

# Lusaka International Conference on Water, Energy & Environmental Research(Lusaka2022)

**Venue:** Gideon Robert University, Lusaka-Zambia

**December 4-7, 2022**

**Theme:** Environment, Sustainability and Globalization

## Organizers:

The 7th edition of ICWER(Lusaka2022) is organised by African Institute of Management, Technology and Development Studies(AIMTDS) in cooperation with Universidad Central de Nicaragua, African Society for Scientific Research, Universidad Azteca,Chalco-Mexico, African Association for Teaching and Learning, Commonwealth University, Association of Women Educationists, African Academy of Economics and Ballsbridge University.

## Sub-Themes and Topics

Topics of interest for submission include, but are not limited to:

- Environment and Development
- Water pollution and treatment
- Air pollution and treatment
- Soil pollution and treatment
- Groundwater issues
- Wastewater management and treatment
- Waste management and Environment
- Green manufacturing and technologies
- Desalination and Oil spillage
- Renewable and non-renewable energies
- Energy management
- Bioremediation and Biofuels
- Environmental safety regulations
- Greenhouse effect, global warming
- Environmental protection
- Impact of industrialization on the environment
- Pollution and health issues
- Sustainability and development
- Environmental education
- Nanotechnology impacts
- Environmental risk assessment
- Environmental Geotechnology
- Energy and Waste Management
- Advanced biological treatment
- Agricultural wastes
- Brownfields and Land Revitalization
- Cost and benefits of Energy
- Decontamination and Decommissioning
- Drought and Desertification
- Energy, the Environment and Waste Management
- Environmental Geotechnology and Management
- Environmental impact
- Environmental Remediation
- Erosion and Sediment Transport
- Fate, Transport and Remediation of Contaminants
- Geological Carbon Sequestration
- Global Scale Environmental Issues
- High-Level Radioactive Wastes
- Hydraulic Fracturing

Industrial waste management  
Landfills, design, construction, and monitoring  
Landslide Hazards  
Long-Term Nuclear Waste Containment  
Low-Level, Intermediate Level, Mixed Waste  
Management of emerging wastes  
Medical wastes and Methane Recovery  
Mining and mineral wastes  
Nuclear and hazardous waste  
Nuclear Power Plant Waste  
Nuclear Fuel Management  
Packaging and Transportation  
Reduce, reuse and recycle  
Resource and energy recovery  
Site Monitoring/Characterization Systems  
Soil Science and Pedology  
Transuranic Radioactive Waste  
Surface and Ground Water Quality  
Waste Containment and Impoundment Systems  
Waste from electronic and electrical equipment  
Waste incineration and gasification  
Waste-to-Energy Systems  
Wastewater treatment  
Water Conservation and Reuse  
Water Sustainability  
Agriculture and Rural Development  
Geography and Regional Planning  
Watershed Management  
Environmental dynamics  
Meteorology and Hydrology  
Geophysics and Atmospheric physics  
Physical oceanography  
Global environmental change  
Ecosystems management  
Climate and climatic changes  
Global warming and Ozone layer depletion  
Carbon capture and storage  
Integrated ecosystems management  
Satellite applications in the environment  
Biodiversity conservation and Deforestation  
Landscape degradation and restoration  
Wetlands and Ground water remediation  
Eco-technology and Bio-engineering  
Environmental sustainability  
Resource management  
Environmental systems approach  
Renewable sources of energy-energy savings  
Sustainable cities and Clean technologies  
Health and the Environment  
Health related organisms  
Hazardous substances  
Biodegradation of hazardous substances  
Toxicity assessment and epidemiological studies  
Estate Management  
Quality guidelines,regulation and monitoring  
Indoor air pollution  
Water resources and river basin management  
Regulatory practices in Water and Energy  
Public participation  
Oil and Gas  
Modelling and decision support tools  
Institutional development  
Transboundary cooperation

Management and regulation of pollution  
Monitoring and analysis of environment  
Ground water management  
Wastewater and sludge treatment  
Quantity Surveying  
Sludge treatment and reuse  
Fate of hazardous substances  
Industrial wastewater treatment  
Advances in Water & Energy processes  
On site and small scale systems  
Storm-water management  
Air pollution and control  
Atmospheric modelling  
Land Surveying  
Petroleum Economics  
Environmental Economics  
Natural Resource Management  
Aquatic Sciences  
Biotechnology  
Earth Science  
Energy Resources and Conservation  
Environmental Analysis-Monitoring  
Environmental Biology  
Environmental Chemistry  
Environmental Economics  
Environmental Engineering  
Environmental Health - Public Health  
Environmental justice and ethics  
Environmental Law - Policy - Eco Justice  
Environmental Management  
Environmental Microbiology  
Environmental Modelling  
Environmental Physics  
Environmental Toxicology  
Global Environmental Change  
Hazardous Substances and Risk Analysis  
Hydrology and water  
Land Use and Reform  
Natural resources and ecosystem services  
Nature Conservation - Biodiversity  
Noise Pollution and Control  
Policy and Development  
Pollution and Remediation  
Pollution Control Technologies  
Solid Waste Management  
Sustainable Development  
Water and Wastewater Treatment  
Water Quality

## **Aims and Scope**

The ICWER gathers hundreds of academics from all around the globe covering different disciplines in the area of environmental science, engineering, science, technology, geography, and social sciences.

It will combine in person and online sessions and will bring together scientists, activists, educators, professors, researchers, students, and policy makers to exchange ideas, their experiences and research results.

ICWER supports and promotes the open access concept, publishing its scientific outcome as open access publications. The academic content obtained by this event will be published as conference proceedings. A number of selected papers from the appropriate scientific discipline will also be considered for special edition publication in the following journals: Afro Euro Journals, African British Journals and European Scientific Journal (ESJ).

# Submission

High quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in the all areas under the environmental science, engineering, science, technology, geography, and social sciences are cordially invited for presentation at the conference. All submissions must not have a conflict of interest.

All papers should be sent via conference email: [info.mgt2022@gmail.com](mailto:info.mgt2022@gmail.com); Subject: Lusaka2022

Paper Size must be A4 format (21 x 29.7 cm) in MS Words

- Margins must be **1 inch** (about 2.54 cm).
- Font Face must be Times New Roman.
- Font Size must be **10 point** (except paper Title is 14 pt) in single space, and justified.
- Only full paper submissions are accepted.
- Recommended paper length: 5-15 pages
- Please use 12-point bold for first-level headings, 10-point bold for second-level headings, and 10-point italics for third -level headings with an initial capital letter for any proper nouns. Leave one blank line after each heading and two blank lines before each heading. (Exception: leave one line between consecutive headings.) Please margin all headings to the left.
- One blank line should be left after the paper title. After the title, names of authors and affiliations should be provided.
- All the authors of a paper should include their full names, affiliations, postal addresses, telephone and fax numbers and email addresses on the last page of the manuscript.
- An informative 10-point abstract (200 words) with 5 keywords presenting the main points of the paper and conclusions.
- Papers should include keywords. List up to five words regarding the essential elements of the paper content.
- Tables and figures should be centered and not exceed the given page margins.
- Table titles should be on top of the table and all words should be centered, and only the first letter capitalized.
- Figures titles should be centered and only the first letter capitalized and located at the bottom of the figures.
- One blank line should be allowed between the paragraphs.
- References and citations within the text should be prepared in the latest **APA format**.
- **Do NOT** include **PAGE NUMBERS**
- **Do NOT** include **HEADERS** or **FOOTNOTES**

All accepted papers will be published after the conference as conference proceedings with an ISBN number. However, the author can decide to submit their paper for possible publication in some selected international peer reviewed journals

Certificate of the presentation will be issued to participants presenting their research in online or in-person sessions.

Certificate of chairing a session will be issued to the chairs acknowledging their role at the conference.

Best Paper Award will be conferred by the Program Committee to the author(s) of the best paper presented at the conference.

## Dates and fee

Important dates:

## Registration Fee

Early submission: **120USD** per paper for payments received before August 1, 2022

**160USD** per paper for payments received after August 1, 2022

**50USD** per additional paper if presenting more than one paper at the conference

- **If a University/Company registers more than 4 participants, a 20% discount will be approved.**

**\*Note:** Only papers that successfully pass the peer review procedure will be published.

**\*\*Note:** The participation fee is **40USD** for fulltime Masters and PhD students

### **The fee includes:**

Admission to the conference, one paper to be presented, copy of the conference program, conference certificate, book of abstracts, publication of an accepted paper in the online conference proceedings or/and journal publication.

## Organizing and Scientific Committee

Prof Jacinta A. Opara, (Chairman), African Association for Teaching and Learning

Prof Melody Modebelu, African Institute of Management, Technology & Development Studies

Prof Gerhard Berhtold, Universidad Central de Nicaragua

Dr V.O. Charles-Unadike, African Institute of Management, Technology & Development Studies

Prof Shobana Nelasco, Madurai Kamaraj University

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Prof Sola Fajana, National University of Lesotho

Prof Sodienye Abere, Rivers State University

Dr Anthony Uwaya, Catholic University of Chile

## Venue

This event holds at the Gideon Robert University (GRU). As the leading academic institution in Zambia. The GRU features state-of-the-art technology, personalised service and professional facilitation to ensure event success.

**In-person Presentations** will be organized into technical and plenary sessions at the venue/premises. Every presenter will have a maximum of 15 minutes for presentation and an extra 7 minutes for discussion. The presentation should be prepared in Microsoft PowerPoint within 10-15 slides in English.

### **Online Presentations**

Zoom Online Meeting platform will be used. Every participant will receive an invitation to their email address.

## **Responsibility and Visa Requirements**

In registering for the conference you agree that neither the Organizing Committee nor the Conference Secretariat accept any liability. For people from outside Southern African region planning to attend the conference, an entrance visa may be required and you should contact the nearest Embassy or Consulate for more information. Participants are requested to make their own arrangements in respect of and travel insurance. The organizers do not accept responsibility for any personal injury, damage or loss of property which may occur in connection with this conference. All participants are advised to arrange international health insurance before departure from their home countries.