

SUBMISSION OF ABSTRACT

(June 10, 2024–October 15, 2024)

An extended abstract of maximum of 500 words only detailing overview/aim of work, methodology, results, conclusion and references (maximum of 5) should be submitted along with the evidence of payment (transfer details) of abstract processing fee of **three thousand Naira (N3,000)** only on the conference site (<https://www.lautechnanotech.com/files/conference.php>). **Only the extended abstracts accompanied with the evidence of processing fee would be processed.**

CONFERENCE SUB-THEMES

Nanotechnology and Disruptive Technologies
Nanotechnology in the wake of COVID-19
Nanotechnology in Developing Nations
Nanotechnology in Space Research
Nanobiotechnology, Nanoenzymes and Nanobiosensors
Nanocomputing and Nanoinformatics
Nanomachines, Nanocomposites and Nanorobotics
Nanotechnology in Agriculture and Agro-allied Industries
Nanotechnology in Environmental Quality and Safety
Nanotechnology in Food Processing, Nutrition and Safety
Nanotechnology in Medicine and Biomedicals
Nanotechnology in Fossil Fuels and Renewable Energy
Nanotechnology and Mineral Exploration
Nanotechnology in the Built Environment
Nanotechnology in Transportation
Nanotechnology and Climate Change Research
Nanotechnology in Water Treatment and Remediation
Nanotoxicity and Nanotoxicology
Policy Issues and Development in Nanotechnology
Surface Coating Technology and Packaging
Nanotechnology in Bioprocesses
Resource utilization via Nanotechnology
Nanotechnology from Lab to Market
AI and Nanotechnology
Nanotechnology in Military and Defense Systems
IPR Issues in Nanotechnology and Commercialization of nanoproducts/services
Nanoentrepreneurship
Nanotechnology Education



FEATURING:

Lectures, Demonstrations, Questions and Answers, Oral Presentations, and Networking

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WHO ARE WE?

LAUTECH Nanotechnology Research Group (NANO+) which was formed on September 4, 2014 to advance the course of research in the multidisciplinary subject of Nanotechnology at Ladoke Akintola University of Technology, Ogbomosho, Nigeria (www.lautechnanotech.com) is a formidable research team. The pioneer members were propelled by quest to conduct meaningful research in this area, and also to train manpower, thereby putting LAUTECH in a vantage position in Nanotechnology Research in Nigeria. The group has the vision of transforming LAUTECH to a centre of excellence in Nanoscience and Nanotechnology in Nigeria.

The group has drawn membership from dedicated scholars from different Departments within the University; with advanced training in Molecular Biology, Industrial Microbiology, Biotechnology, Nanotechnology, Toxicology, Biochemistry, Food Science, internal Medicine, Materials Engineering, Renewable Energy and Nanofabrication. Since 2015, members of the group have published more than one hundred and seventy (170) quality research outcomes on nanotechnology in reputable Journals and books (<http://lautechnanotech.com/files/publication.php>).

Members of the group are Prof. A. Lateef, Prof. M.A. Azeez, Prof. T.A. Yekeen, Prof. T.B. Asafa, Prof. I.C. Oladipo, Prof. E.A. Adebayo, Prof. Y.K. Sanusi, Prof. M.O. Durowoju, Dr. O. Adedokun, Prof. J.A. Badmus, Dr. M.K. Awodele, Prof. I.F. Bolarinwa, Prof. M.A. Olamoyegun and Dr. A.A. Adewale.

The research group which is headed by Prof. A. Lateef of the Department of Pure and Applied Biology, LAUTECH, Ogbomosho has successfully organized seven workshops and conferences on nanotechnology. These are:

1. National Workshop on “Synthesis, Characterization and Applications of Nanoparticles” (21-24 August, 2017).
2. 2nd Workshop and International Conference on “Nanotechnology for Sustainable Development: Prospects for Africa” (23-25 October, 2018).
3. 3rd Workshop and International Conference on “Nanotechnology Applications in Africa: Opportunities and Constraints” (22-24 October, 2019).

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4. 4th Workshop and International Conference on “Human Existence and Resource Utilization: Extending the Frontiers through Nanotechnology” (27-28 October, 2020).
 5. 5th Workshop and International Conference on “Nanotechnology in Africa: Changing the Narratives for the Benefits of Mankind” (26-28 October, 2021).
 6. 6th Workshop and International Conference on “Nanotechnology for Socioeconomic Development of Africa” (22-25 November, 2022).
 7. 7th Workshop and International Conference on “Nanotechnology in fourth industrial revolution: opportunities for emerging economies” (20-22 November, 2023).
- Since 2018, the ministry and the Honorable minister of science, technology and innovation have been part of LAUTECH NANO Conferences.
 - Papers presented at the 2nd to 7th conferences have been published in reputable journals in Nigeria and UK.
 - The group has been commended for its immense contributions to the ranking of LAUTECH, Ogbomosho, Nigeria by the University.
 - The group parades some of the top contributors to nanotechnology articles in Nigeria. Five of the members are among the top 12 scholars in Nigeria via papers indexed by SCOPUS (2010-2020).
 - Members of the group are winners of three TETFund National Research Fund as Principal Investigators.
 - The group founded the first journal on nanotechnology in sub-Saharan Africa. The journal, Nano Plus: Science and Technology of Nanomaterials is available online (<https://stnanojournal.org/>) which is indexed by Google Scholar and CrossRef.
 - The research activities of the group motivated the University to establish a Centre for Nanoscience and Nanotechnology Research (CEENANO) in 2024 following the proposal that was submitted by the group.

STANOMAT JOURNAL • Nano Plus: Science and Technology of Nanomaterials
[\(https://stnanojournal.org/\)](https://stnanojournal.org/)
ISSN: 2782-8166 (print) 2782-8174 (electronic)
<https://doi.org/10.36108/stnanomat/>
The Official Journal of LAUTECH Nanotechnology Research group

For peer-reviewed, quality and visible publication, publish your nanotechnology articles in STANOMAT
Submission via online dedicated platform that is fully automated

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EVENT'S BREAKDOWN

WORKSHOP TARGETED AT POSTGRADUATE STUDENTS AND EARLY CAREER SCIENTISTS/ RESEARCHERS (Tuesday, November 19, 2024)

Workshop on Synthesis, Characterization and Applications of Nanoparticles
Time: 9:00 am-6.00 pm
Venue: Laboratory of Industrial Microbiology and Nanobiotechnology, LAUTECH, Ogbomosho

PHYSICAL AND E-CONFERENCE (November 20-21, 2024)

Opening Ceremony of the Conference, Invited Lectures and Technical Sessions
Time: 9:00 am – 5.00 pm daily

PAYMENT BREAKDOWN

Payment and Registration (Early bird till September 15, 2024)

Workshop and Conference fees (Local) N40, 000 (Physical); N15, 000 (Online)
Conference alone (Local) N35, 000 (Physical); N15, 000 (Online)
Postgraduate Students (with ID card); N20, 000
Undergraduate (10,000)
International \$150:00

Late Registration (September 16, 2024–October 15, 2024)

Workshop and Conference fees (Local) N45, 000 (Physical); N18, 000 (Online)
Conference alone (Local) N40, 000 (Physical); N18, 000 (Online)
Postgraduate Students (with ID card) N25, 000
Undergraduate (12,000)
International \$200

INSTRUCTIONS ON PAYMENT

Payment should be made into:

NANOTECHNOLOGY RESEARCH GROUP:
Account Number 1019352988, UBA Plc. (NAIRA): Local Participants

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Account Number 2147005401 (Swift Code UNAFNGLA), UBA Plc (Dollar Domiciliary): International Participants

After payment, participants should proceed to register on the conference site and complete the registration form (<https://www.lautechnanotech.com/files/conference.php>). An acknowledgement e-mail would be sent to the registrant.

Important Dates

Abstract submission	June 10, 2024-October 15, 2024
Early bird registration	Ends on September 15, 2024
Late registration	September 16, 2024-October 15, 2024
Arrival	18 November, 2024
Departure	22 November, 2024

BENEFITS OF THE WORKSHOP/CONFERENCE

- Participants at the workshop would learn various techniques in nanotechnology research
- The conference would expose participants to current trends in nanotechnology research; where and how to infuse nanotechnology in their research activities
- Networking with established researchers in the area of nanotechnology for collaboration
- Postgraduate and early career scholars would be tutored on access to grants and fellowships
- Some of the quality papers presented at the conference would be published

HIGHLIGHTS OF 7TH CONFERENCE ON NANOTECHNOLOGY (LAUTECH-NASRDA-FMIST NANO 2023)

LAUTECH-NASRDA-FMIST NANO 2023 was successful a success story with the attendance of about 140 participants from about 50 institutions and agencies from Nigeria, Malaysia, South Africa, Cameroon, India, UK, USA, Germany, Sweden, Spain, Saudi Arabia and Tunisia.

Creation of 'Nano Stand' where posters, publications, photo album and products depicting activities of the Group were displayed

Eighty-eight abstracts that were presented at the conference have been published in Nano Plus: Science and Technology of Nanomaterials (<https://stnanjournal.org/article?article=27&id=102>).

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SPEAKERS AT THE CONFERENCE

Khalil Suleiman Halilu,
EVC/DG, National Agency for Science and Engineering Infrastructure (NASeni), Abuja

Dr. Mathew Adepoju,
DG/CEO, National Space Research and Development Agency (NASRDA), Abuja

Prof. Yogendra K. Mishra,
University of Southern Denmark, Sønderborg, Denmark

Prof. Enock O. Dare,
Department of Chemistry, Federal University of Agriculture, Abeokuta, Nigeria

Prof. Ambali S. AbdulKareem,
Department of Chemical Engineering, Federal University of Technology, Minna, Nigeria

Prof. Folahan A. Adekola,
Department of Chemistry, University of Ilorin, Ilorin, Nigeria

Prof. Jimoh O. Tijani,
Department of Chemistry, Federal University of Technology, Minna, Nigeria

Dr. Brajesh Kumar,
Head, TATA College, Chaibasa, India

Dr. Kanchan Vishwakarma,
Swedish University of Agricultural Sciences, Umea, Sweden

Dr. Mikael Syväjärvi,
ALMINICA AB, Research Utilization and Innovation Capacity, Sweden

Professor Fabian. I. Ezema,
Department of Physics, University of Nigeria, Nsukka, Nigeria

Dr. David Díaz Díaz,
Departamento de Química Orgánica, Universidad de La Laguna, Spain

Professor Chérif Dridi,
Centre for Research on Microelectronics and Nanotechnology, Technopark of Sousse, Tunisia

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Dr. Hassan Soleimani,
Department of Geoscience, Universiti Teknologi PETRONAS, Malaysia

Dr. Abbas S. Hakeem,
Interdisciplinary Research Center for Hydrogen and Energy Storage (IRC-HES), King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

Dr. Lorika S. Beukes,
Department of Microbiology, University of KwaZulu-Natal, Pietermaritzburg, South Africa

Prof. Sheriff Adewuyi,
Department of Chemistry, Federal University of Agriculture, Abeokuta, Nigeria

Dr. Elias E. Elemike,
Department of Chemistry, Federal University of Petroleum Resources, Effurun, Delta State, Nigeria

Dr. Hammad Arshad,
Department of Biology, Lahore Garrison University, Lahore, Pakistan

Prof. AbdulLateef Bakre,
Department of Pharmaceutics and Pharmaceutical Technology, Olabisi Onabanjo University, Ago-Iwoye, Nigeria

Dr. Okunola A. Alabi,
Department of Biology, Federal University of Technology, Akure, Nigeria

CONTACTS

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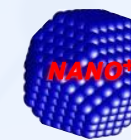
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08034236886,
08032183477

URL: www.lautechnanotech.com



COVID-19 PREVENTIVE PROTOCOLS WILL BE OBSERVED AT THE PHYSICAL EVENT

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LAUTECH NANO 2024
LAUTECH NANOTECHNOLOGY
RESEARCH GROUP (NANO+)

Presents



INTERNATIONAL CONFERENCE
ON NANOTECHNOLOGY (HYBRID)

&

CELEBRATION OF NANOTECHNOLOGY
RESEARCH EXCELLENCE BY
NANO+ @10



The Hall, Ladake Akintola University of
Technology, Ogbomoso and Zoom Webinar



9:00am – 5:00pm
daily

November 18-22,
2024

Theme of the conference:

NANOTECHNOLOGY REVOLUTION FOR
SUSTAINABLE DEVELOPMENT: SECURING THE
FUTURE FOR THE BENEFITS OF HUMANITY

CHAIRMAN
Prof. Rom Olatunde Razaq Kalilu
Vice-Chancellor,
LAUTECH, Ogbomoso

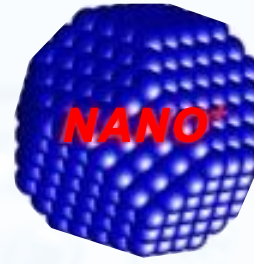
HOST
Prof. A. Lateef, FCEnt
Head, Nanotechnology Research Group
(NANO+), LAUTECH, Ogbomoso

LOC CHAIRMAN
Prof. Musibau A. Azeez
Department of Pure and Applied Biology, LAUTECH, Ogbomoso

KEYNOTE SPEAKER

Prof. Martins Emeje
DG/CEO, Nigeria Natural Medicine Development Agency (NNMDA),
Lagos, Nigeria

SPECIAL GUEST OF HONOUR
Chief Uche Geoffrey Nnaji,
Honourable Minister of Innovation, Science and Technology, Abuja
Professor Muhammad Ali Pate,
Honourable Minister of Health, Federal Ministry of Health, Abuja



LAUTECH NANO⁺ 2024

LAUTECH NANOTECHNOLOGY RESEARCH GROUP (NANO⁺)

Presents

8TH INTERNATIONAL CONFERENCE ON
NANOTECHNOLOGY (HYBRID)

&

CELEBRATION OF NANOTECHNOLOGY
RESEARCH EXCELLENCE BY NANO⁺@10

Theme: **NANOTECHNOLOGY REVOLUTION FOR SUSTAINABLE
DEVELOPMENT: SECURING THE FUTURE FOR THE BENEFITS OF
HUMANITY**



*The Hall, Ladoke Akintola University of Technology,
Ogbomoso and Zoom Webinar*



November 18-22, 2024



9:00am – 5.00pm daily

For more details, visit: <https://www.lautechnanotech.com/>