-space-forum/2019/world-space-forum-2019.html>

- Paper Presented (Poster): *Funmilola Oluwafemi**, Ropo Olubiyi, Omodele Ibraheem. Space Environment: A Classical Study for All Research Fields. (Research presentation)
- 2019 70th International Astronautical Congress (IAC), Washington, D.C, United States, 21-25 October, 2019. <https://www.iafastro.org/events/iac/iac-2019/>
- Papers Presented:**
1. **Funmilola A. Oluwafemi**, Adhithiyar Neduncheran, *Shaun Andrews (2019). Investigations into Cotton Growth on the Moon: Extrapolation of Growth Rate from Microgravity Simulations and Earth Gravity. IAC-19-A2,4,11,x49538. (Research presentation)
 2. Appadoo Kevin, Ali Nuria, Abdalla Hanadi, **Oluwafemi Funmilola Adebisi**, Nikam Omkar, *Noruthun Hansley, Obafaye Aderonke Adekemi, Oorah Keshav, Olugbemiro Opeyemi, Venugopal Ramasamy (2019). Building the Africa we want: The role of Space Generation Workshops & youth in developing the space sector in Africa. IAC-19,E1,5,7,x53024. (Review presentation)
 3. **Funmilola A. Oluwafemi**, Adhithiyar Neduncheran, Shaun Andrews, *Di Wu (2019). Methods of Seeds Planting in Space: Soilless or Not. IAC-19,A1,8,12,x48743. (Review presentation)
 4. Bal Dhital, **Funmilola Adebisi Oluwafemi**, Rayan Abdelbaki, James Lai, S.xian Toh Ariel, Sixtine Maisonnave, Esther Afolayan, Jose Mora, Bolanle Olalekan-Ajayi, Andrea de la Torre Aceves, Faith Tng (2019). Review of Potential Exacerbating Factors for Spaceflight-Associated Neuro-Ocular Syndrome (SANS) and Exploration of Mitigation Strategies. IAC-19,A1,4,12,x48845. (Review presentation)
- 2019 Centre for Satellite Technology Development (CSTD) Week, 9th CSTD Annual Space Conference at National Space Research and Development Agency (NASRDA), Abuja, Nigeria, 20-21 August, 2019.
- Papers Presented:**
1. **Funmilola A. Oluwafemi**, Elizabeth Aregbe, Omede Ameh, *Funmitan Oyetunde, Empress O. Okhuelegbe, Ropo A. Olubiyi, Oluwafemi A. Adeleke, Omodele Ibraheem, Olufemi A. Agboola. Space as a Classic Environment for Microscopic and Anatomical Studies. (Research presentation)
 2. **Funmilola A. Oluwafemi**, *Augustine O. Otum, Oladunjoye S. Tomori, Ropo A. Olubiyi, Oluwafemi A. Adeleke. Space as a Microgravity Platform for Bone-Studies. (Research presentation)
 3. **Funmilola A. Oluwafemi**, Ropo A. Olubiyi, Winifred A. Nwachukwu, *Abubakar Adamu, Jeffree Leleji, Ifeanyichukwu Ezech, Oluwafemi A. Adeleke, Olufemi A. Agboola. Microgravity-Environment: A Beneficial Platform for Plant Growth. (Research presentation)
- 2018 United Nations /Germany High Level Forum: The way forward after UNISPACE+50 and on Space2030, UN-Campus, Bonn, Germany, 13-16 November, 2018: Meeting. https://www.unoosa.org/documents/pdf/hlf/HLF2018/HLF_2018_Program_Final.pdf ; <https://www.space4water.org/events/united-nations-germany-high-level-forum>
- Paper Presented: *Funmilola Adebisi Oluwafemi** and Ropo Afolabi Olubiyi. Space Technologies Application Micros Studies in Global Health for Sustainable Development: Microgravity, Microplastics, Microbiology. (Review presentation)
- 2018 African Leadership Conference (ALC), 7th Edition: Implementation of the African Space Policy and Strategy (ASPS) Abuja, Nigeria, 5-7 November, 2018. <https://africanews.space/african-leadership-conference-alc-on-space-science-and-technology/>
- Paper Presented: *Funmilola Adebisi Oluwafemi** and Ropo Afolabi Olubiyi. Linkages Between Space Research and Space Policy: A Case Study of Water Resources' Management and Protection. (Review presentation)
- 2018 69th International Astronautical Congress (IAC), Bremen, Germany, 1-5 October, 2018. <https://www.iafastro.org/events/iac/iac-2018/>
- Papers Presented:**
1. **Funmilola Adebisi Oluwafemi**, Andrea De La Torre, Esther Morayo Afolayan, Bolanle Magret Olalekan-Ajayi, Bal Dhital, Jose G. Mora-Almanza, George Potrivitu, Jessica Creech, Aureliano Rivolta, *Adhithiyar Neduncheran (2018). Space Food and Nutrition in a Long-Term Manned Mission. IAC-18,A1,IP,40,x44094. (Research presentation)
 2. **Funmilola Adebisi Oluwafemi**, Bal Dhital, Esther M. Afolayan, Rayan Abdelbaki, *Andrea De La Torre, Bolanle M. Olalekan-Ajayi, Jose G. Mora-Almanza (2018). Astronautical Hygiene: A Communal Discipline to Space Medicine and a Preventive Measure to Space Diseases. IAC-18,A1,3,16,x44086. (Review presentation)
 3. *Laura Bettiol, Guzel Kamaletdinova, Divyesh Patel, Yasith Lakmal, **Funmilola Oluwafemi**, Andrea De La Torre, Uthpala Heshani, Robin Kumar Singh (2018). Manned Mars Mission Risks Evaluation. IAC-18,B3,9-GTS.2,5,x45079. (Review presentation)
 4. Aurthur Vimalachandran Thomas Jayachandran, **Funmilola Adebisi Oluwafemi**, Yair Israel, *Abraham Tobiloba Akinwale (2018). Space Mining Corporation: The Pseudo-Economic and Technology Model. IAC-18,A3,IP,48,x43397. (Review presentation)
- 2018 United Nations / Austria Symposium on "Space for the Sustainable Development Goals", co-organized by the United Nations Office for Outer Space Affairs; Austrian Ministry for Transport, Innovation and Technology; Austrospace European Space Agency; German Aerospace Center DLR; Graz University of Technology; NPOC Space Law; State of Styria; and the City of

https://www.unoosa.org/documents/pdf/psa/activities/2018/UN_Austria_Symposium/UN_Austria_Symp_Program_draft.pdf

Paper Presented (Poster): *Funmilola Adebisi Oluwafemi and Ropo Afolabi Olubiyi. Space Global Data and Technology Access, Partnership and Cooperation: For Industry, Innovation and Infrastructure. (Review presentation)

2018 Centre for Satellite Technology Development (CSTD) Week, 8th CSTD Annual Space Conference at National Space Research and Development Agency (NASRDA), Abuja, Nigeria, 14-15 August, 2018. <https://cstdweek.wordpress.com/cstd-week-2018/>

Papers Presented:

1. ***Funmilola Adebisi Oluwafemi** and Ropo Afolabi Olubiyi. Selected Space Technologies Application for Water-Quality in Sustainable Development. (Review presentation)
2. Stanley U. Akpu*, Christiana B. Akomolafe, **Funmilola A. Oluwafemi**, Bitiyong J. Billyok, Empress O. Okhuelegbe, Kemi B. Doherty, Olufemi A. Agboola. Microgravity Simulation of Plant Growth and its Implications to the Sustainable Development Goals. (Research presentation)
3. ***Funmilola Adebisi Oluwafemi** and Ropo Afolabi Olubiyi. Corn Seeds Growth Investigation Under Simulated Microgravity: The Light Interactions. (**Poster** Presentation) (Research presentation)

2018 Conference on the Complex Interactions of Light and Biological Matter: Experiments meet Theory, International Centre for Theoretical Physics (ICTP), Trieste, Italy, 21-25 May, 2018. <https://indico.ictp.it/event/8293/>

Paper Presented (Poster): Oluwafemi Funmilola Adebisi. Light Interactions on Corn Seed Growth under Simulated Microgravity. (Research presentation)

2018 United Nations/Pakistan Conference on “Space Technology for Water Management” (4th International Conference), co-organized by the United Nations Office for Outer Space Affairs, the Government of the Islamic Republic of Pakistan and the Prince Sultan Bin Abdulaziz International Prize for Water (PSIPW), with the support from the Inter Islamic Network on Space Sciences and Technology (ISNET), Islamabad, Pakistan, 26 February-2 March, 2018.

<https://www.unoosa.org/osa/en/ourwork/psa/schedule/2018/un-pakistan-water.html>

Paper Presented: *Oluwafemi Funmilola Adebisi and Olubiyi Ropo Afolabi. Microplastics as Environmental Stressor and Treat to Human and Sea Life. (Review presentation)

2017 1st National Workshop on Microgravity and Environmental Research, “Microgravity and Environmental Research for Sustainable Development”, hosted by Centre for Atmospheric Research (CAR), of National Space Research and Development Agency (NASRDA), Anyigba, Nigeria, 26-29 November, 2017. https://carnasrda.com/microgravity_workshop/ ; <https://carnasrda.com/2018monograph/>

Papers Presented:

1. ***Oluwafemi Funmilola Adebisi**, Oke Aliyu Bamidele, Afolayan Esther Moradeke. Investigation of Watermelon Seeds Growth Under Simulated Microgravity and its Advantages to Agriculture Sector. (Research presentation)
2. ***Afolayan Esther Moradeke, Oluwafemi Funmilola Adebisi**, Oke Aliyu Bamidele. Space Based Technologies: A Solution to Food Security on Earth. (Review presentation)
3. ***F.A. Oluwafemi**, D. Patel, Y. Lakmal, A. De La Torre, G.R. Kamaletdinova, J. Lousada. Microgravity Effects in a Long Term Manned Mission. (Review presentation)
4. **Oluwafemi Funmilola A.** My Ventures into Microgravity Science (Poster Presentation). (Review presentation)
5. ***Olalekan-Ajayi B.M, Oluwafemi F.A.** Microgravity Research in Biology and Biochemistry of Plants. (Review presentation)
6. ***Popoola Isiaka Olamilekan, Doherty Kemi B., Afolayan Esther M., Oluwafemi Funmilola A., Mark Abel.** Benefits of Remote Sensing in Agriculture. (Review presentation)
7. Omotayo O. Johnson, **Funmilola A. Oluwafemi**, ***Orukpe Alex**, Yemisi Jeff-Agboola. Space Food Technology: An Overview. (Review presentation)

2017 First African Space Generation Workshop (1st AF-SGW), “Space: The Driver of the Desired Future in Africa”, hosted by Centre for Space Research and Applications (CESRA), Federal University of Technology Akure (FUTA), Akure, Nigeria, 16-17 November, 2017. <https://zumalo.com/epic/nigeria-hosts-1st-african-space-generation-workshop/>

2017 United Nations/United Arab Emirates (UAE) High Level Forum “Space as a driver for socio-economic sustainable development” organized by United Nations Office for Outer Space Affairs and the UAE, hosted by UAE Space Agency and the Mohammed Bin Rashid Space Centre, Dubai, UAE, 6-9 November, 2017: Meeting. <https://spacewatch.global/2017/11/day-1-un-high-level-forum/>

Paper Presented: Funmilola Oluwafemi. Microgravity Research and Applications: Roles in Economic Prosperity and Poverty Reduction. (Review presentation)

2017 Career Development Workshop for Women Scientists, International Centre for Theoretical Physics (ICTP), Trieste, Italy, 9-13 October, 2017. <https://indico.ictp.it/event/7995/>

2017 68th International Astronautical Congress (IAC), Adelaide, Australia, 25-29 September, 2017.

<https://www.iafastro.org/events/iac/iac-2017/>

Paper Presented: J. Lousada, G. R. Kamaletdinova, D. Patel, Y. Lakmal, **F. A. Oluwafemi**, A. De La Torre, U. Heshani, M. P. Onevsky, S. A. Skvortsov (2017). Approaches and Solutions for Martian Spacesuit Design. IAC-17,A5,IP,8,x40204. (Review presentation)

2017 Nigerian Women in Agricultural Research for Development (NiWARD), 5th National Conference/Exhibition and Annual General Meeting, Abeokuta, Nigeria, 12-15 September, 2017. <https://niward.org/2017-programme>

Paper Presented: Oluwafemi Funmilola Adebisi, ***Johnson Opeyemi Omotayo**, Jeff-Agboola Yemisi Adefunke, Jeff-Agboola Excel Oluwajomiloju, Olusegun Timilehin. Gravity Variation Effects on the Growth of Cotton Root. (Research presentation)

- 2017 Centre for Satellite Technology Development (CSTD) Week 2017, Abuja, Nigeria, 22-23 August, 2017.
Paper Presented: *Afolayan Esther Moradeke, **Oluwafemi Funmilola Adebisi**, Jeff-Agboola Excel Oluwajomiloju, Oluwasegun Timilehin. Socio-Economic Benefits of Microgravity Research. (Review presentation)
- 2017 International Academy of Astronautics, 10th IAA symposium on the future of space exploration: Towards the moon village and beyond, Torino, Italy, 27-29 June, 2017. <https://spacegeneration.org/wp-content/uploads/2018/10/SGAC-Executive-Summary-2017.pdf>
Paper Presented: Joao Lousada, Guzel Kamaletdinova, Yasith Lakmal, Divyesh Patel, **Funmilola Adebisi Oluwafemi**, Andrea De La Torre, Istvan Revesz, Aureliano Rivolta (2017). Mars Space Suit Safety. (Review presentation)
- 2017 Nigerian Society for Experimental Biology of Nigeria (NISEB), 17th Annual Scientific Conference/AGM, University of Ibadan, Ibadan, Nigeria, 13-16 June, 2017.
Paper Presented: **Funmilola Adebisi Oluwafemi**, *Omotayo Opeyemi Johnson, Alex Osaghale Orukpe. Investigation of Root-curvature and Growth-rate of Corn under Gravity and Microgravity Environment. (Research presentation)
- 2016 6th National Conference of Astronomical Society of Nigeria (ASN), Abuja, Nigeria, 9-12 November, 2016.
Papers Presented:
1. K.M. Nasir, **F.A. Oluwafemi**, A.B. Oke, H. Mai-Unguwa, B.G. Ayantunji. Analysis of the Root Curvature and Growth Rate of Cucumber after Clinorotation. (Research presentation)
 2. Abubakar Sani, Mai-Unguwa Hamisu, Ayantunji B. Gbenro, **Oluwafemi A. Funmilola**. Determination of the Concentration of Uranium and Thorium in some Proposed Space Medicinal Plants. (Research presentation)
- 2016 2016 Annual Conference of African Geophysical Society, Abidjan, Cote d'Ivoire, 7-11 November, 2016. https://afgps.org/wp-content/uploads/2016/12/AGS_2016_proceedings_Abidjan.pdf
Paper Presented: **Oluwafemi F.A.**, *Johnson, O. O., Badejo, A. A. (2016). Analysis of Root Curvature and Growth Rate of Wheat Under Gravity and Microgravity Using Clinostat. (Research presentation)
- 2016 67th International Astronautical Congress (IAC), Guadalajara, Mexico, 26-30 September, 2016.
<https://www.iafastro.org/events/iac/iac-2016/>
Paper Presented: Carlos M. Entrena Utrilla, Laura Bettiol, Jessica Piness, Istvan Revesz, **Funmilola Oluwafemi**, *João Lousada (2016). Safety Analysis of Spacesuit Design for Martian Surface. IAC 16,A5,IP,5,x33017. (Review presentation)
- 2016 Centre for Satellite Technology Development (CSTD) Week 2016, Abuja, Nigeria, 29-31 August, 2016.
Paper Presented: ***F.A. Oluwafemi**, S.B. Abubakar, A. Adamu, J.O. Leleji, I. Ezech, K.M. Nasir, S. Abubakar, H. Abdurashied, M. Akilu, D. Isokpan, E. Aregbe, F.A. Abdurashid, R.A. Olubiyi, M. Abubakar, S.O. Omale, B.G. Ayantunji, H. Mai-Unguwa, O.A. Agboola. Changes in the Germination and Growth of Cowpea after the Influence of Microgravity Using a Clinostat. (Research presentation)
- 2016 4th Biennial International Conference and Exhibition on Environmental Issues (ICEI4), Abuja, Nigeria. 17-20 April, 2016.
Paper Presented: **Oluwafemi Funmilola Adebisi**. Investigation of Growth and Biological Processes of Some Nigerian Indigenous Plants in a Microgravity Environment using a Clinostat. (Review presentation)
- 2013 Children Ministers Workshop by Living Faith Church, Amac Housing Estate, Lugbe, Abuja, Nigeria, June, 2013.
- 2010 10th Conference of Nigerian Society for Experimental Biology (NISEB), University of Ibadan, Nigeria, 7-9 September, 2010.
- 2010 2nd Unibadan Conference of Biomedical Research, with the theme "Biotechnology for Health and Development", held at the Conference Centre, University of Ibadan, Ibadan, Nigeria, 7-9 July, 2010.

SEMINARS PRESENTED

- 2026 **Results Speak: Building a Culture Where Performance is the Only Language**. Looking Ahead Training for the Teachers of Kingdom Heritage Model School (KHMS), FHA, Lugbe, Abuja, Nigeria, 23 April, 2026.
- 2025 **Family Life**, Word of Faith Bible Institute (WOFBI) held at Living Faith Church (LFC), Federal Housing Authority (FHA), Lugbe, Abuja, Nigeria, 22 July, 2025.
- 2025 **Parent-Teacher Relationship**. Looking Ahead Training for the Teachers of Kingdom Heritage Model School (KHMS), FHA, Lugbe, Abuja, Nigeria, 12 July, 2025.
- 2024 **Effects of Simulated Microgravity on Morphological Roots and Shoots Developments and Biochemical Characterization of Three Selected Essential Economic Crops** (PhD Thesis Presentation), held at the Main Auditorium Sen. (Prof.) Robert A. Boroffice Multipurpose Hall, NASRDA, Abuja, Nigeria, 20 August, 2024.
- 2024 **Cultivating Christian Ethics**, Advanced Class, Junior Bible School (JBS), FHA, Lugbe, Abuja, Nigeria. 13th August, 2024.
- 2024 **The Need for Accountability and Personal Appraisal**. Looking Ahead Training for the Teachers of Kingdom Heritage Model School (KHMS), FHA, Lugbe, Abuja, Nigeria, 19 April, 2024.
- 2023 **The Need for Knowledge and Excellence in Building a Successful Business**, Women Business Dinner 2023 Edition, theme "Building a Successful Business Model", held at Presidential Premier Hotel, FHA, Abuja, Nigeria, 27 May, 2023.
- 2023 **Simulated Microgravity Effects on Root Developments of Selected Crops: The Opportunities**, held at the Space Life Sciences Laboratory, Incubation Centre, NASRDA, Abuja, Nigeria, 3 May, 2023.
- 2023 **Content Subject Matter Depth: A Pre-requisite to Successful Teaching**. Looking Ahead Training for the Teachers of Kingdom Heritage Model School (KHMS), FHA, Lugbe, Abuja, Nigeria, 26 April, 2023.
- 2022 **Word Effect (WE)**, Junior Bible School, LFC, FHA, Lugbe, Abuja, Nigeria, 16 August, 2022.
- 2022 **Relationship Management in Our School**. Looking Ahead Training for the Teachers of Kingdom Heritage Model School (KHMS), FHA, Lugbe, Abuja, Nigeria, 5 January, 2022.
- 2021 **Living Model of the Commission**, Junior Bible School, Piazza, Hawassa, Ethiopia, 5 September, 2021.

- 2021 **The Responsible Youth**, Junior Bible School, Piazza, Hawassa, Ethiopia, 31 August to 1 September, 2021.
- 2021 **The Glorified Young: Wordless Book**, Junior Bible School, Piazza, Hawassa, Ethiopia, 30 August, 2021.
- 2021 **Putting on the Whole Armour of God**, Junior Bible School, Piazza, Hawassa, Ethiopia, 4 August, 2021.
- 2020 **Effects of Simulated Microgravity on Selected Crops**, held at the Conference Hall, NASRDA, Abuja, Nigeria, 6 August, 2020.
- 2019 **Space Life Science: An Overview (Microgravity Science)**, Engineering and Space Systems (ESS) Departmental Induction Training, NASRDA, Abuja, Nigeria.
- 2018 **Writing an Effective Curriculum Vitae**, Living Faith Church (LFC), Aco/Amac Housing Estate, Airport Road, Abuja, Nigeria, 25 November, 2018.
- 2018 **Word Effect (WE)**, Junior Bible School, LFC, FHA, Lugbe, Abuja, Nigeria. 16 August, 2018.
- 2018 **Microgravity Effect in a Long-Term Manned Mission**, held at Space Physical/Life Science Unit, Engineering and Space Systems Department (ESS) NASRDA, Abuja, Nigeria, 5 July, 2018.
- 2017 **Microgravity Research in National Space Research and Development Agency (NASRDA): An Overview**, held at the Conference Hall, NASRDA, Abuja, Nigeria, 20 July, 2017.
- 2016 **The Use of a Clinostat” and “Terms of Participation” in the United Nations Human Space Technology Initiative (UN-HST), Zero-Gravity Instrument Project (ZGIP)**, held at Space Life Science Unit, Engineering and Space Systems Department (ESS), NASRDA, Abuja, Nigeria.
- 2015 **Production of Biofuel in Microgravity Environment through Genetic Transformation of Barley**, held at Engineering and Space Systems Department, NASRDA, Abuja, Nigeria.
- 2015 **Propellant, Material Selection and Tank Design of a Cold Gas Propulsion System**, Engineering and Space Systems (ESS) Department, NASRDA, Abuja, Nigeria.
- 2014 **Power of Dream (POD)**, Junior Bible School, LFC, FHA, Lugbe, Abuja, Nigeria. 15 August, 2014.
- 2013 **Genetic Transformation of Food Plants to Survive in Mars**, Engineering and Space Systems Department, NASRDA, Abuja, Nigeria.
- 2010 **Glucose Transport Across Plasma Membrane**, a master graduate seminar, held at Biochemistry Department, University of Ibadan, Nigeria.
- 2008 **A final year undergraduate seminar**, held at Biochemistry Department, Bowen University, Iwo, Nigeria.