

GOODWILL MESSAGES



Prof. Mojeed O. Liasu

Deputy Vice-Chancellor, LAUTECH, Ogbomosho, Nigeria

It is with great delight and a high sense of exhilaration that I present this goodwill message in respect of the ongoing LAUTECH NANO 2020 E-Conference anchored by the indefatigable *NANO*⁺ group based in our own Department; the Department of Pure and Applied Biology. The research group consisting of young and experienced researchers in the life sciences has made cutting edge contributions to advances in the nanosciences. More importantly, they have been early bird pioneers in nanotechnology research in Africa. Not only that, they have succeeded in providing a multidisciplinary approach to the application of nanotechnology to solutions of problems of interfacial interactions of matter both in the physical and biological domains of the environments coordinating inputs by biologists, physicists, engineers, environmentalists etc. I hereby appreciate the pioneering efforts of the group ably led by our own Professor Agbaje Lateef and consisting of versatile academics like Professor M.A. Azeez, Professor T.A. Yekeen, Engr. (Dr.) T.B. Asafa to mention a few. Please, keep the flag flying.



Prof. Beatrice I.O. Ade-Omowaye

Dean, Faculty of Food and Consumer Sciences, LAUTECH, Ogbomosho, Nigeria

It is barely six years ago since we serenaded the birth of the trailblazing research group code named LAUTECH *NANO*⁺ and it is gratifying to note that it has made giant strides, both in stature and recognition, in the scientific community of research endeavours, both locally and internationally. Nanotechnology has only emerged very recently but its effect in application has been salutary, manifesting in various fields of human endeavour. It has equally emerged as one of the most promising tools for creating high performance and multifunctional materials for various industrial applications including, in the Food Industry.

Going by the desire to revitalize global partnership for sustainable development in all spheres, encapsulated in the Sustainable Development Goals (SDG) 11 and 17, arising from the growing concern about the environment and sustainability, nanomaterials from natural sources have received great attention in both the scientific community and industrial sector. A wide variety of nanomaterials synthesized from natural products have been found to possess exceptional characteristics; lightweight, strength, transparency coupled with excellent biocompatibility which

have provided promising materials for packaging, filtration, coating, pharmaceuticals, medicine, etc.

We are particularly gratified to feel the impact of nanotechnology in the Food Industry, our constituency in the Faculty of Food and Consumer Sciences, in virtually all fields of Food Science and Technology including Food processing, Food microbiology, Food safety, Food packaging, Functional food development, Shelf life enhancement of foods and food products. We believe, with the domiciliation of the LAUTECH *NANO*⁺ in our domain, we are well placed to be immediate beneficiaries and to reap more benefits from the outcome of research endeavours of the group, God willing!

On behalf of the Faculty of Food and Consumer Sciences and the entire staff and students of the Faculty, I wish to extend our felicitations and goodwill to the LAUTECH *NANO*⁺ group on the occasion of this year's e-Conference and pay tribute to the undying spirit of the chaperon of the group, a doyen of scientific research, in the person of an erudite and indefatigable lover of research and scholarship, Agbaje Lateef, a Professor of Microbiology, in the Laboratory of Industrial Microbiology and Nanobiotechnology, LAUTECH, Ogbomoso. We wish the group many more innovative and impactful breakthroughs in the years ahead. We also wish you success in the conference in October and look forward to celebrating with you again in the next edition of Nanotechnology Scientific Fiesta.

Thank you till we meet again. May God bless you all!



Prof. Olusola Ojurongbe

Dean, Postgraduate School, LAUTECH, Ogbomoso, Nigeria

I am delighted to join the organizers, our distinguished guests and all participants for this 4th edition of the nanotechnology conference organized by the Nanotechnology Research Group (*NANO*⁺) of Ladoké Akintola University of Technology, Ogbomoso, Nigeria. Since the maiden edition of the conference in 2017, the organizers have continued to overcome every obstacle by putting together outstanding conference yearly. In spite of the COVID-19 pandemic this year, the organizers are not deterred in their quest for high level nanotechnology research, and in response are conducting this year's conference via zoom. The conference titled "Human Existence and Resource Utilization: Extending the Frontiers through Nanotechnology" is timely when the whole world is battling to contain the corona virus disease. **The field of Nanotechnology is an exciting discipline that is applicable in all areas of science and technology and if well annexed can spark revolution and development in various areas. The possibilities of nanotechnology seem endless in the areas of health care and medicine, nano-electronics and computer technology, environment and energy to mention just a few.** It is my sincere hope that this conference will deliberate and discuss this exciting topic effectively

and proffer recommendations that will lead to a better, healthier and merrier world. I congratulate the organizers; welcome all participants while wishing you a wonderful and exciting time.



Prof. (Arc.) A.M.O. Atolagbe

Dean, Faculty of Environmental Sciences, LAUTECH, Ogbomosho, Nigeria

Congratulations again, LAUTECH NANO group, on this research outing tagged LAUTECH NANO 2020 E-CONFERENCE; an outing, by antecedents, the envy of Universities and research institutes far and wide. The Faculty of Environmental Sciences here, proudly identifies with, and congratulates you, on your pedestal on one hand and uniqueness on the other, in research and publication out-let on Nanotechnology; a research emphasis that “adds small to achieve big”! We welcome our participants to this edition that promises, comparatively, to reduce the excitement in previous editions as it signals pre-eminence for this and future ones.

In our message to LAUTECH NANO 2019 in a similar outing between 22nd and 24th October 2019, we tried in a nutshell, to highlight some research areas pertinent to Architecture, Building, Fine and Applied Arts, Urban and Regional Planning, and general areas of immediate relevance to the Built Environment. Nanotechnology as noted there-in, has vast benefits and potential in the generation, maintenance and qualification of the Built Environment with the use/deployment of nano scale materials (10^{-9}) for high quality, durable and climate resistant end products, finishes and services.

This was a subtle attempt to espouse the research interest of our young researchers (students and staff) of the Faculty of Environmental Sciences to this important up-coming, econo-centric, high yielding area of development and efficiency-oriented research. Unfortunately, the few classroom and lecture contacts for adequate sensitization to and on this NANO E – Conference have been short, arising from the student’s examination and prolonged COVID 19 pandemic from March 2020 till date. It is hoped that the charisma, ginger and public relations inherent in this outing – NANO 2020, together with incoming resumption and attendant staff/staff and staff/students contacts will spur NANO – researchers in the Faculty that will be remarkably noticed in future editions.

Once again, I congratulate LAUTECH NANO group for this outing as I wish it will signal more inciting, intriguing, robust and incising future editions; such that will continue to surge you forward as a pride to LAUTECH in the comity of Universities in, and outside Nigeria and Africa. I also felicitate with our August participants as I wish all a fruitful, value-added and memorable interactive forum.



Prof. (Engr.) S.O. Jekayinfa

Dean, Faculty of Engineering and Technology, LAUTECH, Ogbomoso, Nigeria

Nanotechnology is without doubt gaining more ground worldwide as many breakthroughs in current researches are nano-inclined. It has found applications in all major fields of studies including but not limited to Sciences, Engineering, Biomedicine, Energy, Environment, Food, Textile etc. Nanotechnology has great potential, as it can enhance the quality of life through its applications in these fields.

I want to seize this opportunity to salute the doggedness of the Nanotechnology Research Group (*NANO*⁺), LAUTECH, Ogbomoso under the leadership of Prof. Agbaje LATEEF, an academic per excellence. The successes recorded in the past conferences were really great and highly commendable. I congratulate the group for putting up this conference again this year despite all odds due to COVID 19 pandemic.

The conference of this year which has been tagged "Human Existence and Resource Utilization: Extending the Frontiers through Nanotechnology" promises to be greater than the past ones. To this end, as I congratulate the entire Nanotechnology Research group, I wish you all fruitful deliberations.

Thank you.