



NATIONAL MATHEMATICAL CENTRE, ABUJA

An International Centre of Excellence in Mathematical Sciences

International Conference on Mathematical Modeling of Environmental Pollution December 2 – 6, 2018

*Theme: “Militating against Environmental Pollution through
Mathematical Modeling for Sustainable Development”*

FIRST ANNOUNCEMENT

The Conference will create a forum for Scientists, Students, Engineers and Environmentalists to again come together to present their research findings to the public and share their experiences on solving environmental problems through Mathematical Modeling.

In recent times, anthropogenic activities has led to pollution of the environment. Emission of greenhouse gases has affected biome regiment of the ecosystem. These have led to climate change that resulted to flooding, tornadoes and hurricanes globally.

Pollution of the air, land, water and its control is one of the topmost priorities in the problem solving agenda in the world today. Pollutions in the air, land and water have had tremendous effect on human health, agriculture,

biodiversity, water and sanitation thereby creating ecosystem imbalance. Combustion of hydrocarbons, coal and solid fuel have equally brought about rapid cases of carcinogenic and respiratory diseases such as lung cancer and asthma, etc.

Continuous deposition of contaminants from factories, oil spillages and sewage into drinking water, have become serious threats to human and marine life. Scientists, Engineers, Educationists and Policy makers have been adopting mathematical modeling and simulation techniques to solve some of these problems challenging mankind.

Aims and objectives of the Conference:

- The Conference will help bring ideas from leading Mathematical Scientists together and in cooperation with International Partners chart an effective course for further propagation of current Mathematical Modeling of Environmental Pollution.
- The Conference will provide a forum for younger generation of Mathematical Scientists to interact with and be inspired by distinguished and established Mathematicians.
- The Conference will through round table discussions create opportunities, improve existing Networks/collaborations as well as create new ones with International partners.
- The Conference will serve to mobilize a critical mass of Mathematical Scientists.
- The Conference will provide a compendium of research results on environmental challenges facing developing countries

INVITED SPEAKERS FOR THE CONFERENCE

The keynote and plenary speakers for the Conference are from COMSATS, TWAS, China Academy of Science (CAS) and Mathematical Community in Nigeria.

TOPICS AND CALL FOR PAPERS

For this International Conference on Mathematical Modeling of Environmental Pollution to be held at National Mathematical Centre, Abuja, Nigeria, in 2018, we invite contributions that focus especially, but not exclusively, on mathematical modeling of environmental pollution, with emphasis on:

- Pollution of air, land and water.
- Optimization and Multi-scale modeling.
- Complex systems modeling and simulation
- Climatic change problems
- Environmental impact assessments and big data analysis.
- Oil spillages in the marine and terrestrial environments
- Pollution from mining, industrial and agricultural sources.

To advance investigation on environmental pollution and to further expand its theoretical and practical bases and boundaries, we need to explore, apply and confront both conceptual and empirical wisdom and scholarship stemming from different perspectives. Therefore, members of the Academia and Professional bodies are invited to submit abstracts of their original manuscripts for presentation.

Publication of Conference proceedings

This Conference will provide opportunities for publication of the full –length presented papers under the following forum:

Registration Fee:

Twenty Thousand Naira (₦20, 000.00); Students ₦5, 000.00 Foreigners
US \$80

Methods of Payment:

Through money transfer and at the Conference Venue on arrival.

Full paper and intention to present paper should be sent to: boyelami200@yahoo.com; atoyebi29@gmail.com or ifioketim@yahoo.com on or before **23rd November 2018**.

Arrival Date: 2nd December 2018, **Departure:** 6th December 2018. **Venue:** National Mathematical Centre, Sheda, Abuja, Nigeria.

Please note local organizing committee will provide:

Local transportation from Nnamdi Azikiwe Airport Abuja to Hotels and back to airport for foreign participants.

Registration: Through online and at Conference Venue

Contact persons:

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COMSATS International Thematic Research Group on Mathematical Modeling and Simulation Meeting (ITRG): 13th November 2018.

LOCAL ORGANIZING COMMITTEE

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For more information visit: <https://www.nmc.edu.ng/Conferences>

A. M. Biu

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Announcer