*Author can opt for Scopus Indexed and UGC Care Publications, with additional processing charges (Optional).
**Author can opt to publish in conference proceeding with ISBN or in Peer reviewed Journal having ISSN without any additional charges

**ONLINE-INTERNATIONAL CONFERENCE**
**On**

# Recent Advances in Material Sciences, Energy Technologies and Environmental Engineering for Climate Change Mitigation (GREENTECH-2021)

***Organized by:***
**Dr. Govind Chandra Mishra Educational Foundation, New Delhi**

***On***
**1st August, 2021**

- All the sessions will be conducted in "Online Mode".
- All the participants will be provided a web link for joining with detailed schedule before the Conference.
- E Certificates and online publication links will be sent to the participants through emails.

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## CALL FOR PAPERS AND CONFERENCE THEMES:

The Organizer cordially invites abstracts and full length research papers for oral/poster presentation from all over the World to participate in the ***Online-International Conference on Recent Advances in Material Sciences, Energy Technologies and Environmental Engineering for Climate Change Mitigation (GREENTECH-2021)*** is the premier forum for the presentation of new advances and research results in the fields of theoretical, experimental, applied aspects. The conference will bring together leading researchers, Entrepreneurs and Academicians in the domain of interest from around the world. Topics of interest for submission include various subthemes, but are not limited to the conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Scholars for Sustainable Development. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas. All selected papers will be published in International Journal having ISSN No. in online version and that will be released on the day of conference.

## THEMES:

### *Energy Engineering and Smart Materials*

- Non ferrous metal material
- Iron and steel
- High strength alloys
- Materials processing and handling
- Composites
- Micro/Nano materials
- Ceramic
- Optical, Electronic, Magnetic materials
- Carbon based materials
- Metallurgical science
- Metallurgical fundamentals and techniques
- New functional materials
- Building materials
- New energy materials
- Earthquake materials and design
- Biomaterials
- Smart and intelligent materials
- Intelligent materials systems
- Polymeric materials
- Mechanical behavior and fracture
- Tool testing and evaluation of materials
- Processing technology for functional materials
- Function test and evaluation technology for material analysis

### *Hydrogen & Fuel Cell*

- Hydrogen Energy Systems
- Hydrogen End-Use Technology
- Hydropower Development and Utilization

### *Environmental Engineering*

- Carbon capture technologies, CO2 transport, storage and use
- Clean Production Process
- Contaminated land management and site remediation
- Cultivation and Conservation of Forest
- Environmental Chemistry and Biology
- Environmental impact assessment and mitigation
- Environmental policy and regulation development
- Environmental Safety and Health
- Geographic Information and Remote Sensing Science
- Hazardous waste management
- Land Resources Environment and Urban Planning
- Noise and Vibration Control
- Volatile organic compounds (VOC)
- Waste Disposal and Recycling
- Water supply and treatment
- Water, air, noise and land pollution
- Environmental pollution and its effect on ecosystems

- Air pollution control
- Solid waste management
- Modeling, simulation and optimization
- Eco-informatics; Ecological modelling
- Ecosystem assessment
- Impact, risk and life cycle assessment
- Environmental friendly materials
- Sustainable tourism
- Urban and Rural Ecology
- Waste Management (industrial, domestic, natural)
- Environmental Technology and Management
- Biodiversity Conservation & Protected Areas Management
- Ecological and Environmental Quality Studies
- Safety & risk management systems
- Environmental Manufacturing & Engineering
- Biodiversity and its conservation
- Environment and ecological policies
- Conservation, restoration and management of ecosystems / biodiversity
- Treatment processes: physical, chemical and biological
- Environmental auditing; Environmental impact assessment
- Environmental economics, policies and management
- Biotechnology and environment
- Environmental education and professional practices
- Built environment; Environmental performance of building designs
- Environmental management and remote sensing
- LIDAR, hyperspectral and microwave remote sensing
- GIS/GPS applications
- Environmental Laws
- Challenges, global agenda, regulations and policies
- Sustainable development and clean technologies
- Environmental ethics; Environmental education
- Ecological economics and sustainable development

### *Advancement In Energy*
- Advances in Green Energy
- Energy Harvesting and Conservation
- Energy Conversion Techniques
- Energy Storage Batteries and other Storage Devices
- Future Energy Technologies

### *Green Energy in Transport*
- Advance bio-fuel for a sustainable heavy-duty transport and aviation
- Bio-fuels in developing economies
- Hybrid vehicles and its integration

### *Renewable Energy*
- Biomass Industries
- Heating and Cooling Applications
- Hydro power
- Geothermal, Hydraulic
- Energy and heat transfer
- Energy storage & management
- Thermal Energy
- Algorithms, complexity and stability
- Solar cell technology, Solar cell materials, testing and efficiency
- Nanotechnology applications to RE
- Biogas and biomass
- Integrated energy systems

### *Green technology, Renewable energy and Environmental protection*
- Climate and climatic changes
- Corporate Responsibility and Sustainable Development
- Economic and Social aspect of Sustainable Development
- Environmental restoration and ecological engineering
- Global warming Green Energy Options
- Health and the Environment
- Nuclear Energy Fission & Fusion

### *Fuels and Combustion*
- Emissions from ICE and their control
- Alternative fuels
- NG as fuel for rural transportation
- Bio-diesel fuels

### *Solar Photovoltaic Devices and Systems*
- Next Generation (Nano) Photonic and Cell Technologies

### *Wind Energy*
- Wind Power Development Challenges:- Intermittency, RPS, PPAs
- Wind Credits & Incentives (PTCs)
- Managing a Wind Farm
- Connecting Wind to the Grid
- Offshore Wind Power

### *Envirotech, Cleantech and Greentech*
- Green Energy
- Green Building
- Clean Water Technology and Management
- Smart Cities
- Biomass, Biofuel as Green Energy
- Green Information Technology
- Sustainable Materials
- Science for Sustainable Development
- Sustainable Urban Development
- Sustainable Chemical Processes
- Smart and Functional Materials
- Green House Gases
- Adsorption and Gas Storage Materials
- Nanotechnology for Sustainability
- Biotech for Sustainability
- Public-Private Partnerships
- Innovative Green Technologies and Processes
- Green Service Industry: Hospitality and Tourism

### *Climate Change Mitigation and Technologies for Adaptation*
- Agriculture and Climate Change
- Climate Change
- Climate Change Informatics
- Eco-tourism
- Energy and Climate Change

- Forests, Water resources and Climate Change
- Green Chemistry
- Remote Sensing & GIS Applications
- Satellite Meteorology and Climatology
- Smart-Grid Computing and Climate Studies
- Sustainable Development

## IMPORTANTS DATES

***Abstract submission:***

Abstracts not exceeding 250-300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at **info.energyconference@gmail.com** on or before **24th July, 2021.**

***Submission of full length research paper & copyright form:***

Full length research paper, maximum in 6 pages and copyright form should be submitted together as separate attachment latest by **26th July, 2021** through email at- **info.energyconference@gmail.com**

***Submission of registration details:***

Submission of Registration Form/Details: **28th July, 2021**. Registration process can be initiated after receiving acceptance letter of full paper.

## MANDATORY STEPS TO BE FOLLOWED:

1. Abstract should be maximum 300 words, full length research paper should be maximum 6 pages.
2. In case of multi authored research paper, at least one Registration is mandatory.
3. All Selected papers will be available online after 10 to 25 days of conference date over, in order to download the papers the authors need to go in the publication section of Krishi Sanskriti website.

## Registration

The participants are requested to register by sending the duly filled Registration form through e-mail alongwith their research paper and registration fees **(through RTGS/Wire Transfer or Online Transfer).**

Bank Details mentioned below for **RTGS/Wire Transfer or Online Transfer**:

| | | |
|---|---|---|
| **Beneficiary Name** | **:** | **Dr. Govind Chandra Mishra Educational Foundation** |
| **Bank Name** | **:** | **Canara Bank** |
| **Bank Address** | **:** | **Jeet Singh Marg, New Delhi** |
| **Account No.** | **:** | **1484101037210** |
| **Account Type** | **:** | **Saving** |
| **IFSC Code** | **:** | **CNRB0001484** |
| **Swift Code** | **:** | **CNRBINBBBID** |

## Registration Charges:

| Categories | Indian Delegates | Rest of the countries |
|---|---|---|
| Academic Faculty/Industrial Delegates | **2000 INR** | **100 USD** |
| Research Scholars(Ph.D.) | **1500 INR** | **75 USD** |
| Students (UG and PG) | **1200 INR** | **50 USD** |
| Additional Pages as chapter in edited book/proceeding /in Journals | **300 INR** | **20 USD** |
| Only Certificates | **300 INR** | **20 USD** |
| Additional Research paper for same authors | **800 INR** | **35 USD** |

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**https://www.krishisanskriti.org/greentech.html**


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