

SUBMISSION OF ABSTRACT

(August 1, 2021–October 10, 2021)

An abstract of maximum of 250 words only detailing overview/aim of work, methodology, results and conclusion should be submitted along with the evidence of payment (transfer details) of abstract processing fee of two thousand Naira (N2,000) only on the conference site (<https://www.lautechnanotech.com/files/conference.php>). Only the abstracts accompanied with the evidence of processing fee would be processed

CONFERENCE SUB-THEMES

- Nanotechnology in the wake of COVID-19
- Nanotechnology in Developing Nations
- 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 Renewable Energy
- Nanotechnology in the Built Environment
- Nanotechnology in Transportation
- Nanotechnology and Climate Change Research
- Nanotechnology in Waste Treatment and Conversion to Wealth
- Nanotechnology in Water Treatment and Remediation
- Nanotoxicity and Nanotoxicology
- Policy Issues and Development in Nanotechnology
- Surface Coating Technology and Packaging
- Nanotechnology in Bioprocesses
- IPR Issues in Nanotechnology and Commercialization of nanoproducts/services
- Nanoentrepreneurship



WORKSHOP HIGHLIGHTS

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

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 Ladoké Akintola University of Technology, Ogbomoso, 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

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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 young scholars from different Departments within the University; with advanced training in Molecular Biology, Industrial Microbiology, Biotechnology, Nanotechnology, Toxicology, Biochemistry, Materials Engineering, Renewable Energy and Nanofabrication. Since its formation, members of the group have published more than seventy (70) quality research outcomes focusing 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, Dr. T.B. Asafa, Dr. I.C. Oladipo, Dr. E.A. Adebayo, Prof. Y.K. Sanusi, Prof. M.O. Durowoju, Dr. O. Adedokun, Dr. J.A. Badmus, and Dr. M.K. Awodele that spread across the three existing sub-divisions viz Biological/Biomedical, Physical/Chemical, and Engineering and Technology cluster groups.

The research group which is headed by Prof. A. Lateef of the Department of Pure and Applied Biology, LAUTECH, Ogbomoso successfully organized a National Workshop on Synthesis, Characterization and Applications of Nanoparticles (21-24 August, 2017) (<http://lautechnanotech.com/files/report.php>), in which Africa was called upon to invest in nanotechnology to aid development (<https://www.scidev.net/sub-saharan-africa/r-d/news/nanotech-africa-prioritised.html>). The group also organized Workshop and International Conference on “Nanotechnology for Sustainable Development: Prospects for Africa” (23-25 October, 2018) (<https://www.lautechnanotech.com/files/report.php>), where the Minister of Science and Technology underscored the importance of nanotechnology to nation building (<https://guardian.ng/technology/minister-urges-increased-research-in-nanotechnology/>). Some papers presented at the 2018 conference were published in a special edition of Science Focus Focus (Nigeria) (<https://sciencefocuslautech.org/new.php?slug=volume23>).

Furthermore the 3rd workshop/conference on nanotechnology was held between 22 and 24 October, 2019. The conference which was attended by more than 150 participants had its theme as “Nanotechnology Applications in Africa: Opportunities and Constraints” where the call was made for the prioritization of nanotechnology research (<https://businessday.ng/education/article/lautech-urges-tetfund-to-prioritize-funding-nanotechnology-research-in-nigeria/>), passage of policy on nanotechnology

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(<https://guardian.ng/news/fg-urged-to-fast-track-passage-implementation-of-national-policy-on-nanotechnology/>) and establishment of centres of excellence in nanotechnology (<https://tribuneonline.ng.com/lautech-demands-centre-of-excellence-in-nanotechnology/>). Forty-four papers among those presented at the conference were published IOP Conference Series: Materials Science and Engineering (UK) (<https://iopscience.iop.org/issue/1757-899X/805/1>) which is indexed in Scopus in June 2020.

The 4th conference of the group tagged ‘Human Existence and Resource Utilization: Extending the Frontiers through Nanotechnology’ was held online on 27-28 October, 2020 due to restrictions of COVID-19 pandemic. The conference drew participants from Nigeria, South Africa, Sierra Leone, India, Iran, Saudi Arabia, Malaysia, China, Sweden and the United Kingdom from more than fifty institutions and government agencies. At the conference, the flagship journal of the group, Nano Plus: Science and Technology of Nanomaterials (<https://stnanojournal.org/>) was unveiled by the Minister of Science and Technology, who was represented by Mr. Mfon E.J Bassey, Director, Chemical Technology, FMST, Abuja. The conference underscored the relevance of nanotechnology to achieving SDG (<https://guardian.ng/news/nanotechnology-is-a-veritable-tool-to-achieving-sdgs-say-scholars/>). Abstracts of presentations at the conference have been published (<https://doi.org/10.48187/stnanomat.2021.1.002>).

EVENT'S BREAKDOWN

WORKSHOP TARGETED AT POSTGRADUATE STUDENTS AND EARLY CAREER SCIENTISTS/RESEARCHERS (Tuesday, October 26, 2021)

Workshop on Synthesis, Characterization and Applications of Nanoparticles

Time: 10:00 am-4.00 pm

Venue: Central University Research Laboratory/Laboratory of Industrial Microbiology and Nanobiotechnology

CONFERENCE (October 27-28, 2021)

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 October 10, 2021)

Workshop and Conference fees (Local) N30, 000:00 (Physical); N10, 000 (Online)
Conference alone (Local) N25, 000:00 (Physical); N10, 000 (Online)
Conference fee (International) \$100:00

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Late Registration (October 11, 2021–October 20, 2021)

Conference fee (Local) N35, 000:00 (Physical); N15, 000 (Online)
Conference fee (International) \$120:00

INSTRUCTIONS ON PAYMENT

Payment should be made into:
NANOTECHNOLOGY RESEARCH GROUP:

Local Participants:

Account Number 1019352988, UBA Plc (NAIRA)

International Participants:

Account Number 2147005401, UBA Plc (Dollar Domiciliary, Swift code: UNAFNGLA)

After payment, participant should proceed to registration 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 August 1, 2021–October 10, 2021

Early bird registration Ends on October 10, 2021

Late registration October 11, 2021–October 20, 2021

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 4th CONFERENCE ON NANOTECHNOLOGY (LAUTECH NANO 2020)

- LAUTECH NANO 2020 was a success story with the participation of Honourable Minister of Science and Technology, and attendance of participants from fifty (50) institutions from Nigeria, South Africa, Sierra Leone, India, Iran, Saudi Arabia, Malaysia, China, Sweden and the United Kingdom. Launching of flagship journal of the group, Nano Plus: Science and Technology of Nanomaterials (<https://stnanojournal.org/>).
- Forty-three abstracts of papers among those that were presented at the conference have been published in Nano Plus: Science and Technology of Nanomaterials (<https://doi.org/10.48187/stnanomat.2021.1.002>).

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