

# DEPARTMENT OF PHYSICS

*in collaboration with*

# DEPARTMENT OF ESTATE MANAGEMENT

COLLEGE OF SCIENCE & TECHNOLOGY, COVENANT UNIVERSITY, OTA, NIGERIA

Present

## 7<sup>th</sup> International Conference on Science and Sustainable Development ICSSD 2023

Theme

## SCIENCE AS A CATALYST FOR SUSTAINABLE DEVELOPMENT IN SUB-SAHARAN AFRICA

**November 15-17, 2023**

@ Center for Research, Innovation and Discovery, Covenant University, Ota, Nigeria

We invite you to participate in the 7th International Conference on Science and Sustainable Development and Workshop. The conference will provide an international forum for Experts, Researchers, Industrialists, Scholars, Students, etc. in the fields of Science, Engineering, Social Sciences and related fields in relation to sustainability to present their findings. Executives from Industries, Research Institutes and Educational Bodies can share and publicize their research works, developmental activities and innovations that are in line with the theme of the conference. Furthermore, this conference will bring together global thought leaders and innovators to discuss real-world issues, tackle intricate problems and find novel enabling solutions by synthesizing the concept of sustainability in science, technology and research.



**KEYNOTE SPEAKER**

**PROF. JATIN RATH**

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**(c) Applied Science and Sustainable Development:**

- Applied Geophysics
- Geology and hydrogeology
- Mining and metallurgy
- Soil analysis development
- Applied geosciences
- Air and atmospheric development
- Water quality and monitoring
- Other related issues

**(d) Environmental Issues and Sustainable Development:**

- Globalization and environmental movements
- Climate change, global warming and Adaptation
- Carbon capture and storage
- Impact of industrialization on the environment
- Natural resources and sustainability
- Environment and waste management
- Environmental pollution, law and policy
- Environmental data analysis and modeling
- Other related issues

**(e) Built Environment and Sustainable Development**

- Blended Learning in Construction
- Innovation in building materials, construction technology and management
- Construction and sustainable development
- Sustainable design initiative
- Building information modeling in sustainable development
- Sustainable facilities managements

Authors have to submit full length paper(s) which should be complete, concise and cohesive in terms of research. Participants willing to present paper(s) at the conference should submit abstract(s) of not more than 300 words in MS Word format and full length paper(s) by October 15, 2023 to [icssd@covenantuniversity.edu.ng](mailto:icssd@covenantuniversity.edu.ng). Registered and presented full papers will be selected for double blind review for possible publication in ISI/SCOPUS Indexed Journals/Conference proceedings :

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**IOP Conference Series:** Earth and Environmental Science

(APC: \$250)

The proceedings of previous conferences are available online in the following links:

ICSSD2022:

<https://iopscience.iop.org/issue/1755-1315/1197/1>

ICSSD 2021:

<https://iopscience.iop.org/issue/1755-1315/993/1>

ICSSD2020: <https://iopscience.iop.org/issue/1755-1315/655/1>

ICSSD2019: <https://iopscience.iop.org/issue/1742-6596/1299/1>

ICSSD 2018: <https://iopscience.iop.org/issue/1755-1315/173/1>

### CALL FOR PAPERS

The aim of ICSSD2023 is to provide an excellent opportunity for researchers and academics to expose their works to international scrutiny, receive feedback from peers from different parts of the world, gain from the vast experience and expertise of the leaders in the field of research and to open up the scope for new research collaborations among the international, national community of participants and invited delegates.

Only original and previously unpublished work on a range of topics related to the conference sub-themes will be accepted. The conference welcomes paper submissions from researchers, practitioners, academia and students, and will cover myriad tracks in the field of Science, Engineering, as well as interdisciplinary research and applications, but not limited to, the following

### EXPANDED SUB-THEMES:

**Energy and Sustainable Development:**

- Advances in energy technology
- Renewable energy and information technology
- Solar energy technologies (solar PV and thermal)
- Renewable energy education
- Energy storage systems and technologies
- Biofuels and bioenergy
- Conventional fuels (oil, gas, lignite)
- Sustainable national energy growth
- Photonics and Energy materials
- Waste to energy conversion
- AI and ML in Renewable Energy
- Geothermal energy and thermal storage system
- Fuel cell, hydrogen generation
- Energy system modeling
- Hybrid energy systems
- Hydro-power, wind and tidal energy technology
- Off-Grid renewable energy and green Economy
- Impact of renewable energy on women and children
- Renewable energy and youth empowerment

**(b) Engineering and Sustainable Development:**

- Power and energy engineering
- Oil and gas development

### SUBMISSION POLICY

Paper submitted to the conference must comply with internationally acceptable standards for research practice and reporting, including data management; figure preparation, reproducibility and reporting guidelines.

All papers submitted to the conference are expected to be within 15% similarity Index check. All decisions shall be based on the outcome of the peer review process. Before submission, it is expected that authors obtain necessary permission for reusing any part of the work already published elsewhere.

Conference Publication committee reserves the right to withdraw any paper that does not meet with international standards. Issues discovered after publication will be addressed which may lead to correction, retraction, or expression of concern. Editorial committee also reserves the right to contact author's institutions as appropriate

### IMPORTANT DATES

**1st & 2nd Round of full papers submission:** September 30, 2023  
October 15, 2023

**Notification of Acceptance of full papers:** October 31, 2023

### CONFERENCE REGISTRATION FEE

Author Type	Conference Registration	Publication Fee	Closing Date
Industry / Professor / Academician	₦25,000	\$250 per Article in IOP Conference Series	October 15, 2023
	₦30,000		October 30, 2023
Students (Workshop fee inclusive)	₦25,000		N/A
Foreign Participants	\$300	\$250 per Additional Article	October 15, 2023
	\$350		October 30, 2023
Exhibition/Companies	₦50,000		N/A

**For further enquiries:**

<http://icssd.covenantuniversity.edu.ng>

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