

Other related issues

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 September 30, 2021 to [icssd2021@covenantuniversity.edu.ng](mailto:icssd2021@covenantuniversity.edu.ng).

Registered and presented full papers will be published in ISI/SCOPUS Indexed Journals/conference proceedings after rigorous double blind peer review processes:  
IOP Conference Series: Earth and Environmental Science  
IOP Conference Series: Material Science and Engineering

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

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>

ICSSD 2017: <https://www.rgnpublications.com/journals/index.php/jims/issue/view/62>

### 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

**Second round of full papers submission: August 22, 2021**

**Notification of Acceptance of full papers: August 31, 2021**

**Final round of full papers submission: September 15, 2021**

**Final Notification of Acceptance of full papers: September 31, 2021**

## CONFERENCE REGISTRATION FEE

Author Type	Conference Registration	Publication Fee	Closing Date
Industry / Professor / Academician	#25,000	\$100 per Article in IOP Conference Series	Sept. 15, 2021
	#30,000		Sept. 30, 2021
Students (Workshop fee inclusive)	#25,000		N/A
Foreign Participants	\$300	\$100 per Additional Article	Sept. 15, 2021
	\$350		Sept. 30, 2021
Exhibition/Companies	#50,000		N/A

## PAYMENT OPTIONS:

Bank transfer in any of the following Bank Accounts:  
CLEARLY INDICATE "ICSSD 2021" on the teller  
Local Currency (Naira) Foreign Currency (USD)

**Bank:** UBA **Name:** Covenant University Physics ICSSD

**Account No:** 1019962103 **Dollar Account:** 3002229486 (UBA) **Swift Code:** CITIUS33

## For further enquiries:

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## DEPARTMENT OF PHYSICS

*in collaboration with*

## DEPARTMENT OF ESTATE MANAGEMENT

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

Present

5<sup>th</sup> International Conference  
on Science and Sustainable  
Development/2-Day Workshop

# ICSSD 2021

Theme

**ADVANCES IN SUSTAINABLE  
SCIENCE AND TECHNOLOGY:  
Solutions to the 21<sup>st</sup> Century Challenges**

Date

**October 11 - 13, 2021**

Venue

Center for Research, Innovation and Discovery,  
Covenant University, Canaan Land, Ota, Nigeria

# 5<sup>th</sup> International Conference on Science and Sustainable Development/ 2-Day Workshop ICSSD 2021

We invite you to participate in the 5<sup>th</sup> International Conference on Science and Sustainable Development and Workshop. The theme of this year's conference is "Sustainable Science and Technology: Solutions to the 21<sup>st</sup> Century Challenges". This great conference will take place at the Centre for Research, Innovation and Discovery, Covenant University, Ota, Ogun State, Nigeria between 11<sup>th</sup> and 13<sup>th</sup> October, 2021. 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.

One of the major highlights of this year's conference is the introduction of Workshop/Training. The aim of the Workshop is to empower young researchers with the needed skills in the area of data processing and data analysis for modern research. Experts in modelling and simulation will train participants on the use of softwares such as MATLAB., Statistical Package for Social Sciences (SPSS) and Geographic Information System. This 2-day Workshop/Training will come up between 8<sup>th</sup> and 9<sup>th</sup> October, 2021 at the training venue in Centre for Research, Innovation and Discovery, Covenant University, Ota.

## CALL FOR PAPERS

The aim of ICSSD2021 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

### *(a) 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
- Renewable energy and photonics
- Waste to energy conversion
- Energy materials and semiconductors
- 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:*

- Biomedical engineering
- Technology and development
- Mechanical engineering and technology
- Power and energy engineering
- Information engineering and technology
- Oil and gas development
- Chemical, electrical and electronics engineering

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

- Ceramics materials
- Applied Geophysics
- Geology and hydrogeology
- Materials chemistry and sustainable development
- Materials science and engineering
- Mining and metallurgy
- Optical, electronic and magnetic materials
- Soil analysis development
- Nano-material and nano-technology
- Applied geosciences
- Air and atmospheric development
- Water quality and monitoring
- Other related issues

### *(c) Environmental Issues and Sustainable Development:*

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

### *(d) 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
- Real estate valuation and sustainability