



# POORNIMA

## COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

# International Conference

## A Report on 2-day International Conference

**TITLE AND DURATION:** “Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)” (June 24-25, 2022)

**SPONSORS:** NIL

**SUPPORTERS:** NIL

**ORGANIZING PARTNERS:** NIL

**PUBLISHER(S):** Springer & IOP Conference Series

**ISBN / PART NO. / INDEXING AGENCY:**

**Name:** IOP Conference Series: Earth and Environmental Science (EES)

**Website:** <https://iopscience.iop.org/journal/1755-1315> (Online ISSN: 1755-1315, Print ISSN: 1755-1307).

**Scope:** <https://iopscience.iop.org/journal/1755-1315/page/scope>

**Indexing:** <https://www.scopus.com/sourceid/19900195068>

### *Special Issue (Direct Submission)*

**Name:** Environmental Science and Pollution Research (ESPR)

**Website:** <https://www.springer.com/journal/11356/> (Electronic ISSN 1614-7499)

**Scope:** [Environmental Science and Pollution Research | Aims and scope \(springer.com\)](https://www.springer.com/journal/11356/aims-and-scope)

**Indexing:** <https://www.scimagojr.com/journalsearch.php?q=23918&tip=sid&clean=0>

### THEMES / TRACKS:

| Track 1: Sustainable/Renewable Energy         |   |
|---|---|
| Alternative Fuels                             | Internal Combustion Engines<br>Performance with Bio-Fuels |
| Bio-Energy, Biomass, and<br>Bio-Fuels         | Renewable Energy Supply and<br>Technologies               |
| Energy Conservation<br>Technologies           | Solar Photovoltaic Technology                             |
| Energy Forecasting and<br>Optimization Models | Sustainable and Renewable Energy                          |

|  |                                   |
|--|-----------------------------------|
| Energy Management Systems                    | Sustainable Building Technologies |
| Energy storage concepts and materials        | Sustainable Solutions             |
| Environmental Sustainability and Development | Waste Energy Utilization          |
| Hydrogen as a Future Energy Source           |                                   |

| Track 2: Environment and Transportation                   |  |
|---|--|
| Advanced Construction Material                            | Intelligent Transport, Smart Traffic Control |
| Climate Change and the Urban Environment                  | Low Carbon Economy and Society               |
| Construction Technology and Equipment                     | Remote Sensing and Gis                       |
| Disaster and Supply Chain Management                      | Road and Bridge Engineering                  |
| Environment Impact Assessment                             | Solid Waste Management                       |
| Environmental Engineering and Management                  | Surface and Ground Water Studies             |
| Global Warming and Greenhouse Gas Mitigation              | Sustainable Transportation Infrastructures   |
| Greenhouse Effect and Climate Change                      | Transportation Safety                        |
| Highway Design and Safety Measures, Mega Structure Design | Wastewater Management and Treatment          |

| Track 3: Green Technologies and Urban Development   |  |
|---|--|
| Advances in Structural Designing                    | Green Nanotechnology                   |
| Emerging and Advanced Green Energy Technologies     | Green Urbanization                     |
| Green Building Technologies                         | Rural Development through Green Energy |
| Green Design, Products, and Manufacturing Processes | Town Planning                          |
| Green Energy Policies and Programs                  | Urban Infrastructures                  |
| Green Energy Trade for Economic Development         | Urban Policies and Management          |

## OBJECTIVES:

The conference on Sustainable Energy, Environment, and Green Technologies (ICSEEGT-2022) is the second International Conference organized at Poornima College of Engineering, Jaipur, Rajasthan, India. This conference aims to bring researchers from academia, government agencies, research laboratories, and the corporate sector together to present their research work in sustainable and renewable energy, environment, and green technologies. Since Green growth is the pursuit of economic development in an environmentally sustainable manner. If the development goal is to improve living standards, access modern energy services, and use energy more efficiently, green growth must play a key role. For this aim, the conference ICSEEGT 2022 can be a great platform to promote research in the subject area and exchange new ideas in these fields among academicians, engineers, scientists, and practitioners across the world.

## EXPECTED OUTCOMES:

The conference will strengthen contacts and foster cooperation among accelerator-based science and application researchers, accelerator manufacturers, facility operators and the coordinators of academic programs in the accelerator sciences, leading to a comprehensive review of the status of accelerator-based research and applications. The conference is expected to generate ideas that will form the basis of future ICSEEGT-2022 programs in the area of research and applications using accelerator technologies.

## BROCHURE / POSTER / LEAFLET / FLYER:

**2<sup>nd</sup> International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)**  
HYBRID MODE  
June 24-25, 2022

After peer review by the journal selected papers from ICSEEGT-2022 will be published in a special issue entitled "Futuristic approach to Energy, Environment, and Green Technologies for Sustainability" in Environmental Science and Pollution Research (ESPR) of Springer.

**SCOPUS** Indexed Publication **IOP Conference Series** Earth and Environmental Science

All accepted and presented paper will be published in IOP Conference Series: Earth and Environmental Science

**ICSEEGT 2022 COMMITTEES**

**CHIEF PATRONS**

- S. M. Seth, Chairman (Emeritus), Poornima Group, Jaipur
- Shashikant Singh, Chairman, Poornima Group, Jaipur

**PATRONS**

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- Han Singh Shukrawar, Director (Infra) (Poornima Group), Jaipur, India
- Rahul Singh, Director (Poornima Group), Jaipur, India

**GENERAL CHAIR**

- Mahesh Bundele, Principal & Director, Poornima College of Engineering, Jaipur, India

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- Ravindra Sahas, Professor, Indian Institute of Technology (RRR), Varanasi, India
- Mansi Neeraj, Professor, Indian Institute of Technology, Bombay, India
- K. S. Reddy, Professor, Indian Institute of Technology, Jaipur, India
- Animesh Kumar Agarwal, Professor, Indian Institute of Technology, Jaipur, India
- B. Ravindra, Associate Professor, Malviya National Institute of Technology, Jaipur, India
- Rohit Goyal, Professor, Malviya National Institute of Technology, Jaipur, India
- A. B. Gupta, Professor, Malviya National Institute of Technology, Jaipur, India
- Dilip Sharma, Professor, Malviya National Institute of Technology, Jaipur, India
- Jyoti Mathur, Professor, Malviya National Institute of Technology, Jaipur, India
- G. D. Agrawal, Professor, Malviya National Institute of Technology, Jaipur, India
- D. Dutta, Director, NISCC, Hyderabad, India

**ORGANIZING CHAIRS**

- Pankaj Dandia, Vice Principal, Poornima College of Engineering, Jaipur, India
- Narayan Lal Jain, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur, India
- Pramod Dandia, Professor and Head, Department of Civil Engineering, Poornima College of Engineering, Jaipur, India

**ORGANIZING SECRETARY**

- Raj Kumar Sankar, Associate Professor, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur, India
- Pooja Gupta, Professor, Department of Civil Engineering, Poornima College of Engineering, Jaipur, India

**ORGANIZED BY**

**POORNIMA COLLEGE OF ENGINEERING**  
Affiliated to RPL, State - Approved by AICTE & UEF under ISO - Accredited by NBA

**CALL FOR PAPERS**

Prospective authors from academia as well as industry are invited to submit their full length papers in ICSEEGT 2022 conference, which have not been yet submitted/ published. Topics of interest for submission include, but are not limited to

**TRACK 1: Sustainable/Renewable Energy**

- Alternative Fuels
- Bio-Energy, Biomass, and Bio-Fuels
- Energy Conservation Technologies
- Energy Forecasting and Optimization Models
- Energy Management Systems
- Energy storage concepts and materials
- Environmental Sustainability and Development
- Hydrogen as a Future Energy Source
- Internal Combustion Engines Performance with Bio-Fuels
- Renewable Energy Supply and Technologies
- Solar Photovoltaic Technology
- Sustainable and Renewable Energy
- Sustainable Building Technologies
- Sustainable Water Studies
- Waste Energy Utilization

**TRACK 2: Environment and Transportation Engineering**

- Advanced Construction Material
- Climate Change and the Urban Environment
- Construction Technology and Equipment
- Disaster and Supply Chain Management
- Environment Impact Assessment
- Environmental Engineering and Management
- Global Warming and Greenhouse Gas Mitigation
- Greenhouse Effect and Climate Change
- Highway Design and Safety Measures, Mega Structure Design
- Intelligent Transport, Smart Traffic Control
- Low Carbon Economy and Society
- Remote Sensing and GIS
- Road and Bridge Engineering
- Solid Waste Management
- Surface and Groundwater Studies
- Sustainable Transportation Infrastructures
- Transportation Safety
- Wastewater Management and Treatment

**TRACK 3: Green Technologies and Urban Development**

- Advances in Structural Designing
- Emerging and Advanced Green Energy Technologies
- Green Building Technologies
- Green Design, Products, and Manufacturing Processes
- Green Energy Policies and Programmes
- Green Energy Trade for Economic Development
- Green Nanotechnology
- Green Urbanization
- Rural Development through Green Energy
- Town Planning
- Urban Infrastructures
- Urban Policies and Management

**IMPORTANT DATES**

- Last Date of Paper Submission: April 30, 2022
- Acceptance Notification: May 10, 2022
- Camera Ready Paper Submission: May 31, 2022
- Last Date of Registration: June 10, 2022

**REGISTRATION FEES**

| Category                            | Indian                     | International              |
|-------------------------------------|----------------------------|----------------------------|
| Regular Author Academician/Industry | 7500 INR                   | 200 USD                    |
| Regular Author Student (PG/Ph.D)    | 7000 INR                   | 180 USD                    |
| Regular Author Student (UG)         | 6500 INR                   | 150 USD                    |
| Attendee / Co Author                | 60% of Respective Category | 60% of Respective Category |

**AUTHOR GUIDELINES**

- All the papers should strictly be prepared as per author guidelines of IOP Conference series format.
- The manuscript (Max 10 pages) should be thoroughly checked for grammatical or typographical errors before submission.
- Authors should ensure that the similarity score (including Bibliography) for their research paper should not above 20 %.
- All the reviewed manuscripts should be submitted in PDF format without authors name & affiliations using Moresier Conference Management Systems only.

**Conference website** <https://www.poornima.org/international-conference/>

**Submission link** <https://www.moresier.com/call-for-papers/6246d63af06260001102b93e>

**CONFERENCE VENUE**

Poornima College of Engineering  
131-6 RIICO Institutional Area, Sitapura, Jaipur-302022, India  
[www.poornima.org](http://www.poornima.org)

**CORRESPONDENCE/QUERY**

Organizing Secretary, ICSEEGT 2022  
E-mail: [icseegt2022@poornima.org](mailto:icseegt2022@poornima.org)  
Contact Number (e): +91-9600011028

**Dr. Mahesh Bundele**  
B.E., M.E., Ph.D.  
Director  
Poornima College of Engineering  
131-6, RIICO Institutional Area  
Sitapura, JAIPUR


**PROGRAM OUTLINE/ PROGRAM SCHEDULE:**

**CONFERENCE SCHEDULE (HYBRID MODE)**

**DAY-I, FRIDAY, JUNE 24, 2022**

| <b>TIME<br/>(IST)</b>         | <b>EVENT</b>  | <b>GUEST/SPEAKER/HOST</b>  | <b>Session Link (MS<br/>Teams)/Venue</b>   |
|-------------------------------|---|--|--|
| <b>8:30 AM–<br/>9:00 AM</b>   | <b>Registration and Gathering of<br/>Participants</b> |  |  |
| <b>9:00 AM–<br/>9:45 AM</b>   | <b>Inaugural<br/>Ceremony</b>                         | <p><b>Chief Guest:</b><br/> <b>Professor S.A Sherif</b>, Department<br/> of Mechanical and Aerospace<br/> Engineering, University of Florida,<br/> USA</p> <p><b>Guest of Honor (s):</b><br/> <b>1. Professor L.M. Das</b>, Former<br/> Professor, Centre for Energy<br/> Studies, Indian Institute of<br/> Technology, Delhi, India<br/> <b>2. DR. L. N. Thakural</b>, Senior<br/> Scientist, Surface Water Division,<br/> National Institute of Hydrology,<br/> Roorkee, India</p> <p><b>Session Host(s):</b><br/> <b>Dr. Pooja Gupta and Mr. Sanjay<br/> Kumawat</b>, Poornima College of<br/> Engineering, Jaipur, India</p> | <p><b>Offline Mode:</b><br/> <b>PCE, CAMPUS</b><br/> <b>(Seminar Hall,<br/> CG-05)</b><br/> +<br/> <b>Virtual Mode: MS<br/> Teams Platform</b><br/> <a href="https://tinyurl.com/ICS-EEGT-2022">https://tinyurl.com/ICS-EEGT- 2022</a></p> |
| <b>9: 45AM–<br/>10:15 AM</b>  | <b>Session Break</b>                                  |  |  |
| <b>10:15 AM–<br/>11: 00AM</b> | <b>Keynote<br/>Session<br/>-I</b>                     | <p><b>Title of Talk:</b> <i>Energy<br/>Efficient and<br/>Environment-Friendly Porous<br/>Radiant Burners for Cooking and<br/>Industrial Applications</i></p> <p><b>Speaker: Professor P.<br/>Muthukumar</b>, Department of<br/>Mechanical Engineering, Indian<br/>Institute of Technology, Guwahati,<br/>India</p> <p><b>Session Host: Mr. Kalpit Jain</b>,<br/>Poornima<br/>College of Engineering, Jaipur,<br/>India</p>   | <p><a href="https://tinyurl.com/ICS-EEGT-2022">https://tinyurl.com/ICS-EEGT- 2022</a></p>  |



|                         |                              |   |   |
|-------------------------|------------------------------|---|---|
|                         |                              | <b>Session Chair(s): Dr. Narayan Lal Jain &amp; Dr. Pran Nath Dadhich,</b><br><b>Poornima College of Engineering, Jaipur, India</b><br><b>Moderator: Mr. Rahul Sharma,</b><br><b>Poornima College of Engineering, Jaipur, India</b>   |   |
| <b>11:45 AM-12:15PM</b> | <b>Session Break</b>         |   |   |
| <b>12:15 PM-2:15 PM</b> | <b>Technical Session-II</b>  | <b>Session Chair: Dr. Salifu Tahiru Azeko,</b><br>Tamale Technical University,<br>Tamale, Ghana<br><b>Moderator: Mr. Sanjay Kumawat,</b><br>Poornima College of Engineering, Jaipur, India  | <a href="https://tinyurl.com/TS-2-ICSEEGT-2022">https://tinyurl.com/TS-2-ICSEEGT-2022</a>   |
|                         | <b>Technical Session-III</b> | <b>Session Chair: Dr. Tanuj Chopra,</b><br>Thapar Institute of Engineering and Technology, Patiala, India<br><b>Moderator: Mr. Divya Vishnoi,</b><br>Poornima College of Engineering, Jaipur, India   | <a href="https://tinyurl.com/TS-3-ICSEEGT-2022">https://tinyurl.com/TS-3-ICSEEGT-2022</a>   |
|                         | <b>Technical Session-IV</b>  | <b>Session Chair (s): (s):</b><br><b>1. Dr. Puneet Kumar Jain,</b><br>National Institute of Technology, Rourkela, India<br><b>2. Dr. Ram Niwash Mahia,</b><br>National Institute of Technology, Hamirpur, India<br><b>Moderator: Dr. Monika Vardia,</b><br>Poornima College of Engineering, Jaipur, India | <a href="https://tinyurl.com/TS-4-ICSEEGT-2022">https://tinyurl.com/TS-4-ICSEEGT-2022</a>   |
| <b>2:15 PM-2:30 PM</b>  | <b>Session Break</b>         |   |   |
| <b>2:30 PM-3:15 PM</b>  | <b>Keynote Session-II</b>    | <b>Title: Recent Advances Materials on Energy Storage Technology and Sustainability</b>   | <a href="https://tinyurl.com/ICS-EEGT-2022">https://tinyurl.com/ICS-EEGT-2022</a><br><br><b>Dr. Mahesh Bundele</b><br>B.E., M.E., Ph.D.<br>Director<br>Poornima College of Engineering<br>ISI-6, RICO Institutional Area<br>Sitapura, JAIPUR |
|                         |                              | <b>Speaker: Dr. M. V. Reddy,</b><br>Senior Professional Researcher, Nouveau Monde Graphite (New Graphite World) (NMG), Quebec, Canada<br><b>Session Host: Mr. Rahul Sharma,</b><br>Poornima   |   |

|                     |                            |   |   |
|---------------------|----------------------------|---|---|
|                     |                            | College of Engineering, Jaipur,<br>India  |   |
| 3:15 PM-<br>4:00 PM | Keynote<br>Session-<br>III | <b>Title:</b> <i>Noble Metal-Free Electrocatalysts for Oxygen Reduction Reaction in Low-Temperature Fuel Cells</i>  |   |
|                     |                            | <b>Speaker:</b> Dr. Wong Wai Yin,<br>Research Fellow, and Senior Lecturer, Fuel Cell Institute, Universiti Kebangsaan, Malaysia<br><b>Moderator:</b> Dr. Monika Vardia,<br>Poornima College of Engineering, Jaipur, India | <a href="https://tinyurl.com/ICS EEGT- 2022">https://tinyurl.com/ICS EEGT- 2022</a> |

DAY-II, SATURDAY, JUNE 25, 2022

| TIME<br>(IST)        | EVENT                          | GUEST/SPEAKER/HOST   | Session Link (MS<br>Teams)  |
|----------------------|--------------------------------|--|---|
| 8:30 AM -<br>9:15 AM | Keynote<br>Session-<br>IV      | <b>Title:</b> <i>Hydrometeorological<br/>Disasters as a<br/>Consequence of Climate Change</i>  | <a href="https://tinyurl.com/ICS&lt;br/&gt;EEGT- 2022">https://tinyurl.com/ICS<br/>EEGT- 2022</a>   |
|                      |                                | <b>Speaker:</b> <b>Dr. Arindam Dey</b> ,<br>Department<br>of Civil Engineering & Center for<br>Disaster Management and<br>Research (CDMR), Indian Institute<br>of Technology Guwahati, India<br><b>Session Host:</b> <b>Mr. Kalpit Jain</b> ,<br><i>Poornima<br/>College of Engineering, Jaipur,<br/>India</i> |   |
| 9:15 AM-<br>9:30 AM  | <i>Session<br/>n<br/>Break</i> |  |   |
| 9:30AM -<br>11:30 AM | Technic<br>al<br>Session-<br>V | <b>Session Chair:</b> <b>Dr. Pankaj<br/>Dumka</b> , Jaypee University of<br>Engineering and Technology,<br>Guna, India<br><b>Moderator:</b> <i>Dr. Surendra Kumar<br/>Saini</i> ,<br><i>Poornima College of Engineering,<br/>Jaipur, India</i>   | <a href="https://tinyurl.com/&lt;br/&gt;TS-5-&lt;br/&gt;ICSEEGT-&lt;br/&gt;2022">https://tinyurl.com/<br/>TS-5-<br/>ICSEEGT-<br/>2022</a> |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RICO Institutional Area  
Sitapura, JAIPUR

|                    |                                   |  |   |
|--------------------|-----------------------------------|--|---|
|                    | Technic<br>al<br>Session-<br>VI   | <b>Session Chair: Dr. Pradeep Kumar Gautam</b> , National Institute of Technology Meghalaya, India<br><b>Moderator: Mr. Divya Vishnoi</b> , Poornima College of Engineering, Jaipur, India   | <a href="https://tinyurl.com/TS-6-ICSEEGT-2022">https://tinyurl.com/TS-6-ICSEEGT-2022</a> |
|                    | Techni<br>cal<br>Session<br>- VII | <b>Session Chair (s): Dr. Narayan Lal Jain and Dr. Pran Nath Dadhich</b> , Poornima College of Engineering, Jaipur, India<br><b>Moderator: Mr. Sanjay Kumwat</b> , Poornima College of Engineering, Jaipur, India  | <a href="https://tinyurl.com/TS-7-ICSEEGT-2022">https://tinyurl.com/TS-7-ICSEEGT-2022</a> |
| 11:30 AM -11:45 AM | Session<br>n<br>Break             |  |   |
| 11:45AM - 12:30 PM | Keynot<br>e<br>Session-<br>V      | <b>Title: Sustainable Livelihoods and Adaptation to Climate Change</b><br><b>Speaker: Dr. Ravindra S. Gavali</b> , Head, Centre for Natural Resource Management, Climate Change & Disaster Mitigation (CNRD, CCC&DM), National Institute of Rural Development & Panchayati Raj, Hyderabad, India | <a href="https://tinyurl.com/ICS EEGT- 2022">https://tinyurl.com/ICS EEGT- 2022</a>       |
|                    |                                   | <b>Session Host: Mr. Rahul Sharma</b> , Poornima College of Engineering, Jaipur, India   |   |
| 12:30 PM- 1:00 PM  | Session Break                     |  |   |
| 1:00 PM – 1:45 PM  | Keynote<br>Session-<br>VI         | <b>Title: Hydrogen as a Future Fuel</b><br><b>Speaker: Dr. Dilip Sharma</b> , Malviya National Institute of Technology, Jaipur, India<br><b>Session Host: Mr. Kalpit Jain</b> , Poornima College of Engineering, Jaipur, India   | <a href="https://tinyurl.com/ICSE EGT- 2022">https://tinyurl.com/ICSE EGT- 2022</a>       |
|                    |                                   |  |   |
| 2:00 PM- 2:30 PM   | Session Break                     |  |   |

|                                    |  |  |   |
|------------------------------------|--|--|---|
| <p><b>2:30 PM-<br/>3:15 PM</b></p> | <p><b>Valedictory<br/>Ceremony</b></p> | <p><b>Chief Guest:</b><br/><b>Dr. Herb S. Rhee</b>, Managing Director, Innovative Technology and Energy Centre (ITEC), Tanzania</p> <p><b>Guest of Honor:</b></p> <p><b>1. Anand Krishnan Plappally</b>, Head, Center for Emerging Technologies for Sustainable Development (CETSD), Indian Institute of Technology, Jodhpur, India.</p> <p><b>2. Dr. Perumalla Janaki Ramulu</b>, Director, Centre of Excellence for Advanced Manufacturing Engineering, Adama Science &amp; Technology University Adama, Ethiopia</p> <p><b>Session Host(s):</b><br/><b>Dr. Pooja Gupta and Mr. Sanjay Kumawat</b>, Poornima College of Engineering, Jaipur, India</p> | <p><a href="https://tinyurl.com/ICSE">https://tinyurl.com/ICSE</a><br/><b>EGT- 2022</b></p> |
|------------------------------------|--|--|---|



## INAUGURAL SESSION:

**2<sup>nd</sup> International Conference on Sustainable Energy, Environment and Green Technologies (ICSEEGT 2022)**

**HYBRID MODE**

**June 24-25, 2022**

Organized by  
**POORNIMA**  
COLLEGE OF ENGINEERING  
Affiliated to RTU, Kota • Approved by AICTE & UGC under 2(f) • Accredited by NBA

Publication Support by  
**Springer**

**IOP Conference Series**  
Earth and Environmental Science

**INAUGURAL CEREMONY**  
Day & Date : Friday, June 24, 2022 • Time: 09:00 AM to 09:45 AM (IST)

**CHIEF GUEST**  
**Professor S. A. Sherif**  
Department of Mechanical & Aerospace Engineering  
University of Florida, USA

**GUEST OF HONOUR**  
**Dr. L. N. Thakural**  
Senior Scientist, Surface Water Division  
Water & Environment Institute of Hyderabad, India  
**Prof. L. M. Das**  
Former Professor, Indian Institute of Technology, Delhi, India

**SESSION CHAIRS**  
**Prof. (Dr.) Mahesh M. Bundeale**  
Director, ICSEEGT 2022  
**Dr. Salifu Tahiru Azeko**  
Associate Professor, Ghana  
**Dr. Puneet Kumar Jain**  
NIT, Patna, India  
**Dr. Ram Niwash Mahia**  
NIT, Hamirpur, India  
**Dr. Pankaj Chandra**  
Jawahar Institute of Engineering and Technology, Patna, India  
**Dr. Pradeep Kumar Goulam**  
NIT, Patna, India  
**Dr. Tanuj Chopra**  
Jawahar Institute of Engineering and Technology, Patna, India  
**Prof. (Dr.) Narayan Lal Jain**  
NIT, Patna, India  
**Dr. Pran Nath Dadhich**  
NIT, Patna, India

**KEYNOTE SPEAKERS**  
**Dr. P. Muthukumar**  
Professor, IIT Guwahati, India  
**Dr. Divya Vishnoi**  
Professor, IIT Guwahati, India  
**Dr. M. V. Reddy**  
Senior Professional Researcher, Nouveau Monde Graphite, Canada  
**Dr. Wang Wei Yin**  
Associate Professor, IIT Guwahati, India  
**Dr. Ravindra S. Gavali**  
Associate Professor, IIT Guwahati, India  
**Dr. Arindam Dey**  
Associate Professor, IIT Guwahati, India

**ORGANISING SECRETARIES**  
**Dr. Pankaj Chandra**  
Jawahar Institute of Engineering and Technology, Patna, India  
**Dr. Pran Nath Dadhich**  
NIT, Patna, India

The inaugural session was followed by a keynote session of Professor P. Muthukumar, Professor, Indian Institute of Technology, Guwahati, India, on the *Energy Efficient and Environment Friendly Porous Radiant Burners for Cooking and Industrial Applications*. Later, four parallel technical sessions were organized on the first day, where authors and participants participated and presented their papers. Overall, 186 research papers were received for ICSEEGT 2022 from different organizations worldwide, out of which our expert team of reviewers accepted 102 papers. The research papers in this conference were invited considering these three tracks: sustainable/renewable energy, environment and transportation, green technologies, and urban development. The presenters and attendees participated with full enthusiasm in all the technical sessions. As a result, 43 papers were presented in the technical sessions on the first day. The first Technical Session in offline mode was chaired by Dr. Narayan Lal Jain and Dr. Pran Nath Dadhich, and moderated by Mr. Rahul Sharma of Poornima College of Engineering, Jaipur, India. The second Technical Session was chaired by Dr. Salifu Tahiru Azeko, Tamale Technical University, Tamale, Ghana: Mr. Sanjay Kumawat, Poornima College of Engineering, was the moderator for this session. Dr. Tanuj Chopra from Thapar Institute of Engineering and Technology, Patiala, India chaired the third Technical Session. The second and third session moderators were Mr. Divya Vishnoi and Mr. Sanjay Kumawat, Poornima College of Engineering respectively. Dr. Puneet Kumar Jain, National Institute of Technology, Raurkela, and Dr. Ram Niwash Mahia, National Institute of Technology, Hamirpur, India chaired the fourth Technical Session and moderated Dr. Monika Vardia from Poornima College of Engineering.

The day ended with a keynote session on *Recent Advances Materials on Energy Storage Technology and Sustainability* by Dr. M V Reddy, Senior Professional Researcher, Nouveau Monde Graphite (New graphite world) (NMG), Quebec, Montreal, Canada.



On the second day of this conference, ICSEEGT 2022, two more technical sessions were organized and about 40 more accepted papers were presented. The sessions were chaired by Dr. Pankaj Dumka, Jaypee University of Engineering and Technology, Guna, India and Dr. Pradeep Kumar Gautam, National Institute of Technology Meghalaya, Dr. Surendra Kumar Saini, and Mr. Divya Vishnoi, PCE were the moderators for these sessions. There were three keynote sessions organized on this day. The first keynote talk, entitled *Noble Metal-Free Electro catalysts for Oxygen Reduction Reaction in Low-Temperature Fuel Cells*” was delivered by Dr. Wong Wai Yin, Research Fellow/ Senior Lecturer Fuel Cell Institute, University Kebangsaan Malaysia. The second talk title was *Sustainable Livelihoods and Adaptation to Climate Change* and Dr. Ravindra S. Gavali, delivered it, representing National Institute of Rural Development & Panchayati Raj, Hyderabad. The third session was on *Hydrogen as a Future Fuel* by Dr. Dilip Sharma, Malviya National Institute of Technology, Jaipur, India.

At the end of the second day in the valedictory ceremony, Dr. Herb S. Rhee, Managing Director, Innovative Technology and Energy Centre (ITEC), Tanzania, joined as the chief guest. In contrast, Dr. Anand K. Plappally, Head, Center for Emerging Technologies for Sustainable Development (CETSD), IIT Jodhpur, India, Dr. Perumalla Janaki Ramulu, Director, Centre of Excellence for Advanced Manufacturing Engineering, Adama Science and Technology University Adama, Ethiopia participated as the guest of honor of the ceremony. On the contrary, the event was a great success with addresses and sessions of learned persons, wholehearted participation from all our authors, co-authors, attendees, and an expert team of reviewers, coordinators, staff members, and organizing team members.

## DETAILS OF RESOURCE PERSONS/ ORGANIZING COMMITTEES:

### Chief Patrons:

- **Dr. S.M. Seth**, Chairman Emeritus Poornima Group, Former Director, National Institute of Hydrology, Roorkee, India
- **Sh. Shashikant Singhi**, Chairperson, Poornima Group, Jaipur, India

### Patrons:

- **Sh. M.K.M, Shah**, Director General, Poornima Group, Jaipur, India
- **Sh. Hari Singh Shekhawat**, Director infrastructure, Poornima Group, Jaipur, India
- **Ar. Rahul Singhi**, Director, Poornima Group, Jaipur, India

### General Chair:

- **Dr. Mahesh Bunde**, Principal & Director, Poornima College of Engineering, Jaipur, India

### Organizing Chairs:

- **Pankaj Dhemia**, Vice Principal, Poornima College of Engineering, Jaipur, India
- **Dr. Narayan Lal Jain**, Head of the Department, Mechanical Engineering, Poornima College of Engineering, Jaipur, India
- **Dr. Pran Nath Dadhich**, Head of the Department, Civil Engineering, Poornima College of Engineering, Jaipur, India

### Conveners/Organizing Secretary:

- **Dr. Raj Kumar Satankar**, Department of Mechanical Engineering, Poornima College of Engineering, Jaipur, India
- **Dr. Pooja Gupta**, Department of Civil Engineering, Poornima College of Engineering, Jaipur, India

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- **Dr. Rosalin Sahoo**, Professor, Indian Institute of Technology (BHU), Varanasi, India
- **Dr. Manoj Neergat**, Professor, Indian Institute of Technology, Bombay, India
- **Dr. K.S. Reddy**, Professor, Indian Institute of Technology, Madras, India
- **Dr. Avinash Kumar Agarwal**, Professor, Indian Institute of Technology, Kanpur, India

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| ● <b>Dr. B. Ravindra</b> , Associate Professor, Indian Institute of Technology, Jodhpur, India      |
| ● <b>Dr. Rohit Goyal</b> , Professor, Malaviya National Institute of Technology, Jaipur, India      |
| ● <b>Dr. A. B. Gupta</b> , Professor, Malaviya National Institute of Technology, Jaipur, India      |
| ● <b>Dr. Dilip Sharma</b> , Professor, Malaviya National Institute of Technology, Jaipur, India     |
| ● <b>Dr. Jyotirmay Mathur</b> , Professor, Malaviya National Institute of Technology, Jaipur, India |
| ● <b>Dr. G. D. Agrawal</b> , Professor, Malaviya National Institute of Technology, Jaipur, India    |
| ● <b>Dr. D. Dutta</b> , Director, NRSC, Hyderabad, India  |

**Technical Program Committee:**

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|---|
| ● <b>Dr. Vitalis Anye</b> , Senior Lecturer, Department of Materials Science and Engineering, African University of Science and Technology, Abuja, Nigeria. |
| ● <b>Dr. Kabiru Mustapha</b> , Senior Lecturer Department of Materials Science and Engineering, Kwara State University, Malete, Nigeria                     |
| ● <b>Dr. Anand K Plappally</b> , Associate Professor, Indian Institute of Technology, Jodhpur, India  |
| ● <b>Dr. T. N. Verma</b> , Assistant Professor, Maulana Azad National Institute of Technology, Bhopal, India  |
| ● <b>Dr. Rahul Goyal</b> , Professor, Manipal University Jaipur   |
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| ● <b>Dinesh Kumar Rajendran</b> , Assistant Professor, National Institute of Technology, Srinagar   |
| ● <b>Dr. P. Sudhakar Rao</b> , Assistant Professor, NITTTR, Chandigarh  |
| ● <b>Dr. K. B. Rana</b> , Assistant Professor, Rajasthan Technical University, Kota, India  |

**Reviewer(s):**

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| ● <b>Dr. Abhishek Jain</b> , SKIT M&G Jaipur, India                                      |
| ● <b>Dr. Aditya R. Gautam</b> , Birla Institute of Technology and Science, Pilani, India |
| ● <b>Dr. Ahmed Albahnasawi</b> , Gebze Technic University, Turkey                        |
| ● <b>Dr. Akshay Jain</b> , Symbiosis University of Applied Sciences Indore, India        |
| ● <b>Dr. Ali Fadhil Naser</b> , Al-Furat Al-Awsat Technical University, Iraq             |
| ● <b>Dr. Anil Kumar Sharma</b> , National Institute of Technology Patna, India           |
| ● <b>Dr. Anjali Peter</b> , Apex University, Jaipur, India                               |
| ● <b>Mr. Anjaly J Pillai</b> , Indian Institute of Technology Guwahati, India            |



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| • <b>Dr. Basuraj Bhowmik</b> , Gitam School of Technology, Gitam University, Bangalore, India                    |
| • <b>Dr. Bindhu B.K.</b> , Rajiv Gandhi Institute of Technology, Kottayam, India                                 |
| • <b>Dr. Biswajit Acharya</b> , Rajasthan Technical University Kota, India                                       |
| • <b>Dr. Chandni Tiwari</b> , Graphic Era (Deemed To Be University), Dehradun, India                             |
| • <b>Dr. Deepika Shekhawat</b> , Manipal University Jaipur, India  |
| • <b>Dr. Denis Jangeed</b> , Geetanjali Institute of Technical Studies Udaipur Rajasthan, India                  |
| • <b>Mr. Harendra Pratap Singh</b> , Indian Institute of Science Bangalore, India                                |
| • <b>Dr. Jyoti Shukla</b> , Poornima College of Engineering, Jaipur, India                                       |
| • <b>Dr. K. I. Syed Ahmed Kabeer</b> , SRM Institute of Science And Technology, Srm Nagar, Kattankulathur, India |
| • <b>Dr. Karan Singh</b> , GH Rasoni College of Engineering and Management, Pune, India                          |
| • <b>Dr. Khubi Lal Khatri</b> , Swarnim Startup and Innovation University, Gandhinagar, India                    |
| • <b>Mr. Kuldeep</b> , Rajasthan Technical University, Kota, India   |
| • <b>Dr. N. R. N. V. Gowripathi Rao</b> , Aditya Engineering College, Andhra Pradesh, India                      |
| • <b>Dr. Navita Mahajan</b> , Amity International Business School, Noida, India                                  |
| • <b>Dr. Neha Bansal</b> , SRM Institute of Science and Technology, Chennai, India                               |
| • <b>Dr. P. Kavipriya</b> , Sathyabama Institute of Science and Technology, Chennai, India                       |
| • <b>Dr. Pankaj Dumka</b> , Jaypee University of Engineering and Technology, Guna, India                         |
| • <b>Dr. Paresh Gujarati</b> , C G Patel Institute of Technology (Uka Tarsadia University), Bardoli, India       |
| • <b>Dr. Pradeep Kumar Gautam</b> , National Institute of Technology Meghalaya, India                            |
| • <b>Dr. Prarthita Basu</b> , Shriram Institute For Industrial Research, Delhi, India                            |
| • <b>Dr. Pravin Sonwane</b> , Poornima College of Engineering, Jaipur, India                                     |
| • <b>Dr. R. K. Kumawat</b> , I K Gujral Punjab Technical University, Amritsar, India                             |
| • <b>Dr. Rahul Sen</b> , Poornima University, Jaipur, India  |
| • <b>Dr. Raj Shree Charan</b> , MSU Baroda, India  |
| • <b>Dr. Ranjit N. Patil</b> , Priyadarshini Bhagwati College of Engineering, Nagpur, India                      |
| • <b>Dr. Rashmi Kumari</b> , National Institute of Technology Hamirpur, India                                    |
| • <b>Dr. Richa Jagatramka</b> , Manipal University Jaipur, India   |
| • <b>Dr. Sangeeta Choudhary</b> , Geetanjali Institute of Technical Studies, Udaipur, India                      |


**Dr. Mahesh Bundela**  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RILCO Institutional Area  
Sitapura, JAIPUR



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| ● <b>Dr. Seelam Srikanth</b> , Reva University Bengaluru, India                                       |
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| ● <b>Dr. Thiyam Tamphasana Devi</b> , National Institute of Technology Manipur, India                 |
| ● <b>Dr. Vikash Kumar</b> , Maulana Azad National Institute of Technology Bhopal, India               |
| ● <b>Dr. Vipin Sharma</b> , Sagar Institute of Research and Technology Bhopal, India                  |
| ● <b>Dr.P.Sivagurunathan</b> , Annamalai University, Chidambaram, India                               |
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| ● <b>Mr. Deepak Singh</b> , Delhi Technological University Delhi, India                               |
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| ● <b>Mr. Manoj Dubey</b> , Jaypee University of Engineering and Technology, Guna, India               |
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| ● <b>Mr. Padala Raja Shekar</b> , National Institute of Technology Trichy, India                      |
| ● <b>Mr. Prem Ranjan</b> , North Eastern Regional Institute of Science and Technology, Nirjuli, India |
| ● <b>Mr. Rahul Kanaoujiya</b> , University of Allahabad, Pragyagraj, India                            |
| ● <b>Mr. Ramkiran B.</b> , Sastra Deemed University, Kumbakonam, India                                |
| ● <b>Mr. Rohit Kumar</b> , Dr. B R Ambedkar National Institute of Technology Jalandhar, India         |
| ● <b>Mr. Sachin Jain</b> , Indian Institute of Technology Roorkee, India                              |
| ● <b>Mr. Sameer Gujar</b> , Visvesvaraya National Institute of Technology Nagpur, India               |
| ● <b>Mr. Sandeep Kumar</b> , Indian Institute of Technology Delhi, India                              |
| ● <b>Mr. Sohil Sisodiya</b> , Rajasthan Technical University, Kota, India                             |
| ● <b>Mr. Vinay Chahar</b> , Government Engineering College Bharatpur, India                           |
| ● <b>Mr. Vishwa Deepak Kumar</b> , Indian Institute of Technology Jodhpur, India                      |
| ● <b>Ms. Behnaz Shirdel</b> , Islamic Azad University, Tabriz Branch, Tabriz, Iran                    |
| ● <b>Ms. Dipti Trivedi</b> , Jawaharlal Nehru College of Technology, Rewa, India                      |


## KEYNOTE SPEAKERS:

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| <b>TITLE OF THE TALK</b> | Noble Metal-Free Electro catalysts for Oxygen Reduction Reaction in Low-Temperature Fuel Cells  |   |
| <b>SPEAKER:1</b>         | <b>Dr. WONG WAI YIN</b><br>Research Fellow/ Senior Lecturer Fuel Cell Institute, Universiti Kebangsaan Malaysia.  |  |
| <b>PROFILE LINK</b>      | <a href="https://scholar.google.com/citations?user=t3xOL00AAAAJ&amp;hl=en&amp;oi=ao">https://scholar.google.com/citations?user=t3xOL00AAAAJ&amp;hl=en&amp;oi=ao</a> |   |

### BRIEF BIO SKETCH

**Dr. Wong Wai Yin** is currently a research fellow at the Fuel Cell Institute, Universiti Kebangsaan Malaysia (2016 – present). She received her Ph.D. degree in Fuel Cell Engineering (2014) at the Universiti Kebangsaan Malaysia with National Science Fellowship Malaysia Award. She received her bachelor's degree in Chemical Engineering (2009) with distinction at the same university. Currently, her research is focusing on design, characterization, and application of electrocatalysts and proton exchange membranes for polymer electrolyte membrane fuel cell and water electrolyser technologies. She has led several national and university research projects, as well as being active project members in university level, ministry level and industrial projects related to hydrogen and fuel cell technology development. She has published more than 70 papers and 3 book chapters with current H-index of 19 on Scopus. She has been invited by 5 international conferences/symposium to deliver keynote/invited speech. She is also an active reviewer for various SCIE journals from Elsevier, Wiley, Springer and RSC. She involves herself with the editor roles for several journals such as Frontiers in Chemistry, International Journal of Integrated Engineering and Journal of Engineering, Science and Technology. She has graduated 9 PhD and Master students and currently supervising 16 postgraduate students. She has been collaborated actively with researchers from Japan, China and Indonesia and managed to secure research funding from Chinese company on fuel cell materials development in 2022. She has also acted as a consultant for techno-economic analysis on biomass conversion into value-added product in 2020. Recently, she has been appointed as lead consultant for a project involving the development of component materials in Alkaline Electrolyte Membrane Electrolyser. She is active in organizing conference/symposium/workshop with various roles such as chairperson, co-chair, and deputy chairman and committee members since she joined as an academician. She is currently acting as the vice chairman for hydrogen working group on developing fuel cell technology related technical codes, under the Malaysian Technical Standard Forum Bhd. She and her team has successfully published one technical code related to hydrogen safety, and two more technical codes under way for final publication. She is also the

member of the Malaysian Association of Hydrogen Energy established in 2017 and I Chem E.

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| <b>TITLE OF THE TALK</b> | Energy Efficient and Environment Friendly Porous Radiant Burners for Cooking and Industrial Applications                             |   |
| <b>SPEAKER:2</b>         | <b>PROF. P. MUTHUKUMAR</b><br>Professor, Department of Mechanical Engineering,<br>Indian Institute of Technology,<br>Guwahati, India |  |
| <b>PROFILE LINK</b>      | <a href="https://www.iitg.ac.in/pmkumar/">https://www.iitg.ac.in/pmkumar/</a>  |   |


#### BRIEF BIO SKETCH

Prof. P. Muthukumar received PhD degree in Mechanical Engineering from IIT Madras during 2005. He joined at IIT Guwahati as Assistant Professor in January 2006 and became Professor in January 2015. He joined at IIT Tirupati as Professor in Mechanical Engineering on 25<sup>th</sup> May 2022. He received DAAD research fellowships during September – December 2000, June-July 2008, and June - July 2010. He is the recipient of IEI Young Engineer Award - 2010 in Mechanical Engineering from Institute of Engineers (India). He received **Bhaskara Advanced Solar Energy Fellowship (BASE Fellowship)** from Indo -


U.S. Science and Technology Forum (USIEF), Jan 2014 and also received Er. M.P. Baya National Award 2015 from Instituted by the Institution of Engineers (India), Udaipur. He is also the Fellow of Institute of Engineers (India). He is one of the Commission Member to represent India in the International Institute of Refrigeration (IIR). He also received **Fulbright-Nehru Academic and Professional Excellence Fellowship from (USIEF) in 2018**. He has served as the President, Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), Guwahati sub-chapter. He also received “Mechanical Engineering Design Award 2017, from **National Design & Research Forum (NDRF) of “The Institution of Engineers (India)”, on 21st Dec 2017**. During 2019, he was honoured as Eminent Engineer -2019 from “The Institution of Engineers (India)”, Assam State Centre. In 2020, he appeared in the **World’s Top 2 % Scientist published by Stanford University**, USA report. He has won **BIRAC- Innovation Challenge Award-SoCH 2020-21 for stage – 1 and stage – 2**. He was honoured with an award of Outstanding Engineering service to country by the Institution of Engineers (India), Rajasthan state centre on 15<sup>th</sup> September 2021. To recognise his outstanding contributions in the field of Thermal Science and Energy Technology as well as his contribution in the growth of the country’s engineering profession, recently, he has been awarded for t

Kalam Technology Innovation National Fellowship 2021”. He served as visiting Professor in many Universities from the USA and Germany and also having research collaborations with over 25 International Universities.

He has been published around 350 research articles in various International Journals and conference proceedings, edited four books and written 16 book chapters. He is having 12 national patents for his credit. He has served as guest editor in 3 elsevier Journal special issues. He has supervised 24 PhD, 65 M.Tech and 5 MS student’s theses. He has successfully completed 10 sponsored research projects worth of 650 lakhs and five consultancy projects worth of 75 lakhs. Currently he is handling 7 research projects worth of 1200 lakhs. He is the reviewer of more than 75 International Journals in the area of hydrogen energy, energy storage, refrigeration, heat transfer, etc. and also reviewed several research proposals from DST, MNRE, Qatar Research Board, etc. He has been serving as expert member in several ministries including DST, MHRD, Ministry Oil and Natural Gas, Ministry of External Affair, etc for research project funding and monitoring. He is also expert / steering committee member in BIS, AICTE, NAAC and many other professor organizations. His area of research includes sorption heating and cooling systems, hydrogen energy storage, metal hydride based thermal machines, coupled heat and mass transfer in porous medium, porous medium combustion, etc.

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|-------------------|---|---|
| TITLE OF THE TALK | Hydrometeorological Disasters as a Consequence of Climate Change  |   |
| SPEAKER:3         | <b>DR. ARINDAM DEY</b><br>Associate Professor<br>Department of Civil Engineering & Center for Disaster Management and Research (CDMR)<br>Indian Institute of Technology Guwahati Guwahati |  |
| PROFILE LINK      |   |   |
| BRIEF BIO SKETCH  |   |   |

Dr. Arindam Dey is currently an Associate Professor in the Geotechnical Engineering Division, Department of Civil Engineering, Indian Institute of Technology Guwahati. He obtained his B.E. from Jadavpur University, Kolkata (in 2003), followed by M.Tech. (in 2005) and Ph.D. (in 2009) from IIT Kanpur. Before joining IIT Guwahati in 2011, he has been a post-doctoral fellow at the StreGa Laboratory, University of Molise, Italy. He works in varied fields of geotechnical engineering including foundation engineering, geotechnical earthquake engineering, geophysical investigation, computational geotechnics and slope stability and landslides. His current research group includes 8 PhD students and 3 MTech students, and has already supervised 7 PhDs and 22 M. Tech students. His research group has more than 250 technical contributions in international/ national journals and conference/seminar proceedings including books, chapters and technical reports. He is a member of several professional bodies including ISSMGE TC-208 Committee on ‘Slope Stability and Landslides’, IGS, TRG, IEI, and FOSET. He has received several research awards, and has been an active research consultant in the area of geotechnical engineering

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|-------------------|---|---|
| TITLE OF THE TALK | Recent advances materials on energy storage technology and sustainability   |   |
| SPEAKER:4         | <div>DR. M V REDDY</div> <div>Senior Professional Researcher,<br/>Nouveau Monde Graphite (New<br/>graphite world) (NMG),<br/>Quebec, Montreal, Canada</div> |  |
| PROFILE LINK      | <a href="https://scholar.google.com/citations?user=pWKr2M0AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=pWKr2M0AAAAJ&amp;hl=en</a>             |   |
| BRIEF BIO SKETCH  |   |   |



Dr. M.V. Reddy obtained his Ph. D (2003) in the area of Materials Science and Engineering (with highest distinction) from the University of Bordeaux, France. From July 2003 to May 2019, he worked at the Department of Materials Science and Engineering, Chemistry and Physics, National University of Singapore (NUS). Singapore. June 2019 to Aug 2021, he had worked at the Centre of Excellence in Transportation Electrification and Energy Storage, Hydro-Québec, Canada. Currently working as a Senior Professional Researcher at Nouveau Monde Graphite (New graphite world) (NMG), Quebec, Montreal, Canada.

Over the past 21 years, he has conducted leading research on Materials for Energy Storage (cathodes, anodes, supercapacitors and electrolytes), Materials processing & characterization, and the development of in situ techniques for Energy storage renewable technologies.

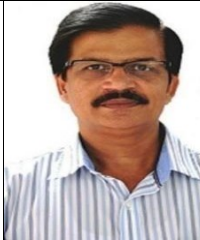
Dr. Reddy has published 220 papers in various international journals. He has obtained an h- index of 68 with over 17000 citations. These have recently placed him within the top 2% highly cited researchers in Energy (world Ranking the 1002<sup>nd</sup> out of 186500 researchers) and Highly cited Researcher in Materials Science in Canada (National ranking:39)

Dr. Reddy is serving as an editorial advisory board member in Materials Research Bulletin and Journal of Energy Storage (Elsevier, Scopus journal) as well as several open access journals

Awards: Outstanding Science Mentorship Award (2010- 2018), and Inspiring Research Mentor Award (2011 to 2019), 2021 Battery Materials electrochemistry award from the Electrochemical Society of India, Indian Institute of Science (IISc), Bangalore, India.

Invited life member in ICDD USA and given 150 talks at various conferences and workshops & FDP.

Invited committee member in various international Research proposals, theses and conference organizations and visiting Professor at various Universities.


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|---|--|---|
| TITLE OF THE TALK   | Hydrogen As a Future Fuel  |   |
| SPEAKER:5   | PROF DILIP SHARMA<br>Professor, HAG<br>Malaviya National<br>Institute of Technology<br>Jaipur (MNIT), Jaipur,<br>India |  |
| PROFILE LINK  | <a href="https://mnit.ac.in/dept_mech/profile?fid=Qgk=">https://mnit.ac.in/dept_mech/profile?fid=Qgk=</a>              |   |
| BRIEF BIO SKETCH  |  |   |
| <p>Prof. Dilip Sharma is a Mechanical Engineering Graduate (1988) from MREC Jaipur (Now known as MNIT Jaipur). After working with CIMMCO Ltd, Bharatpur for a short while, he joined Roorkee University for Post Graduation in Thermal Engineering and was awarded with University Medal for securing highest marks in Post Graduation. Dr. Sharma joined as a faculty in Mechanical Engineering (1992) at MREC, which is now known as MNIT Jaipur. He is presently working as Head, Mechanical Engineering Department.</p> <p>He has done research in the field of biodiesels, engine performance, emissions and tribology investigations at MNIT Jaipur and was awarded Ph.D. degree from University of Rajasthan Jaipur.</p> <p>12 students have completed Ph.D. under his supervision and 04 are pursuing in the field of Alternate Sources of energy. He has published more than 150 research papers in Journals and Conferences. He has filed 07 patents (2 Awarded), published 15 books and 07 book chapters. Dr. Sharma has completed 07 major R&amp;D projects. He has done more than 41 consultancy projects.</p> <p>He had been a member of various Selection Committees, Academic Councils and Board of Studies Various Universities and Colleges.</p> <p>He is associated with various academic bodies such as NBA, NAAC, AICTE and TEQIP etc. He had also been member of various committees in UPSC, DRDO and RPSC etc. He had been a member of Research Degree committee of PTU Jalandhar and MANIT Bhopal. He is actively associated in innovation activities and is a board member of State Innovative council (SIC)</p> <p>(Earlier known as GIAN) and member of many other bodies working in the field of Innovations.</p> <p>He was a member of Technical committee for finalizing the specifications of buses for BRTS (Bus Rapid Transit System) in Jaipur.</p> |  |   |

  
**Dr. Mahesh Bundele**  
 B.E., M.E., Ph.D.

Director  
 Poornima College of Engineering  
 ISI-6, RIICO Institutional Area  
 Sitapura, JAIPUR

Dr. Sharma has taken various assignments at MNIT, Jaipur, such as Dean (Students Welfare & Alumni Affairs), Associate Dean (Students Welfare and Alumni Affairs), Coordinator Institute Security, Coordinator Transportation, Coordinator Central Workshop, Coordinator Alumni Affairs, Hostel Warden, Vice President Games and Sports, Assistant Proctor, In-charge of Institute Guest house etc.

He at present is working with Alcohols, Hydrogen, Acetylene, Biodiesels, Waste vegetable oils and other additives as substitution fuel in I.C. engines for single generation as well as trigeneration. He is also working in the field of Solar Cogeneration and Trigeneneration systems.

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| TITLE OF THE TALK | Sustainable Livelihoods and Adaptation to Climate Change   |  |
| SPEAKER:6         | <b>DR. RAVINDRA S. GAVALI</b><br>Professor & Head, School of Sustainable Development, Centre for Natural Resource Management, Climate Change & Disaster Mitigation (CNRM, CC & DM). National Institute of Rural Development & Panchayati Raj, Rajendra Nagar, Hyderabad, India |  |
| PROFILE LINK      | <a href="http://nirdpr.org.in/drrsgavali.aspx">http://nirdpr.org.in/drrsgavali.aspx</a>  |  |
| BRIEF BIO SKETCH  |  |  |

**Dr. Ravindra S. Gaval** is currently working as a Professor & Head at School of Sustainable Development, Centre for Natural Resource Management, Climate Change & Disaster Mitigation (CNRM, CC & DM), at National Institute of Rural Development & Panchayati Raj, Hyderabad, India. Professor Ravindra has obtained his Ph.D. in Environmental Science, JNU, New Delhi, India. He is having a research experience of 18 years in the area of Natural Resource Management and Conservation, Water Watershed Management, Climate Change, Disaster Management, Rural Development, Geoinformatics, Water Pollution Monitoring and Assessment.

**Dr. Ravindra** has been an expert member of various committees including, National Committee of India-IIASA (Technology and International Institute for Applied Systems Analysis, Austria) Programme. National Advisory Committee on Climate Resilient Agriculture, DST-TIFAC. Project Assessment Committee,

Advisory Committee, SRTM University, Nanded, Policy Research Advisory Committee, NIRDPR etc. In his competent leadership he has conducted several national & international trainings on natural resource management, application on remote sensing & GIS, watershed management, biodiversity conservation, climate change, Disaster management etc.

**Dr. Ravindra** is a Life Member, INSEE – Indian Society for Ecological Economics, Indian Society of Remote Sensing, Indian Science Congress Association and member of Indian Environment Network, Conservation Alliance, UK and Kalinga Development Foundation. Being an excellent researcher, he has published 30 international papers, 24 National research papers and delivered more than 100 expert talks at national and international events. Till date he has guided 12 PhD students, completed 5 major and 3 Consultancy Projects

#### PLENARY TALK SPEAKERS:

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|-------------------------|---|-------------------------|
| <b>CHIEF GUEST</b>      | <b>Professor S.A. Sherif,</b><br>Department of<br>Mechanical and<br>Aerospace Engineering,<br>University of Florida,<br>USA | ICSEEGT202<br>2_T3_3152 |
| <b>BRIEF BIO SKETCH</b> |   |                         |


Dr. S.A. Sherif is a tenured Professor of Mechanical and Aerospace Engineering and is the Founding Director of the Wayne K. and Lyla L. Masur HVAC Laboratory, the Director of the Industrial Assessment Center and the Director of the Mobile Energy Laboratory at the University of Florida. He served as Co-Director of the Southeastern Center for Industrial Energy Intensity Reduction at the University of Florida (2009-2013). He also served on the faculties of the University of Florida (1991-present), University of Miami (1987-1991), and Northern Illinois University (1984-1987). He is a Life Fellow of ASME, a Life Fellow of ASHRAE, a Fellow of the Royal Aeronautical Society, an Associate Fellow of AIAA, a Vice President of Commission B-2 on Refrigerating Equipment and a Member of Commission B-1 on Thermodynamics and Transfer Processes of the International Institute of Refrigeration, a Member of the Advisory Board of Directors of the International Association for Hydrogen Energy, and a Founding Member of the Board of Directors of the American Society of Thermal and Fluids Engineers (ASTFE). He is the 2013-2014 Chair of the ASME Heat Transfer

Division Executive Committee (2009-2016) and a member of the ASME's Basic Engineering Group Operating Board (2010-2014). He is also the 2002-2003 Chair of the ASME Advanced Energy Systems Division, and a past chair of the K-19 Committee on Environmental Heat Transfer of the ASME Heat Transfer Division (2003-2007), the Coordinating Group on Fluid Measurements (1992-1994) and the Fluid Applications and Systems Technical Committee (2008-2010) of the ASME Fluids Engineering Division. He is also a past chair of the Steering Committee of the Intersociety Energy Conversion Engineering Conference (2001-2003), ASHRAE's Standards Project Committee 41.6 on Measurement of Moist Air Properties (1989-1994), and ASHRAE's TC1.1 Committee on Thermodynamics and Psychrometrics (2012-2013). He also served as a member of the ASME's Energy Resources Board (2001-2003) and was the Board's representative to the ASME's International Mechanical Engineering Congress Committee (2003-2006). He was the Head of the Refrigeration Section of ASHRAE (2004-2008), the Technical Conference Chair of both the 2008 ASME Summer Heat Transfer Conference and the 12th AIAA/ASME Thermophysics and Heat Transfer Conference (2018), a member of the ASME Frank Kreith Energy Award Selection Committee (2005-2011), and the General Conference Chair of the 2013 ASME Summer Heat Transfer Conference. He also served as the Technical Conference Co-Chair of the 2nd ASTFE Thermal and Fluids Engineering Conference (2017) and the Technical Discipline Chair of the 2019 AIAA Aviation and Aeronautics Forum and the 2020 AIAA Science and Technology Forum. Dr. Sherif is currently serving as an ABET Program Evaluator (PEV) in Mechanical Engineering (2019-2024).

Dr. Sherif currently serves as Editor-in-Chief of the ASME Journal of Solar Energy Engineering (1/1/2020-1/1/2025). He also served as Editor-in-Chief of the ASME Journal of Thermal Science and Engineering Applications (1/1/2014-6/30/2019). He currently serves as Subject Editor of Solar Energy (2004-2021), and a Subject Editor Emeritus of the International Journal of Hydrogen Energy (2011-present). He is a past Associate Technical Editor of the ASME Journal of Heat Transfer (2007-2011) and the ASME Journal of Thermal Science and Engineering Applications (2011-2014). He is also a past Subject Editor of the International Journal of Hydrogen Energy (2005-2010) and a past Book Review Editor of ASME's Applied Mechanics Reviews (2001-2008). He is on the editorial boards of 22 other thermal science journals such as Applied Thermal Engineering, Heat Transfer – Asian Research, the International Journal of Exergy, and the International Journal of Energy for a Clean Environment. He has served as member or chair of over 60 administrative and technical committees in five professional societies.



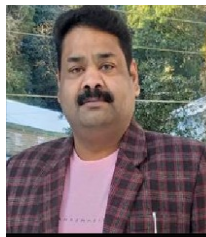
350 conference organizing or scientific committees, and as chair or member of over 265 master's and doctoral committees. Dr. Sherif has given over 150 invited lectures worldwide. He is the recipient of the E.K. Campbell Award of Merit from ASHRAE in 1997 for "outstanding service and achievement in teaching" and a "TIP" teaching award from the University of Florida in 1998. In 2000, 2004, and 2007, he was selected by the University of Florida as an Anderson/CLAS Scholar Faculty Honoree. He is the recipient of the 2001 Kuwait Prize in Applied Sciences, a Heat Transfer Division 75th Anniversary Medal (2013), an ASHRAE Distinguished Service Award (2003), an ASHRAE Exceptional Service Award (2010), and two Best Paper Awards from AIAA (2005) and ASME (2005). He is the recipient of three "Certificates of Recognition for Research Contributions" from NASA, a Premium of Academic Excellence (PACE) Award from Iowa State University, four research awards from the University of Miami, and a "Graduate Research and Artistry Award" from Northern Illinois University. He has received certificates of appreciation from the ASME Board of Governors, Heat Transfer Division, Solar Energy Division, Advanced Energy Systems Division, Fluids Engineering Division, ASME's International Mechanical Engineering Congress Committee, the Japan Society of Mechanical Engineers (JSME), ASHRAE, AIAA, ASTFE, and numerous conference-organizing committees. In 2007, he received a Superior Accomplishment Award from the University of Florida's Office of the Provost. In 2008, he was elected as an ASHRAE Distinguished Lecturer. In 2018, he was awarded a UF Research Foundation Term Professorship (2018-2021) and in 2021 was awarded an MAE Excellence Term Professorship (2021-2024). Dr. Sherif has 140 refereed journal papers, one book, 20 published bound volumes, 24 book chapters, 155 conference papers, 190 technical reports, and two US patents.

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| <b>GUEST OF HONOR</b> | <b>Professor L. M. Das</b><br>Former Pro<br>Centre for E<br>Studies, Indian<br>of Technolog<br>India  |
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#### BRIEF BIO SKETCH

Dr. L. M. Das is currently Retired Professor at the Centre for Energy Studies, IIT Delhi. He took his Bachelor's degree in Mechanical Engineering from Regional Engg college, Rourkela in 1970 and M Tech degree from Indian Institute of Technology, Kharagpur and PhD from IIT, Delhi Dr Das has got a teaching/research experience of about thirty

eight years to his credit. His primary areas of research interest include development of alternative-fuelled low emission engines/vehicles. He has supervised 34 PhD theses and about 78 M. Tech Projects in this area. Dr Das has published more than 80 research papers in various independently refereed international and national journals in the area of alternative fuels such as Hydrogen, CNG, Biodiesel and Hydrogen-CNG blend. Dr. Das has had a close international research interaction. He had several research assignments in University of California, Riverside (USA), Thornton Research Centre, Chester, (England) INRETS, Lyon, (France) and at the Institution Superior Technico, Lisbon (Portugal). He had delivered invited lectures in several international symposia/conferences in India and abroad such as USA, England, France, Germany, Japan, Switzerland, Australia, Belgium, Netherlands, Thailand, Moscow, Turkey Philippines, Nepal and Srilanka. He was a Member, Expert Group on Transportation constituted by the Steering Group of the National Hydrogen Energy Board, India as well as a Member of the CAR (Core group of Automotive Research) of the Govt of India. He was the Convener of the Technical Committee of the World Hydrogen Technology Convention held in August 2009 at New Delhi. Extremely eco-conscious in his research models aiming at sustainable growth and development he has been rather passionate about the use of Biodiesel extracted from several Indian non-edible seeds in existing vehicles. As part of a sponsored project by General Motors, vehicle was operated on road from Delhi to Kanyakumari using 20% biodiesel .He has been awarded “Rajiv Gandhi Samman” by the Department of Science and Technology, Government of Orissa as an Exemplary Scientist and Educationist for Achievements and contributions in the field of Non-conventional Energy Sources in 2005. This year in 2012 he has been a winner at the “Innovators Competition” for DST-Lockheed Martin India Innovation Growth Program. Dr Das has had several consultancy/projects sponsored by UNIDO, General Motors (USA), European Union, Shell, MNRE, and DST. With an effort to transfer the technology from lab to land, Dr Das has coordinated an academia-industry UNIDO-Sponsored project consortium consisting of IIT, Delhi, Mahindra and Air products with support from UNIDO-ICHET, UNIDO (India) and ITPO in which world’s first fleet of hydrogen-operated three wheelers were demonstrated during Auto-expo 2012 in New Delhi.

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| <b>GUEST OF HONOR</b>   | <b>DR. L. N. Thakural</b><br><br>Senior Scientist, Surface Water<br>Division, National Institute of<br>Hydrology, Roorkee, India |  |
| <b>BRIEF BIO SKETCH</b>   |  |   |
| <p>Dr. L N Thakural, an alumnus of the Indian Institute of Technology (IIT), Roorkee, he is graduated in Civil Engineering from Jamia Millia Islamia, New Delhi in 1994. He was awarded a Diploma in Geo-informatics for Environmental Assessment and Disaster Management from the Indian Institute of Remote Sensing, Dehradun in 2003. He achieved M. Tech with specialization in Water Resources Development from the Indian Institute of Technology (IIT), Roorkee in 2007 and was awarded with PhD in “Streamflow modeling and Climate Change” from IIT Roorkee.</p> <p>Dr. Thakural is presently working as Scientist-D in the National Institute of Hydrology, Roorkee under the Ministry of Jal Shakti, Government of India. He has over 24 years of professional experience in water resources and management. He specializes in Remote Sensing and GIS applications in water resources, Hydrological modeling, Climate change and Irrigation Water Management. He has published several technical research papers in National/International Journals and conferences and has been involved in many R &amp;D/Consultancy projects. He is also member of the editorial board of technical journals. Dr. Thakural have guided M Tech students from IIT Roorkee, DTU (Delhi), BHU (Banaras), MANIT (Bhopal) MMMUT (Gorakhpur), Graphic Era University (Dehradun) and internship students. He has been the coordinator for technical visits by government officials/students from various academic institutes and organizations.</p> <p>He has been on technical visit to United Kingdom and Nepal. He is a recipient of the Best Research Paper Award by the International Society of Science and Technology (ISST), Mumbai. He has organized several national and international training programs for field engineers and academic institutes.</p> <p>He is a Nodal officer for the Swachh Bharat Mission, Jal Shakti Abhiyan and the State Specific Action Plan for Water launched by the Ministry of Jal Shakti, Government of India. He is also a Key Resource Person for the Jal Jeevan Mission. He is being honored with the title “Swachhta Hero” of Roorkee for his involvement and contribution to Swachhta programs led by the Government of India. He is an expert</p> |  |   |

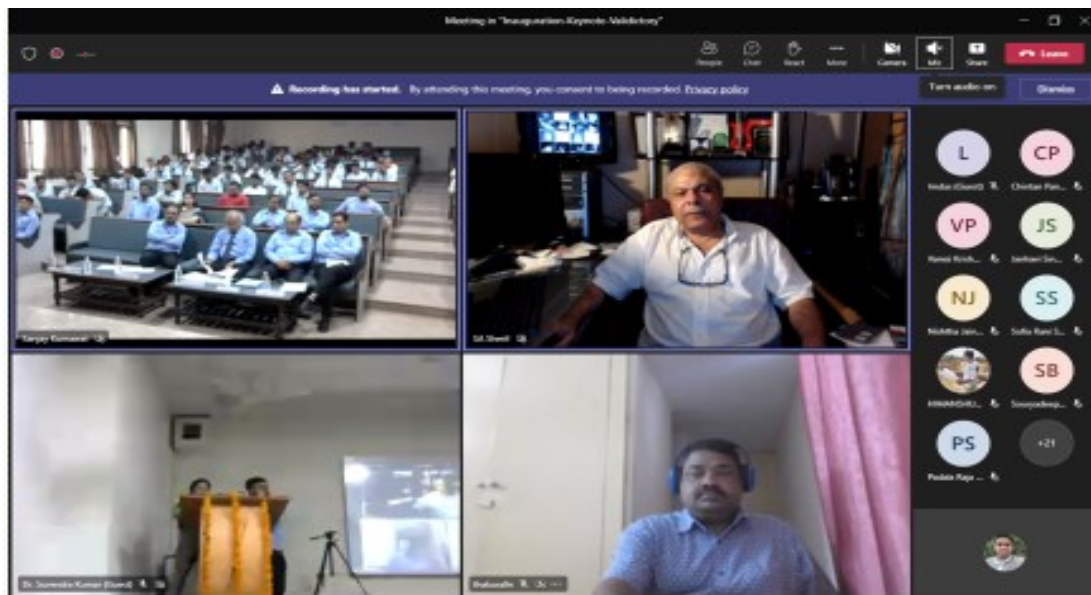
  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.

Director  
 Poornima College of Engineering  
 ISI-6, RICO Institutional Area  
 Sitapura, JAIPUR

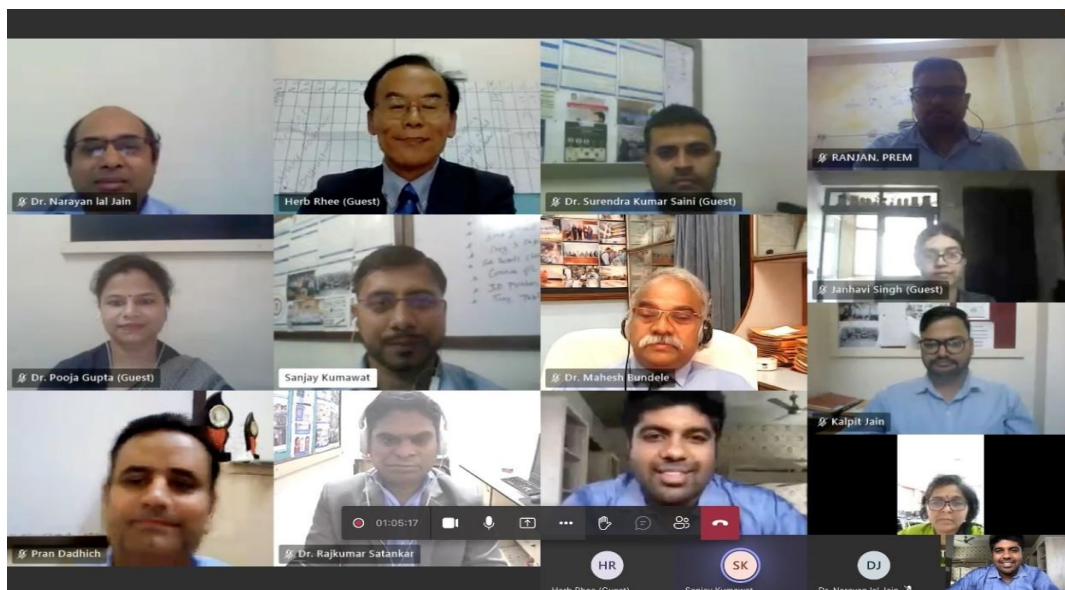
member of various committees related to water resources.

**CONTENT DELIVERY / PRACTICAL SESSIONS: NIL**

**GLIMPSES OF PRESENTATIONS:**







### LIST OF PARTICIPANTS:

| Paper ID | Title  | First Author Name   | First Author Email         | First Author Affiliation                | Reviewed at              | Reviewer Name          | Decision          |
|----------|--|---------------------|----------------------------|---|--------------------------|------------------------|-------------------|
| 1        | AAC Blocks an Innovation as Eco-friendly Material in Construction  | Dr. Pooja gupta     | Pooja.gupta@poornima.org   | Poornima College of Engineering, Jaipur | 2022-04-07 09:32:14+0000 | Raj                    | Rejected          |
| 2        | Quality Assessment of Composts from different Organic sources  | Parveen parihar     | Pparihar253@gmail.com      | Bhartiya Skill Development University   | 2022-05-23 10:00:33+0000 | Dr. Prarthita Basu     | Accepted          |
| 2        | Quality Assessment of Composts from different Organic sources  | Parveen parihar     | Pparihar253@gmail.com      | Bhartiya Skill Development University   | 2022-05-24 09:33:50+0000 | N r n v gowripathi rao | Accepted          |
| 3        | Framework for freight movement in Bangalore city, India  | Dr. Seelam srikanth | Ssheelamsrikanth@gmail.com | REVA University                         | 2022-04-22 10:19:55+0000 | Dr Biswajit Acharya    | Accepted          |
| 3        | Framework for freight movement in Bangalore city, India  | Dr. Seelam srikanth | Ssheelamsrikanth@gmail.com | REVA University                         | 2022-04-28 08:31:47+0000 | Sohil Sisodiya         | Accepted          |
| 5        | Application of eco-friendly and smart materials in geotechnical engineering for subgrade stabilization: a review | Piyush              | Piyushkolhe007@gmail.com   | Sant Gadge Baba Amravati University     | 2022-04-27 06:06:52+0000 | Basuraj Bhowmik        | Accepted          |
| 5        | Application of eco-friendly and smart materials in geotechnical engineering for subgrade stabilization: a review | Piyush              | Piyushkolhe007@gmail.com   | Sant Gadge Baba Amravati University     | 2022-05-14 08:52:43+0000 | Anjaly J Pillai        | Accepted          |
| 7        | Experimental investigations and quasi dimensional modelling of spark ignition engine fueled with                 | Manjunatha swamy km | Manjukm11411@gmail.com     | Siddaganga Institute of Technology      | 2022-04-29 09:04:07+0000 | VIKASH KUMAR           | changes requested |



|    |   |                           |                              |   |                          |                       |                   |
|----|---|---------------------------|------------------------------|---|--------------------------|-----------------------|-------------------|
|    | gasoline and oxyhydrogen gas mixture  |                           |                              |   |                          |                       |                   |
| 7  | Experimental investigations and quasi dimensional modelling of spark ignition engine fueled with gasoline and oxyhydrogen gas mixture | Manjunathaswamy           | Manjukm11411@gmail.com       | Siddaganga Institute of Technology        | 2022-05-23 09:39:14+0000 | Dr. Akshay Jain       | Changes requested |
| 8  | Tannery Waste as a Partial Replacement of Cement in Mortar  | Dr. Md. Naimul haque      | Naimul@ewubd.edu             | East West University                      | 2022-05-23 10:17:56+0000 | Dr.Prarthita Basu     | Rejected          |
| 8  | Tannery Waste as a Partial Replacement of Cement in Mortar  | Dr. Md. Naimul haque      | Naimul@ewubd.edu             | East West University                      | 2022-05-05 07:46:09+0000 | K I SYED AHMED KABEER | Rejected          |
| 10 | Low frequency Vibration Energy Harvester using Compliant Mechanism driven Rosen-type Piezoelectric Transformer                        | Nilanjan chatteraj        | Nilanjan.chatteraj@gmail.com | National Institute of Technology Durgapur | 2022-05-30 17:03:16+0000 | Dr. Jyoti Shukla      | Accepted          |
| 10 | Low frequency Vibration Energy Harvester using Compliant Mechanism driven Rosen-type Piezoelectric Transformer                        | Nilanjan chatteraj        | Nilanjan.chatteraj@gmail.com | National Institute of Technology Durgapur | 2022-06-09 11:52:04+0000 | Md. Mustafa Kamal     | Accepted          |
| 11 | Relationship of shading devices and its effects on daylight in Commercial buildings in Pune.  | Pradnya nishad patki      | Pradnyapatki@bkps.edu        | BKPS College of Architecture              | 2022-04-28 06:53:23+0000 | Rashmi Kumari         | Accepted          |
| 11 | Relationship of shading devices and its effects on daylight in Commercial buildings in Pune.  | Pradnya nishad patki      | Pradnyapatki@bkps.edu        | BKPS College of Architecture              | 2022-05-23 10:44:36+0000 | Dr Biswajit Acharya   | Accepted          |
| 13 | A Bibliometric Analysis of Sustainability Centered Corporate Social Responsibility Research in the Year 2000s                         | Dr.umesh kumar chaturvedi | Umesh.chaturvedi@glac.ac.in  | GLA University                            | 2022-05-24 14:56:49+0000 | Dr. P. Kavipriya      | Accepted          |
| 13 | A Bibliometric Analysis of Sustainability Centered Corporate Social Responsibility Research in the Year 2000s                         | Dr.umesh kumar chaturvedi | Umesh.chaturvedi@glac.ac.in  | GLA University                            | 2022-05-27 04:33:18+0000 | Mr. Denis Jangeed     | Accepted          |
| 14 | Analysis and providing solutions for the rectification of black spots on nh-27(old nh-28)   | Vishal pandey             | Pandeyvisha1750@gmail.com    | Galgotias University                      | 2022-05-09 17:57:38+0000 | RAHUL KANAO UJIYA     | Accepted          |
| 14 | Analysis and providing solutions for the rectification of black spots on nh-27(old nh-28)   | Vishal pandey             | Pandeyvisha1750@gmail.com    | Galgotias University                      | 2022-05-24 08:02:52+0000 | Sohil Sisodiya        | Accepted          |
| 15 | Experimental Investigation of Direct Injection Diesel Engine  | Jatadhara G S             | Jatadhara@sit.ac.in          | Siddaganga Institute of Technology        | 2022-05-14 17:25:26+0000 | Dr. Mahesh Bunde      | Accepted          |

|    |   |                           |                              |  |                          |                            |          |
|----|---|---------------------------|------------------------------|--|--------------------------|----------------------------|----------|
|    | using Waste Plastic oil as fuel   |                           |                              |  |                          |                            |          |
| 16 | A case study on indore brts with reference to other indian cities   | Jayati singh              | Jayatisingh97@gmail.com      | Galgotias University                             | 2022-06-07 09:45:12+0000 | Dr. Akshay Jain            | Accepted |
| 17 | Making roads safer and congestion-free in aligarh city for pedestrians and two-wheeler users  | Shahbaz shamshad khan     | Ms.shahbaz344@gmail.com      | Galgotias University                             | 2022-05-27 10:39:15+0000 | Sachin Jain                | Accepted |
| 17 | Making roads safer and congestion-free in aligarh city for pedestrians and two-wheeler users  | Shahbaz shamshad khan     | Ms.shahbaz344@gmail.com      | Galgotias University                             | 2022-06-03 08:13:35+0000 | Dr Biswajit Acharya        | Accepted |
| 21 | Estimation of fatigue and rutting life using falling weight deflectometer of flexible pavement road in hilly terrain                | Gagan sharma              | Gagan.vashishtha98@gmail.com | Galgotias University                             | 2022-05-24 12:32:50+0000 | Akashdeep Dey              | Accepted |
| 22 | A study of on-street parking vehicle in sonapat city  | Harivansh kumar chaudhary | Harivanshbi et@gmail.com     | Galgotias University                             | 2022-05-20 14:49:02+0000 | Harendra Pratap Singh      | Accepted |
| 26 | Soil dissolved organic carbon leaching characteristics of the coastal saline seep weed wetlands in the Wuleidaowan national wetland | Yijie zhang               | 1227032587@qq.com            | Beijing Jiaotong University                      | 2022-05-27 06:47:52+0000 | Sivagurunathan Paramasivam | Accepted |
| 26 | Soil dissolved organic carbon leaching characteristics of the coastal saline seep weed wetlands in the Wuleidaowan national wetland | Yijie zhang               | 1227032587@qq.com            | Beijing Jiaotong University                      | 2022-05-28 04:52:39+0000 | Ashish Solanki             | Accepted |
| 28 | Relation between traffic volume count and accident data and diverting the traffic to new greenfield alignment                       | Harivansh kumar chaudhary | Harivanshbi et@gmail.com     | Galgotias University                             | 2022-05-19 17:00:40+0000 | Harendra Pratap Singh      | Accepted |
| 32 | Perpetual Flexible Pavement vs. Rigid Pavement: An Economic and Environmental Cost Comparison                                       | Rahul kumar               | 20mce212@nith.ac.in          | National Institute of Technology Hamirpur        | 2022-06-06 08:29:16+0000 | Anil Kumar Sharma          | Accepted |
| 33 | Measuring the Level of Road Safety Through Road Safety Audit and Star Rating Method – A Case Study From Himalayan Expressway        | Saurabh kumar s           | 20mce216@nith.ac.in          | National Institute of Technology Hamirpur, India | 2022-06-06 08:27:18+0000 | Anil Kumar Sharma          | Accepted |
| 33 | Measuring the Level of Road Safety Through Road Safety Audit and Star Rating Method – A Case Study From Himalayan Expressway        | Saurabh kumar s           | 20mce216@nith.ac.in          | National Institute of Technology Hamirpur, India | 2022-06-07 10:36:18+0000 | Amit Madhanrao Kharwade    | Accepted |
| 34 | Standard Operating Procedure for Assessment and Rating of National  | Sunil sharma              | Sunils@nith.ac.in            | National Institute of Technology Hamirpur, India | 2022-05-20 06:03:34+0000 | Dr. Mahesh Bundele         | Accepted |

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|----|---|------------------------------|---|--|--------------------------|-----------------------|----------|
|    | Highways based on Highway Efficiency  |                              |   |  |                          |                       |          |
| 34 | Standard Operating Procedure for Assessment and Rating of National Highways based on Highway Efficiency           | Sunil sharma                 | Sunils@nith.ac.in                                 | National Institute of Technology Hamirpur, India           | 2022-05-28 06:17:59+0000 | Ashish Solanki        | Accepted |
| 35 | Performance Rating of National Highways Based on Road User Perspective – A Case Study of Kalka–Shimla Highway     | Sunil sharma                 | Sunils@nith.ac.in                                 | National Institute of Technology Hamirpur, India           | 2022-05-14 20:59:38+0000 | Sandeep Kumar         | Accepted |
| 35 | Performance Rating of National Highways Based on Road User Perspective – A Case Study of Kalka–Shimla Highway     | Sunil sharma                 | Sunils@nith.ac.in                                 | National Institute of Technology Hamirpur, India           | 2022-05-28 06:26:25+0000 | Ashish Solanki        | Accepted |
| 36 | Psychological predictors of Sustainable Transportation Behaviour: Implications for Low Carbon Economy and Society | Shiromi chaturvedi           | Shiromichaturvedi@gmail.com                       | St Xavier's College  | 2022-05-29 21:15:19+0000 | Rajshree charan       | Accepted |
| 37 | Spring Water Management to Ensure Long Term Sustainability in North Eastern Regions of India                      | Prem ranjan                  | Prem009ranjan@gmail.com                           | North Eastern Regional Institute of Science and Technology | 2022-05-17 06:05:17+0000 | Ahmed Albahnasawi     | Accepted |
| 37 | Spring Water Management to Ensure Long Term Sustainability in North Eastern Regions of India                      | Prem ranjan                  | Prem009ranjan@gmail.com                           | North Eastern Regional Institute of Science and Technology | 2022-05-31 13:16:54+0000 | Padala Raja Shekar    | Accepted |
| 38 | Green Healthcare-Bandwagon to Environmental Sustainability  | Dr. Harleen kaur             | Harleen261292@gmail.com                           | Guru Nanak Dev University                                  | 2022-05-09 18:01:24+0000 | RAHUL KANAO UJIYA     | Rejected |
| 38 | Green Healthcare-Bandwagon to Environmental Sustainability  | Dr. Harleen kaur             | Harleen261292@gmail.com                           | Guru Nanak Dev University                                  | 2022-05-23 10:51:56+0000 | Dr Biswajit Acharya   | Rejected |
| 39 | Challenges Related to Flexible Manufacturing Systems  | Kaustubh purushottam sakhare | Kaustubh purushottam sakhare_2k18m el11@dtu.ac.in | Delhi Technological University                             | 2022-05-22 10:27:33+0000 | Dr. Khubi Lal Khatri  | Rejected |
| 41 | A study of cost comparison of flexible pavement using different soils   | Dr. M v s s satri            | Mvss.satri@staff.vce.ac.in                        | VASAVI COLLEGE OF ENGINEERING                              | 2022-05-26 01:54:58+0000 | Pradeep Kumar Gautam  | Accepted |
| 42 | Durability Characteristics of Recycled Aggregates for Physical and Chemical Properties of Concrete                | Dr. Shailesh choudhary       | Shaileshmbm@gmail.com                             | MBM UNIVERSITY JODHPUR                                     | 2022-05-23 10:40:31+0000 | Dr.Prarthita Basu     | Accepted |
| 42 | Durability Characteristics of Recycled Aggregates for Physical and Chemical                                       | Dr. Shailesh choudhary       | Shaileshmbm@gmail.com                             | MBM UNIVERSITY JODHPUR                                     | 2022-05-05 07:47:15+0000 | K I SYED AHMED HADIER | Accepted |

Dr. Mahesh Bunde  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RICO Institutional Area  
Sitapura, JAIPUR

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|----|--|------------------------------|--------------------------------|---|--------------------------|-----------------------|----------|
|    | Properties of Concrete   |                              |                                |   |                          |                       |          |
| 45 | Analysis of different buffer layers on cuo based solar cells using SCAPS-1D.   | Chandni tiwari               | Chandnitiwari.ece@geu.ac.in    | Graphic Era University  | 2022-05-03 18:01:58+0000 | Vishwa Deepak Kumar   | Accepted |
| 47 | Traffic Count Analysis during COVID-19: Case Study of Toll Plazas under Project Highway along Nagpur-Jabalpur National Highway (NH44) near Nagpur, India | Kalpana n kawathekar thakare | Kalpana@students.vnit.ac.in    | Visvesvaraya National Institute of Technology and KITS Ramtek | 2022-06-02 15:56:51+0000 | K I SYED AHMED KABEER | Accepted |
| 47 | Traffic Count Analysis during COVID-19: Case Study of Toll Plazas under Project Highway along Nagpur-Jabalpur National Highway (NH44) near Nagpur, India | Kalpana n kawathekar thakare | Kalpana@students.vnit.ac.in    | Visvesvaraya National Institute of Technology and KITS Ramtek | 2022-05-26 02:18:23+0000 | Pradeep Kumar Gautam  | Accepted |
| 47 | Traffic Count Analysis during COVID-19: Case Study of Toll Plazas under Project Highway along Nagpur-Jabalpur National Highway (NH44) near Nagpur, India | Kalpana n kawathekar thakare | Kalpana@students.vnit.ac.in    | Visvesvaraya National Institute of Technology and KITS Ramtek | 2022-05-14 20:26:21+0000 | Sandeep Kumar         | Accepted |
| 50 | Prediction of Rainfall Using Hybrid SVM-HHO Model  | Abinash sahu                 | Bablusahoo1992@gmail.com       | National Institute of Technology, Silchar                     | 2022-06-13 19:11:02+0000 | Rohit Kumar           | Accepted |
| 51 | Impact Assessment of Citizen Engagement and Citizens' Experience of Services on Service Quality in Smart Cities in India                                 | Vikrant dhenge               | Vdhenge@students.vnit.ac.in    | Visvesvaraya National Institute of Technology                 | 2022-06-13 13:48:39+0000 | Rohit Kumar           | Accepted |
| 54 | Chambal River Water Quality Assessment at Kota Metropolis Through the Irrigation Water Quality Indices from 2018-2021                                    | Kuldeep kamboj               | Kuldeep.kamboj44@rtu.ac.in     | Rajasthan Technical University                                | 2022-05-24 07:20:34+0000 | BINDHU BK             | Accepted |
| 54 | Chambal River Water Quality Assessment at Kota Metropolis Through the Irrigation Water Quality Indices from 2018-2021                                    | Kuldeep kamboj               | Kuldeep.kamboj44@rtu.ac.in     | Rajasthan Technical University                                | 2022-05-13 14:57:59+0000 | Behnaz Shirdel        | Accepted |
| 55 | Numerical investigation of concentrated solar central billboard with hexagonal tubes   | Sanjay N. Havaladar          | Sanjay.havaladar@mitwpu.edu.in | Dr. Vishwanath Karad World Peace University                   | 2022-05-22 13:26:09+0000 | Amit Shrivastava      | Accepted |
| 55 | Numerical investigation of concentrated solar central billboard with hexagonal tubes   | Sanjay N. Havaladar          | Sanjay.havaladar@mitwpu.edu.in | Dr. Vishwanath Karad World Peace University                   | 2022-05-05 10:02:10+0000 | Vishwa Deepak Kumar   | Accepted |

Dr. Mahesh Bunde  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RICO Institutional Area  
Sitapura, JAIPUR

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|----|---|---------------------|---------------------------------|---|--------------------------|------------------------|----------|
| 58 | Comparison of multi linear regression and artificial neural network to predict the energy consumption of residential buildings                                      | Rajat nainwal       | Rajatn@nith.ac.in               | National Institute of Technology Hamirpur       | 2022-04-25 09:23:06+0000 | Dr. Akshay Jain        | Accepted |
| 59 | Organic farming in the tropical, disaster-prone coasts: interventions, major challenges and success story from Sundarban Biosphere Reserve, India                   | Aliya naz           | Naazaliya6@gmail.com            | Indian Institute of Technology Dhanbad          | 2022-05-24 18:32:15+0000 | Anjali peter           | Accepted |
| 60 | Sustainable Energy Business Model and Strategies for Marketing of Solar Products in Rural Areas of Odisha   | Dr. Shiv sankar das | Shivsankardas85@gmail.com       | Zenith School of Management                     | 2022-04-29 10:37:55+0000 | Manoj Dubey            | Accepted |
| 60 | Sustainable Energy Business Model and Strategies for Marketing of Solar Products in Rural Areas of Odisha   | Dr. Shiv sankar das | Shivsankardas85@gmail.com       | Zenith School of Management                     | 2022-05-09 18:12:41+0000 | Dr. Richa Jagatramka   | Accepted |
| 60 | Sustainable Energy Business Model and Strategies for Marketing of Solar Products in Rural Areas of Odisha   | Dr. Shiv sankar das | Shivsankardas85@gmail.com       | Zenith School of Management                     | 2022-05-09 09:42:46+0000 | Pankaj Dumka           | Accepted |
| 61 | Performance evaluation of the Absorbing Plate of a Hybrid Solar Dryer for Potato Drying   | Dr. Shiv sankar das | Shivsankardas85@gmail.com       | Zenith School of Management                     | 2022-04-29 09:42:10+0000 | VIKASH KUMAR           | Accepted |
| 61 | Performance evaluation of the Absorbing Plate of a Hybrid Solar Dryer for Potato Drying   | Dr. Shiv sankar das | Shivsankardas85@gmail.com       | Zenith School of Management                     | 2022-05-14 08:23:38+0000 | SHYAM A                | Accepted |
| 64 | Hydro-biological assessment of small Water Harvesting Ponds (Talabs&Nadis) of Western Rajasthan Using Physico-chemical Characteristics and Phyto-planktonic Indices | R singh             | Chemdranveersingh2015@gmail.com | M.L.B. Govt College, Nokha (Bikaner), Rajasthan | 2022-05-19 07:09:43+0000 | Ahmed Albahnasawi      | Rejected |
| 64 | Hydro-biological assessment of small Water Harvesting Ponds (Talabs&Nadis) of Western Rajasthan Using Physico-chemical Characteristics and Phyto-planktonic Indices | R singh             | Chemdranveersingh2015@gmail.com | M.L.B. Govt College, Nokha (Bikaner), Rajasthan | 2022-05-24 09:36:08+0000 | N R N V GOWRIPATHI RAO | Rejected |
| 65 | An Investigation of Sick Building Syndrome (SBS) affecting health of occupants in Western Maharashtra, India.   | Amol digambar pawar | Apawar@ms.nicmar.ac.in          | NICMAR Pune                                     | 2022-05-28 06:46:29+0000 | Ashish Solanki         | Rejected |

Dr. Mahesh Bundale  
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**Poornima College of Engineering - Activity Report – 2021-22, 2020-2, 20217-18**

|    |  |                     |                                 |   |                          |                        |          |
|----|--|---------------------|---------------------------------|---|--------------------------|------------------------|----------|
| 67 | Hydrogeologic evaluation of area around nokha, district  | Dr. Priyanka pandey | Dr.priyankapandey1981@gmail.com | Sangam University bhillwara                         | 2022-05-26 02:28:56+0000 | Pradeep Kumar Gautam   | Accepted |
| 68 | Integrating Digital Mission and Sustainable Development Goal-9 for Building Technologies: A study of Navratna Companies of India                           | Dr. Navita mahajan  | Navitamahajan07@gmail.com       | Amity University                                    | 2022-05-30 08:44:23+0000 | Anil Kumar Sharma      | Pending  |
| 68 | Integrating Digital Mission and Sustainable Development Goal-9 for Building Technologies: A study of Navratna Companies of India                           | Dr. Navita mahajan  | Navitamahajan07@gmail.com       | Amity University                                    | 2022-05-19 05:59:43+0000 | Rashmi Kumari          | Pending  |
| 70 | Four-year spatiotemporal distribution & analysis of PM2.5 and its precursor air pollutants SO2, NO2 & NH3 and their impact on LST in Bengaluru city, India | Gourav suthar       | 2019rce9106@mnit.ac.in          | Malaviya National Institute of Technology Jaipur    | 2022-05-24 18:40:21+0000 | Anjali peter           | Accepted |
| 71 | Urban environmental challenges associated with dynamics of slum settlement   | Rashmi kumari       | Rashmi@nit h.ac.in              | National Institute of Technology Hamirpur           | 2022-05-20 06:13:51+0000 | Karan Singh            | Accepted |
| 71 | Urban environmental challenges associated with dynamics of slum settlement   | Rashmi kumari       | Rashmi@nit h.ac.in              | National Institute of Technology Hamirpur           | 2022-05-24 08:23:30+0000 | Sohil Sisodiya         | Accepted |
| 72 | Review on Recycling of Micro-plastics in Cigarette Butts   | Mary george         | Marycgeorge30041975@gmail.com   | ANJUMAN-I-ISLAM'S ABDUL RAZZAK KALSEKAR POLYTECHNIC | 2022-05-30 08:46:51+0000 | Anil Kumar Sharma      | Accepted |
| 72 | Review on Recycling of Micro-plastics in Cigarette Butts   | Mary george         | Marycgeorge30041975@gmail.com   | ANJUMAN-I-ISLAM'S ABDUL RAZZAK KALSEKAR POLYTECHNIC | 2022-05-23 09:40:20+0000 | Dr. Akshay Jain        | Accepted |
| 73 | Automated solar panel cleaning system using wiper mechanism  | Pollapelli bhavana  | B18me053@kitsw.ac.in            | Kakatiya Institute of Technology & Science          | 2022-05-22 07:54:52+0000 | Dr. Khubi Lal Khatri   | Rejected |
| 74 | An Experimental Behavior on Green Concrete utilizing Granite Slurry Waste (GSW) as Partial Substitute of Cement  | Dr. Pooja gupta     | Pooja.gupta@poornima.org        | Poornima College of Engineering, Jaipur             | 2022-05-17 03:33:07+0000 | Abhishek Jain          | Accepted |
| 74 | An Experimental Behavior on Green Concrete utilizing Granite Slurry Waste (GSW) as Partial Substitute of Cement  | Dr. Pooja gupta     | Pooja.gupta@poornima.org        | Poornima College of Engineering, Jaipur             | 2022-05-27 10:39:48+0000 | Sachin Jain            | Accepted |
| 75 | Driving through sustainable systems: A Study of Air Quality Index of Delhi During COVID-19 Pandemic  | Seema               | Seemagarg1@gmail.com            | Amity University                                    | 2022-06-03 13:44:56+0000 | MAHEN DRA KUMAR SINGAR | Accepted |
| 75 | Driving through sustainable  | Seema               | Seemagarg1@gmail.com            | Amity University                                    | 2022-06-03 08:41:26+0000 | Prakash                | Accepted |

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|----|---|---------------------------|-----------------------------------|---|--------------------------|----------------------------|----------|
|    | systems: A Study of Air Quality Index of Delhi During COVID-19 Pandemic                               |                           |                                   |   |                          |                            |          |
| 76 | Energy, geopolitics and the dying arctic ice fields: an enviro- political perspective                 | Dr. Abhiroop chowdhury    | Abhiroop.chowdhury@gmail.com      | O. P. Jindal Global University                        | 2022-05-20 10:21:22+0000 | RAMKIRAN B                 | Accepted |
| 76 | Energy, geopolitics and the dying arctic ice fields: an enviro- political perspective                 | Dr. Abhiroop chowdhury    | Abhiroop.chowdhury@gmail.com      | O. P. Jindal Global University                        | 2022-05-19 07:13:23+0000 | Ahmed Albahnasawi          | Accepted |
| 77 | A Modified Incremental Conductance MPPT Algorithm and its Comparison with Perturb & Observe Algorithm | Vedant yadav              | Vedant.yadav_2k18ee237@dtu.ac.in  | Delhi Technological University                        | 2022-05-09 08:01:04+0000 | Aditya R. Gautam           | Accepted |
| 77 | A Modified Incremental Conductance MPPT Algorithm and its Comparison with Perturb & Observe Algorithm | Vedant yadav              | Vedant.yadav_2k18ee237@dtu.ac.in  | Delhi Technological University                        | 2022-05-12 06:46:36+0000 | Chandni Tiwari             | Accepted |
| 79 | Gender-friendly cities and the built environment raise a few concerns                                 | Asmita yadav              | Ar.asmitayadav@gmail.com          | National Institute of Technology Hamirpur             | 2022-05-25 05:45:55+0000 | Dr. P. Kavipriya           | Accepted |
| 80 | Mapping Groundwater Potential Zone and Flood Risk Zone in the Visakhapatnam District, India.          | Pottavamsi krishna prasad | Pvkprasad029@gmail.com            | Vignans institute of information technology           | 2022-05-29 21:15:54+0000 | Rajshree charan            | Accepted |
| 81 | The need for legislation on renewable energy for sustainable development in india                     | Dr khyati kochhar         | Khyati.kochhar.12@gmail.com       | Banasthali University                                 | 2022-05-09 18:25:27+0000 | Dr. Richa Jagatramka       | Accepted |
| 81 | The need for legislation on renewable energy for sustainable development in india                     | Dr khyati kochhar         | Khyati.kochhar.12@gmail.com       | Banasthali University                                 | 2022-05-23 09:40:36+0000 | Dr. Akshay Jain            | Accepted |
| 82 | Eco-Anxiety and Environmental Concern as Predictors of Eco-Activism                                   | Dr. Prashasti jain        | Prashasti.jain@jaipur.manipal.edu | Manipal University Jaipur                             | 2022-05-16 09:58:04+0000 | Padala Raja Shekar         | Accepted |
| 82 | Eco-Anxiety and Environmental Concern as Predictors of Eco-Activism                                   | Dr. Prashasti jain        | Prashasti.jain@jaipur.manipal.edu | Manipal University Jaipur                             | 2022-05-27 05:57:19+0000 | Sivagurunathan Paramasivam | Accepted |
| 84 | Effect of Pozzolanic Material on Drying Shrinkage Characteristics of Blended Cementitious Mortar      | Nitesh balaji thikare     | Nthikare7391@gmail.com            | Rashtrasant Tukadoji Maharaj Nagpur University        | 2022-05-31 06:38:26+0000 | KULDEEP KAMBOJ             | Accepted |
| 85 | Tainted wastewater remediation through inverted multimedia biofilter                                  | Dr. Ranjit N. Patil       | Shaliniy1975@gmail.com            | Priyadarshini Bhagwati College of Engineering, Nagpur | 2022-05-10 20:30:30+0000 | Ali Fadhil Naser           | Accepted |
| 85 | Tainted wastewater remediation through inverted   | Dr. Ranjit N. Patil       | Shaliniy1975@gmail.com            | Priyadarshini Bhagwati College of Engineering, Nagpur | 2022-05-09 09:40:17+0000 | Accepted                   | Accepted |

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|----|---|-------------------------|----------------------------|--|--------------------------|-------------------|--------------------|
|    | multimedia biofilter  |                         |                            |  |                          |                   |                    |
| 86 | Urban Organic Waste as a Source of Bioenergy for Electricity Generation in Bhopal (M.P)   | Nirjhar gupta           | Nirjhargupta 070@gmail.com | UIT- RGPV                                      | 2022-05-09 09:37:26+0000 | Pankaj Dumka      | Accepted           |
| 86 | Urban Organic Waste as a Source of Bioenergy for Electricity Generation in Bhopal (M.P)   | Nirjhar gupta           | Nirjhargupta 070@gmail.com | UIT- RGPV                                      | 2022-05-15 03:34:10+0000 | Basuraj Bhowmik   | Accepted           |
| 88 | Strength and durability of concrete by partial replacement of sand by Copper Slag and cement by Egg Shell Powder: A Review                    | Mr.dhiraj ramesh naxine | Naxinecivil@gmail.com      | G H RAISONI UNIVERSITY, AMRAVATI               | 2022-05-17 03:34:52+0000 | Abhishek Jain     | Accepted           |
| 88 | Strength and durability of concrete by partial replacement of sand by Copper Slag and cement by Egg Shell Powder: A Review                    | Mr.dhiraj ramesh naxine | Naxinecivil@gmail.com      | G H RAISONI UNIVERSITY, AMRAVATI               | 2022-05-25 05:00:33+0000 | Dr. P. Kavipriya  | Accepted           |
| 89 | Life Cycle Costing Methodology for Sustainable Construction   | Mustafa soyab sadliwala | Msadliwala97@gmail.com     | MIT World Peace University Pune                | 2022-06-07 09:52:49+0000 | Dr. Akshay Jain   | Accepted           |
| 90 | Utilization of Silica Fume and Fly ash in Cement and Partial Substitution of Fine Aggregate Using Quarry Dust in Concrete                     | Mr.sudhir kapgate       | Kapgate.sudhir68@gmail.com | G H Raison University, Amravati                | 2022-06-13 05:07:53+0000 | Dr. Akshay Jain   | Accepted           |
| 91 | Lowcost renewable feedstock an important source for sustainable Biofuel Production  | Dr(mrs)su smita shukla  | Sshukla3@amity.edu         | Amity University                               | 2022-05-13 07:57:06+0000 | RAHUL SEN         | Changes request ed |
| 92 | An Intuitive Comparison of Four Meta-heuristic MPPT Algorithms for a DC-DC Converter based Solar PV System under Partial Shading Effect (PSE) | Vinay kumar             | Vk390677@gmail.com         | Delhi Technological University                 | 2022-05-11 08:07:10+0000 | Aditya R. Gautam  | Accepted           |
| 92 | An Intuitive Comparison of Four Meta-heuristic MPPT Algorithms for a DC-DC Converter based Solar PV System under Partial Shading Effect (PSE) | Vinay kumar             | Vk390677@gmail.com         | Delhi Technological University                 | 2022-05-24 05:23:48+0000 | Dr. R. K. Kumawat | Accepted           |
| 93 | Design of Biogas plant: An unique approach to an alternative source of energy in Vignan's institute of information & technology               | M.leela priyanka        | Viiipriyanka 09@gmail.com  | Vignan's institute of information & technology | 2022-05-13 09:11:46+0000 | RAHUL SEN         | Changes request ed |
| 93 | Design of Biogas plant: An unique approach to an alternative source of energy in  | M.leela priyanka        | Viiipriyanka 09@gmail.com  | Vignan's institute of information & technology | 2022-05-20 07:42:34+0000 | Dr. Mahesh Bunde  | Changes request ed |

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|     | Vignan's institute of information & technology   |                               |                                 |  |                          |  |          |
| 95  | Approximate Climate Analysis for Assessing the Suitability of Indian Climate Zones for Hydroponic Fodder Applications                                | Souryadeep basak              | Souryadeep.basak@teris.as.ac.in | TERI University                                      | 2022-05-27 10:46:12+0000 | Sachin Jain  | Accepted |
| 95  | Approximate Climate Analysis for Assessing the Suitability of Indian Climate Zones for Hydroponic Fodder Applications                                | Souryadeep basak              | Souryadeep.basak@teris.as.ac.in | TERI University                                      | 2022-05-14 06:50:42+0000 | Sandeep Kumar  | Accepted |
| 97  | Assessment and Identification of drought prone zone in a Low Laying Area by AHP and MIF method: A GIS based study                                    | Thiyam tamphasana devi        | Thiyam85@gmail.com              | NIT Manipur  | 2022-05-30 08:47:45+0000 | Anil Kumar Sharma  | Accepted |
| 97  | Assessment and Identification of drought prone zone in a Low Laying Area by AHP and MIF method: A GIS based study                                    | Thiyam tamphasana devi        | Thiyam85@gmail.com              | NIT Manipur  | 2022-05-30 05:36:13+0000 | Prem Ranjan  | Accepted |
| 98  | Sustainable Rural Development through Renewable Energy Technologies: Identification of Potential Methods to Increase Rural Incomes                   | Dr. Sunny dawar               | Sunny.dawar86@gmail.com         | Manipal University Jaipur                            | 2022-05-15 03:34:57+0000 | Basuraj Bhowmik  | Accepted |
| 99  | Studies on Passive Energy storage systems using pcms including its properties and characterization for different Engineering Applications -a review. | Priyanka                      | Priyankargowda1995@gmail.com    | Siddaganga Institute of Technology                   | 2022-05-22 10:48:12+0000 | Dr. Khubi Lal Khatri   | Rejected |
| 99  | Studies on Passive Energy storage systems using pcms including its properties and characterization for different Engineering Applications -a review. | Priyanka                      | Priyankargowda1995@gmail.com    | Siddaganga Institute of Technology                   | 2022-05-29 15:15:46+0000 | Mr. Denis Jangeed  | Rejected |
| 101 | Transport infrastructure investment: a comparative analysis between China, Russia and India  | Preeti aneja                  | Paneja@ddn.upes.ac.in           | University of petroleum and energy studies, dehradun | 2022-05-12 11:14:59+0000 | Ali Fadhil Naser   | Accepted |
| 103 | Secure Authenticating system for Banking Transaction using Facial Recognition  | Dr. Manu gupta                | Manugupta@sreenidhi.edu.in      | Sreenidhi Institute of Science and Technology        | 2022-06-02 16:00:19+0000 | K I SYED AHMED KABEER  | Rejected |
| 104 | Application of circular economy in wastewater treatment using biochar based  | Pooja panchappa kenchanna var | Poojapanchappa@gmail.com        | National Institute of Technology Karnataka           | 2022-05-24 07:18:41+0000 | Dr. Mahesh Bundele<br>B.E., M.E., Ph.D.<br>Director<br>Poornima College of Engineering<br>131-6, RIIICO Institutional Area<br>Sitapura, JAIPUR | Accepted |

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|-----|---|-------------------------------|-------------------------------|--|--------------------------|------------------------|--------------------|
|     | adsorbent derived from sewage sludge  |                               |                               |  |                          |                        |                    |
| 104 | Application of circular economy in wastewater treatment using biochar based adsorbent derived from sewage sludge                | Pooja panchappa kenchanna var | Poojapanchappa@gmail.com      | National Institute of Technology Karnataka       | 2022-05-13 14:50:54+0000 | Behnaz Shirdel         | Accepted           |
| 105 | Sustainable Energy Efficient Green Campuses: A Systematic Literature Review and Bibliometric Analysis                           | Chintan pandya                | Pandyachintan@gmail.com       | Anant National University                        | 2022-05-06 06:10:17+0000 | Karan Singh            | Accepted           |
| 106 | Wind turbine based electric vehicle battery charging technique  | Vivek yadav                   | Viveky841@gmail.com           | Delhi Technological University                   | 2022-05-11 17:53:03+0000 | Aditya R. Gautam       | Accepted           |
| 106 | Wind turbine based electric vehicle battery charging technique  | Vivek yadav                   | Viveky841@gmail.com           | Delhi Technological University                   | 2022-05-30 15:58:33+0000 | Dr. Jyoti Shukla       | Accepted           |
| 107 | Assessment of Fixed Rack and 1– Axis Tracking Crystalline Silicon Photovoltaic Array on Their Ideal Energy Performance          | Prakhar duggal                | Pduggal@amity.edu             | Amity University                                 | 2022-05-12 07:39:17+0000 | Chandni Tiwari         | Accepted           |
| 107 | Assessment of Fixed Rack and 1– Axis Tracking Crystalline Silicon Photovoltaic Array on Their Ideal Energy Performance          | Prakhar duggal                | Pduggal@amity.edu             | Amity University                                 | 2022-05-20 10:44:52+0000 | RAMKIRAN B             | Accepted           |
| 111 | Annual and seasonal assessment of variation in PM2.5 and gaseous pollutants in Bengaluru, India                                 | Gourav suthar                 | 2019rce9106@mnit.ac.in        | Malaviya National Institute of Technology Jaipur | 2022-05-12 19:44:45+0000 | Ali Fadhil Naser       | Rejected           |
| 114 | Trend Analysis and Forecasting of Long-Term Temperature Data to Anticipate Local Warming: A Case Study of Jawa Timur, Indonesia | Abdur rohman                  | Abdur@unej.ac.id              | Universitas Jember                               | 2022-05-24 18:54:16+0000 | Anjali peter           | Accepted           |
| 115 | Formulation of Parking Demand estimation in cbds without Transit service: A Review  | Dr. Debasish das              | Debasish.das@jiscollege.ac.in | JIS College of Engineering, Kalyani, West Bengal | 2022-06-12 15:00:50+0000 | Chander Prakash        | Changes_request ed |
| 116 | Formulation of Parking Demand estimation in Transit oriented cbds: A Review   | Dr. Debasish das              | Debasish.das@jiscollege.ac.in | JIS College of Engineering, Kalyani, West Bengal | 2022-06-03 14:15:36+0000 | MAHEN DRA KUMAR SINGAR | Accepted           |
| 117 | Manufacturing of Brick from Medical Waste (MW)  | Dr. Debasish das              | Debasish.das@jiscollege.ac.in | JIS College of Engineering, Kalyani, West Bengal | 2022-06-04 08:16:38+0000 | Aditya R. Gautam       | Changes_request ed |
| 118 | Corrosion Analysis of RCC Beam using Simplified FEM Model   | Yamuna bhagwat                | Yamuna.bhagwat1@gmail.com     | MIT Manipal                                      | 2022-06-04 13:08:31+0000 | Dr. Paresh Gujarati    | Accepted           |
| 123 | Traffic Count Analysis during COVID-19: Case  | Kalpana n kawathekar thakare  | Kalpana@students.vnit.ac.in   | Visvesvaraya National Institute                  | 2022-06-07 09:56:11+0000 | Dr. Mahesh Bunde       | Changes_request ed |



|     |   |                                |                                |   |                          |                         |          |
|-----|---|--------------------------------|--------------------------------|---|--------------------------|-------------------------|----------|
|     | Study of Toll Plazas under Project Highway along Nagpur-Jabalpur National Highway (NH44) near Nagpur, India   |                                |                                | of Technology and KITS Ramtek                                 |                          |                         |          |
| 124 | Urban Transport Measures Inclusive of Non-Motorized Traffic in respect of Resilient and Livable City Planning   | Kalpana n kawathekar thakare   | Kalpana@students.vnit.ac.in    | Visvesvaraya National Institute of Technology and KITS Ramtek | 2022-06-10 12:20:37+0000 | Deepak singh            | Accepted |
| 124 | Urban Transport Measures Inclusive of Non-Motorized Traffic in respect of Resilient and Livable City Planning   | Kalpana n kawathekar thakare   | Kalpana@students.vnit.ac.in    | Visvesvaraya National Institute of Technology and KITS Ramtek | 2022-05-27 05:15:23+0000 | Sameer Gujar            | Accepted |
| 125 | Strength Behavior of Expansive Subgrade Soil Stabilized with Coronus Material   | Swetha priya darshini thammadi | Swetha.thammadi@fnu.ac.fj      | FIJI NATIONAL UNIVERSITY                                      | 2022-05-28 08:56:13+0000 | Dr. Navita Mahajan      | Accepted |
| 126 | Review of open space rules and regulations and identification of specificities for plot-level open spaces to facilitate sustainable development: An Indian case | Sameer gujar                   | Sameergujar.vnit@gmail.com     | Visvesvaraya National Institute of Technology                 | 2022-05-28 08:58:10+0000 | Dr. Navita Mahajan      | Accepted |
| 127 | Review of open space rules and regulations and identification of specificities for plot-level open spaces to facilitate sustainable development: An Indian case | Sameer gujar                   | Sameergujar.vnit@gmail.com     | Visvesvaraya National Institute of Technology                 | 2022-05-28 08:59:35+0000 | Dr. Navita Mahajan      | Accepted |
| 127 | Review of open space rules and regulations and identification of specificities for plot-level open spaces to facilitate sustainable development: An Indian case | Sameer gujar                   | Sameergujar.vnit@gmail.com     | Visvesvaraya National Institute of Technology                 | 2022-05-25 05:23:54+0000 | Dr. P. Kavipriya        | Accepted |
| 129 | Biofuel Production through Algae Route using Solar Assisted Carbon Capture Plant  | Ravi kumar singh pippal        | Ravesingh@gmail.com            | RKDF University, Bhopal                                       | 2022-06-07 10:42:04+0000 | Dr. Akshay Jain         | Accepted |
| 131 | Role of ADR methods in environmental conflicts in the light of sustainable development  | Jaffar alkhayer                | Jaffaralkhayer89@gmail.com     | Shoolini University   | 2022-06-04 02:13:38+0000 | Amit Madhanrao Kharwade | Accepted |
| 131 | Role of ADR methods in environmental conflicts in the light of sustainable development  | Jaffar alkhayer                | Jaffaralkhayer89@gmail.com     | Shoolini University   | 2022-06-13 05:08:30+0000 | Dr. Akshay Jain         | Accepted |
| 133 | Response Spectrum Analysis of a RC Building Based on Complete Quadratic   | Dr.uddipta ghosh               | Uddipta.ghosh@jiscollege.ac.in | JIS COLLEGE OF ENGINEERING                                    | 2022-06-10 12:20:48+0000 | Deepak singh            | Accepted |

Dr. Mahesh Bunde  
B.E., M.E., Ph.D.

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|-----|---|--------------------------------|--------------------------------|--|--------------------------|-----------------------|-------------------|
|     | Combination (CQC) Method  |                                |                                |  |                          |                       |                   |
| 133 | Response Spectrum Analysis of a RC Building Based on Complete Quadratic Combination (CQC) Method  | Dr.uddipta ghosh               | Uddipta.ghosh@jiscollege.ac.in | JIS COLLEGE OF ENGINEERING             | 2022-06-02 16:19:12+0000 | K I SYED AHMED KABEER | Accepted          |
| 134 | Assessment of groundwater chemistry and degree of pollution in some rural parts of sirsa using water quality index (WQI) and pollution index of groundwater (PIG) | Parul kumar                    | Parulsardana3@gmail.com        | Government National College, Sirsa     | 2022-05-24 18:59:16+0000 | Anjali peter          | Accepted          |
| 134 | Assessment of groundwater chemistry and degree of pollution in some rural parts of sirsa using water quality index (WQI) and pollution index of groundwater (PIG) | Parul kumar                    | Parulsardana3@gmail.com        | Government National College, Sirsa     | 2022-05-28 07:52:56+0000 | Sangeeta Choudhary    | Accepted          |
| 138 | Nanotechnology and building construction: Towards effective stakeholder engagement  | Swetha priya darshini thammadi | Swetha.thammadi@fnu.ac.fj      | FIJI NATIONAL UNIVERSITY               | 2022-06-10 08:08:41+0000 | Dr Biswajit Acharya   | Accepted          |
| 138 | Nanotechnology and building construction: Towards effective stakeholder engagement  | Swetha priya darshini thammadi | Swetha.thammadi@fnu.ac.fj      | FIJI NATIONAL UNIVERSITY               | 2022-06-10 12:21:29+0000 | Deepak singh          | Accepted          |
| 139 | Factors affecting the Biogas Yield Production with Different Techniques: A Review   | Anil gupta                     | Guptaanil9812@gmail.com        | Poornima College of Engineering        | 2022-05-30 07:03:33+0000 | Prem Ranjan           | Changes_requested |
| 139 | Factors affecting the Biogas Yield Production with Different Techniques: A Review   | Anil gupta                     | Guptaanil9812@gmail.com        | Poornima College of Engineering        | 2022-06-07 09:27:38+0000 | Dr.Neha Bansal        | Changes_requested |
| 139 | Factors affecting the Biogas Yield Production with Different Techniques: A Review   | Anil gupta                     | Guptaanil9812@gmail.com        | Poornima College of Engineering        | 2022-05-28 07:41:25+0000 | Ashish Solanki        | Changes_requested |
| 140 | Clean Drinking water solution for Rural India: Portable Sip-Up  | Meraj ahmad                    | Meraj.1@iitj.ac.in             | Indian Institute of Technology Jodhpur | 2022-06-03 18:03:21+0000 | Vinay Chahar          | Accepted          |
| 140 | Clean Drinking water solution for Rural India: Portable Sip-Up  | Meraj ahmad                    | Meraj.1@iitj.ac.in             | Indian Institute of Technology Jodhpur | 2022-06-08 13:47:02+0000 | Amit Shrivastava      | Accepted          |
| 141 | Towards optimization of horizontal flow constructed wetland (HFCW) design by employing Machine Learning on the secondary datasets                                 | Saurabh singh                  | 2020rce9516@mnit.ac.in         | MNIT                                   | 2022-06-02 08:29:08+0000 | Sangeeta Choudhary    | Accepted          |

Dr. Mahesh Bundela  
B.E., M.E., Ph.D.

Director  
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131-6, RIIICO Institutional Area  
Sitapura, JAIPUR

**Poornima College of Engineering - Activity Report – 2021-22, 2020-2, 20217-18**

|     |   |                                |                                  |  |                          |                     |                    |
|-----|---|--------------------------------|----------------------------------|--|--------------------------|---------------------|--------------------|
| 142 | Analysis of Blended Concrete Cubes under Impact loading using ANSYS   | Janhavi singh                  | Janhavisingh_2k20ste09@dtu.ac.in | Delhi Technological University                   | 2022-06-05 04:11:43+0000 | Dr. Paresh Gujarati | Accepted           |
| 142 | Analysis of Blended Concrete Cubes under Impact loading using ANSYS   | Janhavi singh                  | Janhavisingh_2k20ste09@dtu.ac.in | Delhi Technological University                   | 2022-06-07 10:44:35+0000 | Dr. Akshay Jain     | Accepted           |
| 143 | Determination of GERR lifespan using RUSLE method and GIS integration   | Ahmed salah elshobary          | A.s.shobary@mtc.edu.eg           | Military Technical College                       | 2022-05-30 07:54:35+0000 | Dr. Ranjit N. Patil | Rejected           |
| 144 | Application of eco - friendly and smart materials for subgrade stabilization of road pavement: a review             | Piyush                         | Piyushkolhe007@gmail.com         | Sant Gadge Baba Amravati University              | 2022-05-27 05:27:46+0000 | Vipin Sharma        | Changes_request ed |
| 144 | Application of eco - friendly and smart materials for subgrade stabilization of road pavement: a review             | Piyush                         | Piyushkolhe007@gmail.com         | Sant Gadge Baba Amravati University              | 2022-05-27 11:57:04+0000 | RAMKIRAN B          | Changes_request ed |
| 147 | Development of machine learning-based model for prediction of PM2.5 concentration in India: a case study for Jaipur | Dr. Ruchi sharma               | Ruchi.ce@mnit.ac.in              | Malaviya National Institute of Technology Jaipur | 2022-05-30 07:59:40+0000 | Dr. Ranjit N. Patil | Rejected           |
| 149 | Soil Erosion mapping using Remote Sensing and GIS - A case study of Rewa River Watershed, Naitasiri province, Fiji  | Swetha priya darshini thammadi | Swetha.thammadi@fnu.ac.fj        | FIJI NATIONAL UNIVERSITY                         | 2022-05-30 08:08:45+0000 | Dr. Ranjit N. Patil | Accepted           |
| 149 | Soil Erosion mapping using Remote Sensing and GIS - A case study of Rewa River Watershed, Naitasiri province, Fiji  | Swetha priya darshini thammadi | Swetha.thammadi@fnu.ac.fj        | FIJI NATIONAL UNIVERSITY                         | 2022-06-07 10:45:07+0000 | Dr. Akshay Jain     | Accepted           |
| 152 | A Novel Fuzzy Direct Control of Induction Motor Drive   | Dr. Gaurav jain                | Gaurav.jain@poornima.org         | I K Gujral Punjab Technical University, Punjab   | 2022-06-16 10:00:44+0000 | Aditya R. Gautam    | Accepted           |
| 152 | A Novel Fuzzy Direct Control of Induction Motor Drive   | Dr. Gaurav jain                | Gaurav.jain@poornima.org         | I K Gujral Punjab Technical University, Punjab   | 2022-06-09 10:12:23+0000 | Pravin Sonwane      | Accepted           |
| 153 | Investigation of heat transfer enhancement of pipe heat exchanger using outer helical fins and v-fins axial inserts | Sanjay N. Havaladar            | Sanjay.havaladar@mitwpu.edu.in   | Dr. Vishwanath Karad World Peace University      | 2022-06-14 11:53:44+0000 | Vishwa Deepak Kumar | Changes_request ed |
| 153 | Investigation of heat transfer enhancement of pipe heat exchanger using outer helical fins and v-fins axial inserts | Sanjay N. Havaladar            | Sanjay.havaladar@mitwpu.edu.in   | Dr. Vishwanath Karad World Peace University      | 2022-06-14 20:13:59+0000 | Amit Shrivastava    | Changes_request ed |

**Dr. Mahesh Bunde**  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RIIICO Institutional Area  
Ghatapada, JAIPUR

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|-----|--|--------------------------------|--------------------------------|---|--------------------------|-------------------------|----------|
| 154 | Digitalization of Kanban   | Bhaskar tambi                  | Tambibhaskar@gmail.com         | MIT WPU Pune  | 2022-05-31 10:02:01+0000 | Ashish Solanki          | Rejected |
| 155 | Experimental Investigation of Drying Potato for Visakhapatnam climatic condition   | Dr. Susant kumar sahu          | Susantsahukit@gmail.com        | Vignans Institute of Information Technology, Visakhapatnam    | 2022-05-27 06:55:51+0000 | Md. Mustafa Kamal       | Accepted |
| 155 | Experimental Investigation of Drying Potato for Visakhapatnam climatic condition   | Dr. Susant kumar sahu          | Susantsahukit@gmail.com        | Vignans Institute of Information Technology, Visakhapatnam    | 2022-05-26 16:09:57+0000 | Thiyam Tamphasa na Devi | Accepted |
| 157 | GIS Mapping for Distribution of Ground Water Quality in Udaipur  | Sangeeta choudhary             | Sangeeta27apr@gmail.com        | Geetanjali Institute of Technical Studies, Udaipur            | 2022-06-06 06:58:06+0000 | Kamal Hassan            | Accepted |
| 158 | Tannery Waste as a Partial Replacement of Cement in Mortar   | Dr. Md. Naimul haque           | Naimul@ewubd.edu               | East West University  | 2022-05-28 03:30:06+0000 | Dr. Seelam Srikanth     | Rejected |
| 159 | Numerical Analysis of RCC Beam Using ABAQUS  | Hemamathi                      | Hod.civil@rmkec.ac.in          | R.M.K Engineering College                                     | 2022-06-02 08:56:47+0000 | Abhishek Jain           | Accepted |
| 159 | Numerical Analysis of RCC Beam Using ABAQUS  | Hemamathi                      | Hod.civil@rmkec.ac.in          | R.M.K Engineering College                                     | 2022-06-15 09:34:33+0000 | Dr. Pareshe Gujarati    | Accepted |
| 160 | Performance Rating of National Highways Based on Road User Perspective – A Case Study of Kalka-Shimla Highway  | Sunil sharma                   | Sunils@nith.ac.in              | National Institute of Technology Hamirpur, India              | 2022-06-07 10:46:27+0000 | Dr. Akshay Jain         | Accepted |
| 162 | Investigation into the Compressive Stress on Lumber Spine among Tractor Driver during different Ride Conditions                                      | Chander prakash                | Chanderpra95@gmail.com         | Dr. B. R. Ambedkar National Institute of Technology Jalandhar | 2022-06-07 10:49:11+0000 | Dr. Akshay Jain         | Accepted |
| 165 | Geo-statistical analysis of ground water fluctuations for sustainable management of groundwater resources within the chaliyar basin, southwest india | Mohd izharuddin ansari         | Izharansari17@gmail.com        | Jamia Millia Islamia  | 2022-06-02 14:22:41+0000 | Thiyam Tamphasa na Devi | Accepted |
| 166 | Environmental Impact Assessment of Maize Production in Northern India  | Rohit kumar                    | Bhardwaja@nitj.ac.in           | Dr BR Ambedkar National Institute of Technology Jalandhar     | 2022-06-05 10:52:18+0000 | Rashmi Kumari           | Accepted |
| 167 | A Literature Review on Mechanical Properties of Waste PET Bottle Based Fibre   | Dr. Raj kumar satankar         | Rajkumar.satankar@poornima.org | Poornima College of Engineering                               | 2022-06-20 06:46:52+0000 | Manoj Dubey             | Accepted |
| 168 | Compressive Strength of Waste PET Bottle Based Fibre   | Devendra somwanshi             | Imdev.som@gmail.com            | Poornima College of Engineering                               | 2022-06-11 16:08:52+0000 | Kamal Hassan            | Accepted |
| 169 | Experimental Study on Strength Behaviour of Geogrid Reinforced Subgrade Soil   | Swetha priya darshini thammadi | Swetha.thammadi@fnu.ac.fj      | FIJI NATIONAL UNIVERSITY                                      | 2022-06-04 04:34:51+0000 | Dr. Akshay Jain         | Accepted |
| 171 | Optimization of Renewable Energy Resource -A Review  | Dr. Raj kumar satankar         | Rajkumar.satankar@poornima.org | Poornima College of Engineering                               | 2022-06-03 05:41:59+0000 | Pankaj Dumka            | Accepted |
| 171 | Optimization of Renewable Energy   | Dr. Raj kumar satankar         | Rajkumar.satankar@poornima.org | Poornima College of Engineering                               | 2022-06-04 09:07:28+0000 | Dr. Mahesh Bunde        | Accepted |

|     |   |                        |                         |  |                          |                         |          |
|-----|---|------------------------|-------------------------|--|--------------------------|-------------------------|----------|
|     | Resource -A Review  |                        |                         |  |                          |                         |          |
| 172 | A Literature Review on Renewable Energy Resource and Optimization   | Devendra somwanshi     | Imdev.som@gmail.com     | Poornima College of Engineering  | 2022-06-02 09:07:23+0000 | Basuraj Bhowmik         | Accepted |
| 173 | Performance Evolution of Water Treatment Plant of Kekri, Rajasthan, India                                     |                        | Rsroopsingh81@gmail.com |  | 2022-06-07 10:32:41+0000 | Vipin Sharma            | Accepted |
| 175 | An Investigation of Sick Building Syndrome (SBS) affecting health of occupants in Western Maharashtra, India. | Dr. Sudarshan D. Kore  | Skore@nicmar.ac.in      | National Institute of Construction Management and Research (NICMAR) Pune | 2022-06-15 06:29:02+0000 | Vipin Sharma            | Accepted |
| 177 | The Uptake of Environmental Management System by Small and Medium Enterprises (sme) in India                  | Dr. Hari prapan sharma | Hariprapan@gmail.com    | GLA University   | 2022-06-10 08:23:52+0000 | Chander Prakash         | Accepted |
| 178 | Design and Development of the Divergent Wind Turbine  | Anil gupta             | Guptaanil9812@gmail.com | Poornima College of Engineering  | 2022-06-11 16:20:51+0000 | Kamal Hassan            | Pending  |
| 178 | Design and Development of the Divergent Wind Turbine  | Anil gupta             | Guptaanil9812@gmail.com | Poornima College of Engineering  | 2022-06-09 11:50:43+0000 | Md. Mustafa Kamal       | Pending  |
| 179 | Energy efficient buildings in india: key area and challenges  | Dr. Preeti tarkar      | Preeti.tarkar@gla.ac.in | GLA University, Mathura  | 2022-06-14 05:45:17+0000 | Amit Madhanrao Kharwade | Accepted |

## LIST OF REGISTERED CANDIDATES

| S N | Track   | ID                  | Topic  | Candiadte Name  | Presenter             | Institute  |
|-----|---------|---------------------|--|---|-----------------------|--|
| 1   | Track-3 | ICSEEGT2022_T3_3002 | Quality assessment of composts from different organic sources  | Parveen parihaar, and rakesh choudhary  | Ms. Parveen parihaar  | Bhartiya skill development university, jaipur, india                                       |
| 2   | Track-2 | ICSEEGT2022_T2_2003 | Framework for freight movement in bangalore city, india  | Seelam srikanth, syed omar ballari, and sala eswar  | Dr. Seelam srikanth   | Reva university, bengaluru, india  |
| 3   | Track-2 | ICSEEGT2022_T2_2005 | Application of eco-friendly and smart materials in geotechnical engineering for subgrade stabilization: a review | Piyush v. Kolhe, and anant i. Dhatrak   | Mr. Piyush v. Kolhe   | Prof. Ram meghe institute of technology and research badnera, amravati, maharashtra, india |
| 4   | Track-1 | ICSEEGT2022_T1_1010 | Low frequency vibration energy harvester using compliant mechanism driven rosen-type piezoelectric transformer   | Sanniva bhattacharjee, aryan kanu, arnab roy chowdhury, soumyadeep mondal, nilanjan chatteraj, and nirmal baran hui | Mr. Soumyadeep mondal | National institute of technology durgapur, india   |

**Dr. Mahesh Bundele**  
B.E., M.E., Ph.D.

Director  
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131-6, RILCO Institutional Area  
Sitapura, JAIPUR



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|----|---------|---------------------|--|---|---------------------|--|
| 5  | Track-3 | ICSEEGT2022_T3_3011 | Relationship of shading devices and its effects on daylight in commercial buildings in pune.                                       | Neha joshi, and pradnya nishad patki  | Mrs. Neha joshi     | Mksss's dr. B. N. College of architecture , pune, india  |
| 6  | Track-2 | ICSEEGT2022_T2_2015 | Experimental investigation of direct injection diesel engine using waste plastic oil as fuel                                       | Jatadhara g s, t k chandrashekhar, n r banapurmath, s b nagesh, and keerthi kumar n | Mr. Jatadhara g s   | Siddaganga institute of technology, b h road, tumakuru, karnataka, india   |
| 7  | Track-1 | ICSEEGT2022_T1_1026 | Soil dissolved organic carbon leaching characteristics of the coastal saline seepweed wetlands in the wuleidaowan national wetland | Zhang yijie, zhang haotian, zhang yihang, and tian xiujun                           | Ms. Zhang yijie     | Department of environmental engineering , college of civil engineering , beijing jiaotong university, beijing, china |
| 8  | Track-2 | ICSEEGT2022_T2_2032 | Perpetual flexible pavement vs. Rigid pavement: an economic and environmental cost comparison                                      | Rahul kumar, and sunil sharma   | Mr. Rahul kumar     | National institute of technology hamirpur, india   |
| 9  | Track-2 | ICSEEGT2022_T2_2033 | Measuring the level of road safety through road safety audit and star rating method – a case study from himalayan expressway       | Saurabh kumar s, and sunil sharma   | Mr. Saurabh kumar s | National institute of technology hamirpur, hamirpur, india   |
| 10 | Track-2 | ICSEEGT2022_T2_2034 | Standard operating procedure for assessment and rating of national highways based on highway efficiency                            | Agrita singh, and sunil sharma  | Ms. Agrita singh    | National institute of technology hamirpur, india   |
| 11 | Track-2 | ICSEEGT2022_T2_2035 | Performance rating of national highway based on road user perspective-a case study of kalka-shimla highway                         | Pratik solanki, and sunil sharma  | Mr. Pratik solanki  | National institute of technology hamirpur, india   |
| 12 | Track-2 | ICSEEGT2022_T2_2036 | Psychological predictors of sustainable transportation behaviour: implications for low carbon economy and society                  | Bhavana arya, and shiromi chaturvedi  | Dr. Bhavana arya    | Manipal university jaipur, india   |
| 13 | Track-2 | ICSEEGT2022_T2_2037 | Spring water management to ensure long term sustainability in north eastern regions of india                                       | Prem ranjan, pankaj kumar pandey, vanita pandey, and pema tshering lepcha           | Mr. Prem ranjan     | North eastern regional institute of science and technology, nirjuli, india   |
| 14 | Track-2 | ICSEEGT2022_T2_2041 | A study of cost comparison of flexible pavement using different soils  | Bhupathi sridhar, kuchu jayasree, and m v s s sastri                                | Dr. M v s s sastri  | Vasavi college of engineering (a), hyderabad, india  |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RICO Institutional Area  
Sitapura, JAIPUR

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|----|---------|---------------------|---|---|------------------------------------|---|
| 15 | Track-1 | ICSEEGT2022_T1_1042 | Durability characteristics of recycled aggregates for physical and chemical properties of concrete  | Rohit choudhary, satish jangid, ramdayal meena, and shailesh choudhary  | Mr. Rohit choudhary                | M.b.m. university jodhpur rajasthan, india  |
| 16 | Track-2 | ICSEEGT2022_T2_2044 | Modeling and optimization of the anaerobic digestion system for domestic wastewater treatment with the development of monitoring techniques               | Rajshree mathur, and meena kumari sharma  | Dr. Meena kumari sharma            | Manipal university jaipur, india  |
| 17 | Track-1 | ICSEEGT2022_T1_1045 | Analysis of different buffer layers on cuo based solar cells using scaps-1d   | Varun mishra, chandni tiwari, and rahul chauhan   | Dr. Chandni tiwari                 | Graphic era (deemed to be university) dehradun, india                                 |
| 18 | Track-2 | ICSEEGT2022_T2_2047 | Traffic count analysis during covid-19: case study of toll plazas under project highway along nagpur- jabalpur national highway (nh44) near nagpur, india | Kalpana n kawathekar (thakare), dr. Vilas k bakde   | Ms. Kalpana n kawathekar (thakare) | kits, ramtek, dist nagpur, india  |
| 19 | Track-2 | ICSEEGT2022_T2_2050 | Prediction of rainfall using hybrid svm-hho model   | Lipika moharana, abinash sahu, and dillip kumar ghose   | Lipika moharana                    | National institute of technology silchar, india                                       |
| 20 | Track-3 | ICSEEGT2022_T3_3051 | Impact assessment of citizen engagement and citizens' experience of services on service quality in smart cities in india                                  | Vikrant dhenge, and gopi nimbarte   | Mr. Vikrant dhenge                 | Visvesvaraya national institute of technology nagpur, india                           |
| 21 | Track-2 | ICSEEGT2022_T2_2054 | Chambal river water quality assessment at kota metropolis through the irrigation water quality indices from 2018-2021                                     | Aparna sharma, kuldeep, and anil k. Mathur  | Ms. Aparna sharma                  | University department , rajasthan technical university, kota, india                   |
| 22 | Track-1 | ICSEEGT2022_T1_1055 | Numerical investigation of concentrated solar central billboard with hexagonal tubes  | Sanjay n havaladar, harsh malapur, and kaustubh kulkarni  | Mr. Harsh malapur                  | Mit-world peace university, pune, india   |
| 23 | Track-1 | ICSEEGT2022_T1_1058 | COMPARISON OF MULTI LINEAR REGRESSION AND ARTIFICIAL NEURAL NETWORKS to predict the energy consumption of residential buildings                           | Rajat nainwal, and aniket sharma  | Mr. Rajat nainwal                  | National institute of technology hamirpur, india                                      |
| 24 | Track-2 | ICSEEGT2022_T2_2059 | Organic farming in the tropical, disaster-prone coasts: interventions, major challenges and a success story from sundarban biosphere reserve, india       | Abhiroop chowdhury, aparna shankar iyer, santanu bhattacharyya, shaad ullah khan, and aliya naz                         | Dr. Aliya naz                      | Tagore society for rural development, kolkata, india                                  |
| 25 | Track-1 | ICSEEGT2022_T1_1060 | Sustainable energy business model and strategies for marketing of clean energy products in rural areas of india   | Shiv sankar das, bijaya bijeta nayak, debashree debadatta behera, rita kumari sahu, sasmita sahu, and soumyaranjan giri | Dr. Shiv sankar das                | Zenith school of management, zenith group of institutions, bhubaneswar, odisha, india |

Dr. Mahesh Bunde  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RIIICO Institutional Area  
Stapura, JAIPUR

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|----|---------|---------------------|--|--|---------------------------------|--|
| 26 | Track-1 | ICSEEGT2022_T1_1061 | Performance evaluation of the absorbing plate of a hybrid solar dryer for potato drying  | Debashree debadatta behera, r.c. mohanty, a.m. mohanty, shiv sankar das, and bijaya bijeta nayak       | Mrs. Debashree debadatta behera | Centurion university of technology and management, odisha, india                               |
| 27 | Track-1 | ICSEEGT2022_T1_1068 | Integrating digital mission and sustainable development goal-9 for building technologies: a study of navratna companies of india   | Navita mahajan, vibha singh, navleen kaur, and astha gupta   | Dr. Navita mahajan              | Amity university, noida, india   |
| 28 | Track-2 | ICSEEGT2022_T2_2070 | Four-year spatiotemporal distribution & analysis of pm2.5 and its precursor air pollutant so <sub>2</sub> , no <sub>2</sub> & nh <sub>3</sub> and their impact on l <sub>st</sub> in bengaluru city, india | Gourav suthar, rajat prakash singhal, sumit khandelwal, nivedita kaul, vinod parmar, and abhey p singh | Mr. Gourav suthar               | Malaviya national institute of technology jaipur, india  |
| 29 | Track-2 | ICSEEGT2022_T2_2071 | Urban environmental challenges associated with dynamics of slum settlement   | Rashmi kumari  | Dr. Rashmi kumari               | National institute of technology hamirpur, india   |
| 30 | Track-1 | ICSEEGT2022_T1_1072 | Review on recycling of microplastics in cigarette butts  | Mary christine george, and rupali pratik khadgar   | Ms. Mary christine george       | Anjuman-i-islam's abdul razzak kalsekar polytechnic, new panvel, navi mumbai, india            |
| 84 | Track 1 | ICSEEGT2022_T1_1072 | Review on recycling of microplastics in cigarette butts  | Mary christine george, and rupali pratik khadgar   | rupali pratik khadgar           | Anjuman-i-islam's abdul razzak kalsekar polytechnic, new panvel, navi mumbai, india            |
| 31 | Track-1 | ICSEEGT2022_T1_1074 | An experimental behavior on green concrete utilizing granite slurry waste (gs <sub>w</sub> ) as partial substitute of cement   | Sachin sharma, priyanka pandey, pooja gupta, abhay m. Shende, and rakesh bhandari                      | Mr. Sachin sharma               | Sangam university, bhiwar, india   |
| 32 | Track-2 | ICSEEGT2022_T2_2076 | Energy, geopolitics and the dying arctic ice fields: an enviro- political perspective  | A thangaraj, and a chowdhury   | Mr. Abhilash thangaraj          | Jindal school of international affairs, o.p. jindal global university, sonapat, haryana, india |
| 33 | Track-3 | ICSEEGT2022_T3_3079 | Gender-friendly cities and the built environment raise a few concerns  | Asmita yadav, and rashmi kumari  | Ms. Asmita yadav                | National institute of technology hamirpur, india   |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RIIICO Institutional Area  
Sitapura, JAIPUR

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|----|---------|---------------------|--|---|-----------------------------|---|
| 34 | Track-2 | ICSEEGT2022_T2_2080 | Mapping groundwater potential zone and flood risk zone in the visakhapatnam district, india                                | P. Vamsi krishna prasad, m. Leela priyanka, r. Sarath, b. Raghupathi naidu, and t. Ravi | Mr. P. Vamsi krishna prasad | Vignan's institute of information technology, visakhapatnam, india              |
| 35 | Track-1 | ICSEEGT2022_T1_1081 | The need for legislation on renewable energy for sustainable development in india  | Aniket bhargava, and khyati kochhar   | Mr. Aniket bhargava         | Faculty of law, banasthali vidyapith village, banasthali, rajasthan, india      |
| 36 | Track-1 | ICSEEGT2022_T1_1082 | Eco-anxiety and environmental concern as predictors of eco-activism  | Nishtha jain , and prashasti jain   | Dr. Prashasti jain          | Manipal university jaipur, india  |
| 37 | Track-1 | ICSEEGT2022_T1_1084 | Effect of pozzolanic material on drying shrinkage characteristics of blended cementitious mortar                           | Nitesh balaji thikare, shalini yadav, and ranjit patil                                  | Mr. Nitesh balaji thikare   | Rabindranath tagore university, bhopal, india                                   |
| 38 | Track-3 | ICSEEGT2022_T3_3085 | Tainted wastewater remediation through inverted multimedia biofilter   | Amit m.kharwade, shalini yadav, ranjit patil , and sunil k sharma                       | Mr. Amit m.kharwade         | Department of civil engineering , rabindranath tagore university, bhopal, india |
| 39 | Track-1 | ICSEEGT2022_T1_1086 | Urban organic waste as a source of bioenergy for electricity generation in bhopal, madhya pradesh                          | Nirjhar gupta, jitendra patel, nitesh gupta, and amit vishwakarma                       | Mr. Nirjhar gupta           | University institute of technology (rgpv), bhopal, india                        |
| 40 | Track-1 | ICSEEGT2022_T1_1088 | Strength and durability of concrete by partial replacement of sand by copper slag and cement by egg shell powder: a review | Dhiraj naxine, and anita nag  | Mr. Dhiraj ramesh naxine    | G h raisoni university, amravati, india   |
| 41 | Track-1 | ICSEEGT2022_T1_1089 | Life cycle costing methodology for sustainable construction  | Mustafa soyab sadliwala, and nivedita.g.gogate  | Mr. Mustafa soyab sadliwala | Mit world peace university kothrud, pune, india                                 |
| 85 | Track 1 | ICSEEGT2022_T1_1089 | Life cycle costing methodology for sustainable construction  | Mustafa soyab sadliwala, and nivedita.g.gogate  | Nivedita.g.gogate           | Mit world peace university pune, india  |
| 42 | Track-1 | ICSEEGT2022_T1_1090 | Utilization of silica fume and fly ash in cement and partial substitution of fine aggregate using quarry dust in concrete  | Sudhir kapgate, and anjul tomar   | Mr.sudhir kapgate           | G h raisoni university,a mravati, india   |
| 43 | Track-1 | ICSEEGT2022_T1_1095 | Approximate climate analysis for assessing the suitability of indian climate zones for hydroponic fodder applications      | Souryadeep basak, and aviruch bhatia  | Mr. Souryadeep basak        | Teri school of advanced studies, new, india                                     |

  
Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RLCO Institutional Area  
Sitapura, JAIPUR

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|----|---------|---------------------|--|--|----------------------------------|---|
| 44 | Track-2 | ICSEEGT2022_T2_2097 | Assessment and identification of drought prone zone in a low laying area by ahp and mif method: a gis based study                  | Nameirakpam momo singh, and thiyam tamphasana devi   | Mr. Nameirakpam momo singh       | National institute of technology manipur, india   |
| 45 | Track-1 | ICSEEGT2022_T1_1098 | Sustainable rural development through renewable energy technologies: identification of potential methods to increase rural incomes | Amitabh patnaik, pallavi kudal, sunny dawar, and prince dawar  | Dr. Sunny dawar                  | Manipal university jaipur, rajasthan, india   |
| 46 | Track 2 | ICSEEGT2022_T2_2101 | Transport infrastructure investment: a comparative analysis between china, russia and india  | Banga raju , preeti aneja, and biswajeet mishra  | Ms. Preeti aneja                 | University of petroleum and energy studies, dehradun, india                               |
| 47 | Track-2 | ICSEEGT2022_T2_2104 | Application of circular economy in wastewater treatment using biochar based adsorbent derived from sewage sludge                   | Pooja panchappa kenchannavar, and anupama surenjan   | Ms. Pooja panchappa kenchannavar | National institute of technology karnataka, surtahnkal, india                             |
| 48 | Track-1 | ICSEEGT2022_T1_1105 | Sustainable energy efficient green campuses: a systematic literature review and bibliometric analysis                              | Chintan pandya, saurabh prajapati, and rupam gupta   | Mr. Chintan pandya               | Anant national university, ahmedabad , gujarat, india                                     |
| 49 | Track-1 | ICSEEGT2022_T1_1107 | Assessment of fixed rack and 1-axis tracking crystalline silicon photovoltaic array on their ideal energy performance              | Prakhar duggal , ravinder kumar tomar , vigneshwaran s., vegesna rohith varma , and vekhohu puro   | Mr. Vigneshwaran s               | Amity school of engineering and technology, amity university, noida, uttar pradesh, india |
| 50 | Track-2 | ICSEEGT2022_T2_2114 | Trend analysis and forecasting of long-term temperature data to anticipate local warming: a case study of jawa timur, indonesia    | Abdur rohman, ph.d, retno utami agung wiyono and fitriani  | Dr. Abdur rohman                 | Department of environmental engineering , universitas jember, jawa timur, indonesia       |
| 51 | Track-2 | ICSEEGT2022_T2_2116 | Formulation of parking demand estimation model in transit oriented cbds: a review  | Debasish das, debargha banerjee, dibyendu das, sharmistha bhowmik, ishita roy, tanmoy sarkhel, suhel raj, and pritam das                   | Mr. Dibyendu das                 | Jis college of engineering , kalyani, west bengal, india                                  |
| 52 | Track-1 | ICSEEGT2022_T1_1117 | Manufacturing of brick from medical waste (mw)   | Debasish das, debargha banerjee, swarup rudra paul, shaswatika pal, jagriti das, archanava chandra, princy kumar singh, and sujoy adhikari | Mr. Archanava chandra            | Jis college of engineering , kalyani, west bengal, india                                  |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.  
Director



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|----|---------|---------------------|---|---|------------------------------------|---|
| 53 | Track-3 | ICSEEGT2022_T3_3118 | Corrosion analysis of rcc beam using simplified fem model   | Yamuna bhagwat, gopinatha nayak, poornachandra pandit, harithakrishnan, and aishwarya lakshmi   | Mrs. Yamuna bhagwat                | Manipal institute of technology, manipal academy of higher education, manipal, karnataka, india |
| 54 | Track-2 | ICSEEGT2022_T2_2121 | Delay models for signalised intersections with vehicle actuated controlled system in heterogeneous traffic conditions   | Borigarla barhmaiah, a chandrasekar, tanala ramya, and s mores santhakumar4   | Mr. Borigarla barhmaiah            | National institute of technology tiruchirappalli, india   |
| 55 | Track-2 | ICSEEGT2022_T2_2125 | Strength behavior of expansive subgrade soil stabilized with coronus material   | Sateesh kumar pisini, and swetha priya darshini thammadi  | Mr. Sateesh kumar pisini           | Fiji national university, suva, fiji  |
| 56 | Track-3 | ICSEEGT2022_T3_3127 | Review of open space rules and regulations and identification of specificities for plot-level open spaces to facilitate sustainable development: an indian case | Sameer gujar, amit deshमुख, and reshū gupta   | Mr. Sameer gujar                   | Visvesvara ya national institute of technology  |
| 57 | Track 1 | ICSEEGT2022_T1_1129 | Biofuel production through algae route using solar assisted carbon capture plant  | Meenakshi samartha, ravi kumar singh pippal, and vinod krishna sethi  | Dr. V.k. sethi                     | Rkdf university, bhopal, india  |
| 58 | Track-2 | ICSEEGT2022_T2_2131 | Role of adr methods in environmental conflicts in the light of sustainable development  | Jaffar alkhayer, narinder gupta, and chander mohan gupta  | Mr. Jaffar alkhayer                | Faculty of legal science, shooini university, solan, himachal pradesh, india                    |
| 59 | Track-3 | ICSEEGT2022_T3_3133 | Response spectrum analysis of a rc building based on complete quadratic combination (cqc) method  | Debargha banerjee, debasish das , uddipta ghosh, dina debnath, santanu debnath, snehasish malakar, ratnadwipa das, sanjoy datta, and syed ealham hossain                              | Ms. Dina debnath                   | Jis college of engineering , kalyani, west bengal, india  |
| 60 | Track-3 | ICSEEGT2022_T3_3138 | Nanotechnology and building construction: towards effective stakeholder engagement  | Swetha priya darshini thammadi, and sateesh kumar pisini  | Ms. Swetha priya darshini thammadi | Fiji national university, suva, fiji  |
| 61 | Track-1 | ICSEEGT2022_T1_1140 | Clean drinking water solution for rural india: portable sip-up  | Meraj ahmad, arti sharma, quadri s. Mujtaba, saurabh yadav, ritwik kulkarni, sandeep gupta, amrita k. Nighojkar, raj kumar satankar, meenu chhabra, ambesh dixit, and anand plappally | Mr. Meraj ahmad                    | Indian institute of technology, jodhpur, india  |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

Director  
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131-6, RIIICO Institutional Area  
Sitapura, JAIPUR

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|----|---------|---------------------|--|--|------------------------------------|--|
| 62 | Track-2 | ICSEEGT2022_T2_2141 | Towards optimization of horizontal flow constructed wetlands (hfcws) design by employing machine learning on the secondary datasets                  | Saurabh singh, n m kulshreshtha, shubham goyal, u brighu, a n bezbaruah, and a b gupta | Mr. Saurabh singh                  | Malaviya national institute of technology jaipur, india  |
| 63 | Track-2 | ICSEEGT2022_T2_2142 | Analysis of blended concrete cubes under impact loading using ansys  | Janhavi singh, and shilpa pal  | Ms. Janhavi singh                  | Delhi technological university, new delhi, india   |
| 64 | Track-2 | ICSEEGT2022_T2_2149 | Soil erosion mapping using remote sensing and gis - a case study of rewa river watershed, naitasiri province, fiji                                   | Swetha priya darshini thammadi, and sateesh kumar pisini                               | Ms. Swetha priya darshini thammadi | Fiji national university, suva, fiji   |
| 65 | Track-3 | ICSEEGT2022_T3_3152 | A novel fuzzy direct control of induction motor drive  | Bharat gothania, r.k. kumawat, gaurav jain, and annu govind                            | Mr. Bharat gothania                | Career point university, kota, india   |
| 66 | Track-1 | ICSEEGT2022_T1_1157 | Gis mapping for distribution of ground water quality in udaipur  | Sangeeta choudhary, denis jangeed, prithvi raj rankawat, sweetie tank, and nikhil sen  | Dr. Sangeeta choudhary             | Geetanjali institute of technical studies, udaipur, india  |
| 67 | Track-3 | ICSEEGT2022_T3_3159 | Numerical analysis of rcc beam using abaqus  | A.hemamathi, binu sukumar, and r.b. hambrish guru chandrakant                          | Ms. A.hemamathi                    | R.m.k. engineering college, tamil nadu, india  |
| 68 | Track-2 | ICSEEGT2022_T2_2162 | Investigation into the compressive stress on lumber spine among tractor driver during different ride conditions                                      | Chander prakash, lakhwinder pal singh, and ajay gupta                                  | Mr. Chander prakash                | Dr. B. R. Ambedkar national institute of technology jalandhar, punjab, india   |
| 69 | Track-2 | ICSEEGT2022_T2_2163 | Correlation study of physico-chemical parameters and water quality index around kodungaiyur dumping ground   | Aishwarya r., faizuneesa a., hemamathi a., ramshankar p., and yuvraj m.                | Mrs. Aishwarya r                   | R.m.k. engineering college, tamil nadu, india  |
| 70 | Track-2 | ICSEEGT2022_T2_2165 | Geo-statistical analysis of ground water fluctuations for sustainable management of groundwater resources within the chaliyar basin, southwest india | Mohd izharuddin ansari, l n thakral, and qamrul hassan                                 | Mr. Mohd izharuddin ansari         | Jamia millia islamia, jamia nagar, okhla, new delhi-110025, india  |
| 71 | Track-2 | ICSEEGT2022_T2_2166 | Environmental impact assessment of maize production in northern india  | Rohit kumar, arvind bhardwaj, lakhwinder pal singh and gurraj singh                    | Mr. Rohit kumar                    | Department of industrial and production engineering, dr. B r ambedkar national institute of technology, jalandhar, punjab, india-144027nit jalandhar |

  
**Dr. Mahesh Bunde**  
 B.E., M.E., Ph.D.

**Director**  
 Poornima College of Engineering  
 131-6, RIIICO Institutional Area  
 Stalpur, JAIPUR

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|----|---------|---------------------|--|---|--|---|
| 72 | Track-3 | ICSEEGT2022_T3_3167 | A literature review on mechanical properties of waste pet bottle based fibre   | Devendra kumar somwanshi, vijay prakash sharma, shikha sharma, and kalpit jain                                | Mr. Vijay prakash sharma   | Manipal university jaipur, india  |
| 73 | Track-3 | ICSEEGT2022_T3_3168 | Compressive strength of waste pet bottle based fibre   | Devendra kumar somwanshi, vijay prakash sharma, shikha sharma, kalpit jain                                    | Mr. Vijay prakash sharma   | Manipal university jaipur, india  |
| 74 | Track-1 | ICSEEGT2022_T1_1169 | Experimental and numerical investigation on strength behaviour of geogrid reinforced subgrade soil                     | Sateesh kumar pisini, swetha priya darshini thammadi, monish nadan, naadirah edward, and shaniza farnaz nisha | Mr. Sateesh kumar pisini   | Fiji national university, suva, fiji  |
| 75 | Track-1 | ICSEEGT2022_T1_1171 | Optimization of renewable energy resource -a review  | Vijay prakash sharma, devendra kumar somwanshi, kalpit jain, and raj kumar satankar                           | Mr. Vijay prakash sharma   | Manipal university jaipur, india  |
| 76 | Track-1 | ICSEEGT2022_T1_1172 | A literature review on renewable energy resource and optimization  | Vijay prakash sharma, devendra kumar somwanshi, kalpit jain, and raj kumar satankar                           | Mr. Vijay prakash sharma   | Manipal university jaipur, india  |
| 77 | Track-2 | ICSEEGT2022_T2_2173 | Performance evaluation of water treatment plant of kekri, rajasthan, india   | Roop singh sinsinwar, and munna verma   | Mr. Roop singh sinsinwar   | Bhagwant university ajmer, rajasthan, india                                       |
| 78 | Track-2 | ICSEEGT2022_T2_2175 | An investigation of sick building syndrome (sbs) affecting health of occupants in western maharashtra, india.          | Amol d pawar, anil agarwal, babalu rajput, and sudarshan d kore   | Dr. Amol d pawar   | National institute of construction management ( nicmar ) pune campus, pune, india |
| 79 | Track-1 | ICSEEGT2022_T1_1177 | The uptake of environmental management system by small and medium enterprises (smes) in india                          | Hari prapan sharma, and kishore kumar   | Dr. Hari prapan sharma   | Gla university, mathura, india  |
| 80 | Track-3 | ICSEEGT2022_T3_3178 | Design and development of the divergent wind turbine   | Himanshu rajput, anil gupta, harihar sah, manoj gattani, and raj kumar satankar                               | Mr.himanshu rajput   | Poornima college of engineering , jaipur, india                                   |
| 81 | Track-3 | ICSEEGT2022_T3_3179 | Energy efficient buildings in india: key area and challenges   | Preeti tarkar   | Dr. Preeti tarkar  | Gla university, mathura, india  |
| 82 | Track-2 | ICSEEGT2022_T2_2180 | Emission performance assessment of in-use diesel-driven cars   | Abhinav pandey, rajeev kumar mishra, and govind pandey  | Mr. Abhinav pandey   | Delhi technological university, new delhi, india                                  |
| 83 | Track-1 | ICSEEGT2022_T1_1183 | Techno-economic assessment of lpg operated porous radiant burner based cook-stoves for commercial cooking applications | Sofia rani shaik, p muthukumar, pratul and chandra kalita   | Ms. Sofia rani shaik   | Indian institute of technology guwahati, india                                    |
| 84 | Track-1 | ICSEEGT2022_T1_1082 | Eco-anxiety and environmental concern as predictors of eco-activism  | Nishtha jain , and prashasti jain   | <br>Dr. Mahesh Bunde<br>B.E., M.E., Ph.D.<br>Director<br>Poornima College of Engineering<br>131-6, RILCO Institutional Area<br>Sitapura, JAIPUR | Manipal university jaipur   |

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|----|--|--|---|-------------------------------------|----------------|--|
| 86 |  |  | The need for legislation on renewable energy for sustainable development in india | Aniket bhargava, and khyati kochhar | Khyati kochhar | Faculty of law, banasthali vidyapith village, banasthali, rajasthan, india |
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### LIST OF ATTENDED CANDIDATES

| S N | Track   | ID                  | Topic  | Name  | Presenter             | Institute  |
|-----|---------|---------------------|--|---|-----------------------|--|
| 1   | Track-3 | ICSEEGT2022_T3_3002 | Quality assessment of composts from different organic sources  | Parveen parihaar, and rakesh choudhary  | Ms. Parveen parihaar  | Bhartiya skill development university, jaipur, india                                       |
| 2   | Track-2 | ICSEEGT2022_T2_2003 | Framework for freight movement in bangalore city, india  | Seelam srikanth, syed omar ballari, and sala eswar  | Dr. Seelam srikanth   | Reva university, bengaluru, india  |
| 3   | Track-2 | ICSEEGT2022_T2_2005 | Application of eco-friendly and smart materials in geotechnical engineering for subgrade stabilization: a review                   | Piyush v. Kolhe, and anant i. Dhatrak   | Mr. Piyush v. Kolhe   | Prof. Ram meghe institute of technology and research badnera, amravati, maharashtra, india |
| 4   | Track-1 | ICSEEGT2022_T1_1010 | Low frequency vibration energy harvester using compliant mechanism driven rosen-type piezoelectric transformer                     | Sanniva bhattacharjee, aryan kanu, arnab roy chowdhury, soumyadeep mondal, nilanjan chatteraj, and nirmal baran hui | Mr. Soumyadeep mondal | National institute of technology durgaapur, india  |
| 5   | Track-3 | ICSEEGT2022_T3_3011 | Relationship of shading devices and its effects on daylight in commercial buildings in pune.                                       | Neha joshi, and pradnya nishad patki  | Mrs. Neha joshi       | Mkss's dr. B. N. College of architecture, pune, india                                      |
| 6   | Track-2 | ICSEEGT2022_T2_2015 | Experimental investigation of direct injection diesel engine using waste plastic oil as fuel                                       | Jatadhara g s, t k chandrashekhar, n r banapurmath, s b nagesh, and keerthi kumar n                                 | Mr. Jatadhara g s     | Siddaganga institute of technology, b h road, tumakuru, karnataka, india                   |
| 7   | Track-1 | ICSEEGT2022_T1_1026 | Soil dissolved organic carbon leaching characteristics of the coastal saline seepweed wetlands in the wuleidaowan national wetland | zhang yijie, zhang haojian, zhang yihang, and tian xiujun   | Ms. Zhang yijie       | Department of environmental engineering, college of civil engineering, beijing jiaotong    |

  
Dr. Mahesh Bunde  
B.E., M.E., Ph.D.

|    |         |                     |  |   |                     |  |
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|    |         |                     |  |   |                     | , beijing, china   |
| 8  | Track-2 | ICSEEGT2022_T2_2032 | Perpetual flexible pavement vs. Rigid pavement: an economic and environmental cost comparison                                | Rahul kumar, and sunil sharma   | Mr. Rahul kumar     | National institute of technology hamirpur, india                           |
| 9  | Track-2 | ICSEEGT2022_T2_2033 | Measuring the level of road safety through road safety audit and star rating method – a case study from himalayan expressway | Saurabh kumar s, and sunil sharma   | Mr. Saurabh kumar s | National institute of technology hamirpur, hamirpur, india                 |
| 10 | Track-2 | ICSEEGT2022_T2_2034 | Standard operating procedure for assessment and rating of national highways based on highway efficiency                      | Agrita singh, and sunil sharma  | Ms. Agrita singh    | National institute of technology hamirpur, india                           |
| 11 | Track-2 | ICSEEGT2022_T2_2035 | Performance rating of national highway based on road user perspective-a case study of kalka-shimla highway                   | Pratik solanki, and sunil sharma  | Mr. Pratik solanki  | National institute of technology hamirpur, india                           |
| 12 | Track-2 | ICSEEGT2022_T2_2036 | Psychological predictors of sustainable transportation behaviour: implications for low carbon economy and society            | Bhavana arya, and shiromi chaturvedi                                      | Dr. Bhavana arya    | Manipal university jaipur, india   |
| 13 | Track-2 | ICSEEGT2022_T2_2037 | Spring water management to ensure long term sustainability in north eastern regions of india                                 | Prem ranjan, pankaj kumar pandey, vanita pandey, and pema tshering lepcha | Mr. Prem ranjan     | North eastern regional institute of science and technology, nirjuli, india |
| 14 | Track-2 | ICSEEGT2022_T2_2041 | A study of cost comparison of flexible pavement using different soils  | Bhupathi sridhar, kuchu jayasree, and m v s s sastry                      | Dr. M v s s sastry  | Vasavi college of engineering (a), hyderabad, india                        |
| 15 | Track-1 | ICSEEGT2022_T1_1042 | Durability characteristics of recycled aggregates for physical and chemical properties of concrete                           | Rohit choudhary, satish jangid, ramdayal meena, and shailesh choudhary    | Mr. Rohit choudhary | M.b.m. university jodhpur rajasthan, india                                 |



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|----|---------|---------------------|--|---|------------------------------------|--|
| 16 | Track-2 | ICSEEGT2022_T2_2044 | Modeling and optimization of the anaerobic digestion system for domestic wastewater treatment with the development of monitoring techniques              | Rajshree mathur, and meena kumari sharma  | Dr. Meena kumari sharma            | Manipal university jaipur, india                                   |
| 17 | Track-1 | ICSEEGT2022_T1_1045 | Analysis of different buffer layers on cuo based solar cells using scaps-1d  | Varun mishra, chandni tiwari, and rahul chauhan   | Dr. Chandni tiwari                 | Graphic era (deemed to be university ) dehradun, india             |
| 18 | Track-2 | ICSEEGT2022_T2_2047 | Traffic count analysis during covid-19: case study of toll plazas under project highway along nagpur-jabalpur national highway (nh44) near nagpur, india | Kalpana n kawathekar (thakare), dr. Vilas k bakde   | Ms. Kalpana n kawathekar (thakare) | kits, ramtek, dist nagpur, india                                   |
| 19 | Track-2 | ICSEEGT2022_T2_2050 | Prediction of rainfall using hybrid svm-hho model  | Lipika moharana, abinash sahu, and dillip kumar ghose   | Lipika moharana                    | National institute of technology silchar, india                    |
| 20 | Track-3 | ICSEEGT2022_T3_3051 | Impact assessment of citizen engagement and citizens' experience of services on service quality in smart cities in india                                 | Vikrant dhenge, and gopi nimbarte   | Mr. Vikrant dhenge                 | Visvesvar aya national institute of technology nagpur, india       |
| 21 | Track-2 | ICSEEGT2022_T2_2054 | Chambal river water quality assessment at kota metropolis through the irrigation water quality indices from 2018-2021                                    | Aparna sharma, kuldeep, and anil k. Mathur  | Ms. Aparna sharma                  | University department, rajasthan technical university, kota, india |
| 22 | Track-1 | ICSEEGT2022_T1_1055 | Numerical investigation of concentrated solar central billboard with hexagonal tubes   | Sanjay n havaladar, harsh malapur, and kaustubh kulkarni  | Mr. Harsh malapur                  | Mit-world peace university, pune, india                            |
| 23 | Track-1 | ICSEEGT2022_T1_1058 | COMPARISON OF MULTI LINEAR REGRESSION AND ARTIFICIAL NEURAL NETWORKS to predict the energy consumption of residential buildings                          | RAJAT NAINWAL, AND ANIKET SHARMA  | MR. RAJAT NAINWAL                  | NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR, INDIA                   |
| 24 | Track-2 | ICSEEGT2022_T2_2059 | Organic farming in the tropical, disaster-prone coasts: interventions, major challenges and a success story from sundarban biosphere reserve, india      | Abhiroop chowdhury, aparna shankar iyer, santanu bhattacharyya, shaad ullah khan, and aliya naz | Dr. Aliya naz                      | Tagore society for rural development, kolkata, india               |

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|----|---------|---------------------|--|---|---------------------------------|---|
| 25 | Track-1 | ICSEEGT2022_T1_1060 | Sustainable energy business model and strategies for marketing of clean energy products in rural areas of india  | Shiv sankar das, bijaya bijeta nayak, debashree debadatta behera, rita kumari sahu, sasmita sahu, and soumyaranjan giri | Dr. Shiv sankar das             | Zenith school of management, zenith group of institutions, bhubaneswar, odisha, india |
| 26 | Track-1 | ICSEEGT2022_T1_1061 | Performance evaluation of the absorbing plate of a hybrid solar dryer for potato drying  | Debashree debadatta behera, r.c. mohanty, a.m. mohanty, shiv sankar das, and bijaya bijeta nayak                        | Mrs. Debashree debadatta behera | Centurion university of technology and management, odisha, india                      |
| 27 | Track-1 | ICSEEGT2022_T1_1068 | Integrating digital mission and sustainable development goal-9 for building technologies: a study of navratna companies of india   | Navita mahajan, vibha singh, navleen kaur, and astha gupta  | Dr. Navita mahajan              | Amity university, noida, india  |
| 28 | Track-2 | ICSEEGT2022_T2_2070 | Four-year spatiotemporal distribution & analysis of pm2.5 and its precursor air pollutant so <sub>2</sub> , no <sub>2</sub> & nh <sub>3</sub> and their impact on l <sub>st</sub> in bengaluru city, india | Gourav suthar, rajat prakash singhal, sumit khandelwal, nivedita kaul, vinod parmar, and abhey p singh                  | Mr. Gourav suthar               | Malaviya national institute of technology jaipur, india                               |
| 29 | Track-2 | ICSEEGT2022_T2_2071 | Urban environmental challenges associated with dynamics of slum settlement   | Rashmi kumari   | Dr. Rashmi kumari               | National institute of technology hamirpur, india                                      |
| 30 | Track-1 | ICSEEGT2022_T1_1072 | Review on recycling of microplastics in cigarette butts  | Mary christine george, and rupali pratik khadgar  | Ms. Mary christine george       | Anjuman-i-islam's abdul kalsook kalsook polytechnic, new panvel, navi mumbai, india   |
| 84 | Track 1 | ICSEEGT2022_T1_1072 | Review on recycling of microplastics in cigarette butts  | Mary christine george, and rupali pratik khadgar  | rupali pratik khadgar           | Anjuman-i-islam's abdul kalsook kalsook polytechnic, new panvel, navi mumbai, india   |
| 31 | Track-1 | ICSEEGT2022_T1_1074 | An experimental behavior on green concrete utilizing granite slurry waste (gs <sub>w</sub> ) as partial substitute of cement   | Sachin sharma, priyanka pandey, pooja gupta, abhay m. Shende, and rakesh bhandari                                       | Mr. Sachin sharma               | Sangam university, bhiwara, india   |

**Dr. Mahesh Bundale**  
B.E., M.E., Ph.D.

Director  
Poornima College of Engineering  
131-6, RICO Institutional Area  
Stapura, JAIPUR

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|----|---------|---------------------|--|---|-----------------------------|---|
| 32 | Track-2 | ICSEEGT2022_T2_2076 | Energy, geopolitics and the dying arctic ice fields: an enviro- political perspective                                      | a thangaraj, and a chowdhury  | Mr. Abhilash thangaraj      | Jindal school of international affairs, o.p. jindal global university , sonipat, haryana, india |
| 33 | Track-3 | ICSEEGT2022_T3_3079 | Gender-friendly cities and the built environment raise a few concerns  | asmita yadav, and rashmi kumari   | Ms. Asmita yadav            | National institute of technology hamirpur, india  |
| 34 | Track-2 | ICSEEGT2022_T2_2080 | Mapping groundwater potential zone and flood risk zone in the visakhapatnam district, india                                | p. Vamsi krishna prasad, m. Leela priyanka, r. Sarath, b. Raghupathi naidu, and t. Ravi | Mr. P. Vamsi krishna prasad | Vignan's institute of information technology, visakhapatnam, india                              |
| 35 | Track-1 | ICSEEGT2022_T1_1081 | The need for legislation on renewable energy for sustainable development in india  | aniket bhargava, and khyati kochhar   | Mr. Aniket bhargava         | Faculty of law, banasthali vidyapith village, banasthali , rajasthan, india                     |
| 36 | Track-1 | ICSEEGT2022_T1_1082 | Eco-anxiety and environmental concern as predictors of eco-activism  | nishtha jain , and prashasti jain   | Dr. Prashasti jain          | Manipal university jaipur, india  |
| 37 | Track-1 | ICSEEGT2022_T1_1084 | Effect of pozzolanic material on drying shrinkage characteristics of blended cementitious mortar                           | Nitesh balaji thikare, shalini yadav, and ranjit patil                                  | Mr. Nitesh balaji thikare   | Rabindranath tagore university , bhopal, india  |
| 38 | Track-3 | ICSEEGT2022_T3_3085 | Tainted wastewater remediation through inverted multimedia biofilter   | amit m.kharwade, shalini yadav, ranjit patil , and sunil k sharma                       | Mr. Amit m.kharwade         | Department of civil engineering & rabindranath tagore university , bhopal, india                |
| 39 | Track-1 | ICSEEGT2022_T1_1086 | Urban organic waste as a source of bioenergy for electricity generation in bhopal, madhya pradesh                          | nirjhar gupta, jitendra patel, nitesh gupta, and amit vishwakarma                       | Mr. Nirjhar gupta           | University institute of technology (rgpv), bhopal, india  |
| 40 | Track-1 | ICSEEGT2022_T1_1088 | Strength and durability of concrete by partial replacement of sand by copper slag and cement by egg shell powder: a review | dhiraj naxine, and anita nag  | Mr. Dhiraj ramesh naxine    | G h raisoni university , amravati, india  |

  
Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

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|----|---------|---------------------|--|--|----------------------------------|---|
| 41 | Track-1 | ICSEEGT2022_T1_1089 | Life cycle costing methodology for sustainable construction  | mustafa soyab sadliwala, and nivedita.g.gogate   | Mr. Mustafa soyab sadliwala      | Mit world peace university kothrud, pune, india                             |
| 85 | Track 1 | ICSEEGT2022_T1_1089 | Life cycle costing methodology for sustainable construction  | mustafa soyab sadliwala, and nivedita.g.gogate   | Nivedita.g.gogate                | Mit world peace university pune, india                                      |
| 42 | Track-1 | ICSEEGT2022_T1_1090 | Utilization of silica fume and fly ash in cement and partial substitution of fine aggregate using quarry dust in concrete          | sudhir kapgate, and anjul tomar  | Mr.sudhir kapgate                | G h raisoni university ,amravati, india                                     |
| 43 | Track-1 | ICSEEGT2022_T1_1095 | Approximate climate analysis for assessing the suitability of indian climate zones for hydroponic fodder applications              | souryadeep basak, and aviruch bhatia   | Mr. Souryadeep basak             | Teri school of advanced studies, new, india                                 |
| 44 | Track-2 | ICSEEGT2022_T2_2097 | Assessment and identification of drought prone zone in a low laying area by ahp and mif method: a gis based study                  | nameirakpam momo singh, and thiyam tamphasana devi   | Mr. Nameirakpam momo singh       | National institute of technology manipur, india                             |
| 45 | Track-1 | ICSEEGT2022_T1_1098 | Sustainable rural development through renewable energy technologies: identification of potential methods to increase rural incomes | amitabh patnaik, pallavi kudal, sunny dawar, and prince dawar                                    | Dr. Sunny dawar                  | Manipal university jaipur, rajasthan, india                                 |
| 46 | Track 2 | ICSEEGT2022_T2_2101 | Transport infrastructure investment: a comparative analysis between china, russia and india  | banga raju , preeti aneja, and biswajeet mishra  | Ms. Preeti aneja                 | University of petroleum and energy studies, dehradun, india                 |
| 47 | Track-2 | ICSEEGT2022_T2_2104 | Application of circular economy in wastewater treatment using biochar based adsorbent derived from sewage sludge                   | pooja panchappa kenchannavar, and anupama surenjan   | Ms. Pooja panchappa kenchannavar | National institute of technology karnataka, surtakhil, india                |
| 48 | Track-1 | ICSEEGT2022_T1_1105 | Sustainable energy efficient green campuses: a systematic literature review and bibliometric analysis                              | chintan pandya, saurabh prajapati, and rupam gupta   | Mr. Chintan pandya               | Anant national university , ahmedabad, gujarat, india                       |
| 49 | Track-1 | ICSEEGT2022_T1_1107 | Assessment of fixed rack and 1-axis tracking crystalline silicon photovoltaic array on their ideal energy performance              | prakhar duggal , ravinder kumar tomar , vigneshwaran s., vegesna rohith varma , and vekhohu puro | Mr. Vigneshwaran s               | Amity school of engineering and technology, amity university , noida, uttar |

  
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B.E., M.E., Ph.D.

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|----|---------|-------------------------|---|--|--------------------------|---|
|    |         |                         |   |  |                          | pradesh,<br>india   |
| 50 | Track-2 | ICSEEGT2022<br>_T2_2114 | Trend analysis and forecasting of long-term temperature data to anticipate local warming: a case study of jawa timur, indonesia                                 | abdur rohman, ph.d, retno utami agung wiyono and fitriani  | Dr. Abdur rohman         | Department of environmental engineering, universitas jember, jawa timur, indonesia              |
| 51 | Track-2 | ICSEEGT2022<br>_T2_2116 | Formulation of parking demand estimation model in transit oriented cbds: a review   | Debasish das, debargha banerjee, dibyendu das, sharmistha bhowmik, ishita roy, tanmoy sarkhel, suhel raj, and pritam das                   | Mr. Dibyendu das         | Jis college of engineering, kalyani, west bengal, india   |
| 52 | Track-1 | ICSEEGT2022<br>_T1_1117 | Manufacturing of brick from medical waste (mw)  | Debasish das, debargha banerjee, swarup rudra paul, shaswatika pal, jagriti das, archanava chandra, princu kumar singh, and sujoy adhikari | Mr. Archanava chandra    | Jis college of engineering, kalyani, west bengal, india   |
| 53 | Track-3 | ICSEEGT2022<br>_T3_3118 | Corrosion analysis of rcc beam using simplified fem model   | yamuna bhagwat, gopinatha nayak, poornachandra pandit, harithakrishnan, and aishwarya lakshmi  | Mrs. Yamuna bhagwat      | Manipal institute of technology, manipal academy of higher education, manipal, karnataka, india |
| 54 | Track-2 | ICSEEGT2022<br>_T2_2121 | Delay models for signalised intersections with vehicle actuated controlled system in heterogeneous traffic conditions   | borigarla barhmaiah, a chandrasekar, tanala ramya, and s mooses santhakumar4   | Mr. Borigarla barhmaiah  | National institute of technology tiruchirappalli, india   |
| 55 | Track-2 | ICSEEGT2022<br>_T2_2125 | Strength behavior of expansive subgrade soil stabilized with coronus material   | sateesh kumar pisini, and swetha priya darshini thammadi   | Mr. Sateesh kumar pisini | Fiji national university, suva, fiji  |
| 56 | Track-3 | ICSEEGT2022<br>_T3_3127 | Review of open space rules and regulations and identification of specificities for plot-level open spaces to facilitate sustainable development: an indian case | sameer gujar, amit deshमुख, and reshughupta  | Mr. Sameer gujar         | Visvesvaraya national institute of technology   |
| 57 | Track 1 | ICSEEGT2022<br>_T1_1129 | Biofuel production through algae route using solar assisted carbon capture plant  | Meenakshi samartha, ravi kumar singh pippal, and vinod krishna sethi   | Dr. V.k. sethi           | Rkdf university, bhopal, india  |

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|----|---------|---------------------|---|---|------------------------------------|---|
| 58 | Track-2 | ICSEEGT2022_T2_2131 | Role of adr methods in environmental conflicts in the light of sustainable development  | jaffar alkhayer, narinder gupta, and chander mohan gupta  | Mr. Jaffar alkhayer                | Faculty of legal science, shoolini university, solan, himachal pradesh, india |
| 59 | Track-3 | ICSEEGT2022_T3_3133 | Response spectrum analysis of a rc building based on complete quadratic combination (cqc) method                                    | debargha banerjee, debasish das, uddipta ghosh, dina debnath, santanu debnath, snehasish malakar, ratnadwipa das, sanjoy datta, and syed ealham hossain                               | Ms. Dina debnath                   | Jis college of engineerin g, kalyani, west bengal, india                      |
| 60 | Track-3 | ICSEEGT2022_T3_3138 | Nanotechnology and building construction: towards effective stakeholder engagement  | swetha priya darshini thammadi, and sateesh kumar pisini  | Ms. Swetha priya darshini thammadi | Fiji national university, suva, fiji  |
| 61 | Track-1 | ICSEEGT2022_T1_1140 | Clean drinking water solution for rural india: portable sip-up  | meraj ahmad, arti sharma, quadri s. Mujtaba, saurabh yadav, ritwik kulkarni, sandeep gupta, amrita k. Nighojkar, raj kumar satankar, meenu chhabra, ambesh dixit, and anand plappally | Mr. Meraj ahmad                    | Indian institute of technolog y, jodhpur, india                               |
| 62 | Track-2 | ICSEEGT2022_T2_2141 | Towards optimization of horizontal flow constructed wetlands (hfcws) design by employing machine learning on the secondary datasets | saurabh singh, n m kulshreshtha, shubham goyal, u brighu, a n bezbaruah, and a b gupta  | Mr. Saurabh singh                  | Malaviya national institute of technolog y jaipur, india                      |
| 63 | Track-2 | ICSEEGT2022_T2_2142 | Analysis of blended concrete cubes under impact loading using ansys   | janhavi singh, and shilpa pal   | Ms. Janhavi singh                  | Delhi technologi cal university, new delhi, india                             |
| 64 | Track-2 | ICSEEGT2022_T2_2149 | Soil erosion mapping using remote sensing and gis - a case study of rewa river watershed, naitasiri province, fiji                  | swetha priya darshini thammadi, and sateesh kumar pisini  | Ms. Swetha priya darshini thammadi | Fiji national university, suva, fiji  |
| 65 | Track-3 | ICSEEGT2022_T3_3152 | A novel fuzzy direct control of induction motor drive   | bharat gothania, r.k. kumawat, gaurav jain, and annu govind   | Mr. Bharat gothania                | Career point university, kota, india  |
| 66 | Track-1 | ICSEEGT2022_T1_1157 | Gis mapping for distribution of ground water quality in udaipur   | sangeeta choudhary, denis jangeed, prithvi raj rankawat, sweety tank, and nikhil sen  | Dr. Sangeeta choudhary             | Geetanjali institute of technical studies, udaipur, india                     |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

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| 67 | Track-3 | ICSEEGT2022_T3_3159 | Numerical analysis of rcc beam using abaqus  | a.hemamathi, binu sukumar, and r.b. hambrish guru chandrakant   | Ms. A.hemamathi            | R.m.k. engineerin g college, tamil nadu, india   |
| 68 | Track-2 | ICSEEGT2022_T2_2162 | Investigation into the compressive stress on lumber spine among tractor driver during different ride conditions                                      | Chander prakash, lakhwinder pal singh, and ajay gupta   | Mr. Chander prakash        | Dr. B. R. Ambedka r national institute of technolog y jalandhar, punjab, india   |
| 69 | Track-2 | ICSEEGT2022_T2_2163 | Correlation study of physico-chemical parameters and water quality index around kodungaiyur dumping ground   | Aishwarya r., faizuneesa a., hemamathi a., ramshankar p., and yuvraj m.                                       | Mrs. Aishwarya r           | R.m.k. engineerin g college, tamil nadu, india   |
| 70 | Track-2 | ICSEEGT2022_T2_2165 | Geo-statistical analysis of ground water fluctuations for sustainable management of groundwater resources within the chaliyar basin, southwest india | mohd izharuddin ansari, l n thakral, and quamrul hassan   | Mr. Mohd izharuddin ansari | Jamia millia islamia, jamia nagar, okhla, new delhi-110025, india  |
| 71 | Track-2 | ICSEEGT2022_T2_2166 | Environmental impact assessment of maize production in northern india  | Rohit kumar, arvind bhardwaj, lakhwinder pal singh and gurraj singh   | Mr. Rohit kumar            | Departme nt of industrial and productio n engineerin g, dr. B r ambedkar national institute of technolog y, jalandhar, punjab, india-144027nit jalandhar |
| 72 | Track-3 | ICSEEGT2022_T3_3167 | A literature review on mechanical properties of waste pet bottle based fibre   | Devendra kumar somwanshi, vijay prakash sharma, shikha sharma, and kalpit jain                                | Mr. Vijay prakash sharma   | Manipal university jaipur, india   |
| 73 | Track-3 | ICSEEGT2022_T3_3168 | Compressive strength of waste pet bottle based fibre   | Devendra kumar somwanshi, vijay prakash sharma, sikha sharma, kalpit jain                                     | Mr. Vijay prakash sharma   | Manipal university jaipur, india   |
| 74 | Track-1 | ICSEEGT2022_T1_1169 | Experimental and numerical investigation on strength behaviour of geogrid reinforced subgrade soil   | sateesh kumar pisini, swetha priya darshini thammadi, monish nadan, naadirah edward, and shaniza farnaz nisha | Mr. Sateesh kumar pisini   | Fiji national university , suva, fiji  |

  
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| 75 | Track-1 | ICSEEGT2022_T1_1171 | Optimization of renewable energy resource -a review  | vijay prakash sharma, devendra kumar somwanshi, kalpit jain, and raj kumar satankar | Mr. Vijay prakash sharma | Manipal university jaipur, india  |
| 76 | Track-1 | ICSEEGT2022_T1_1172 | A literature review on renewable energy resource and optimization  | Vijay prakash sharma, devendra kumar somwanshi, kalpit jain, and raj kumar satankar | Mr. Vijay prakash sharma | Manipal university jaipur, india  |
| 77 | Track-2 | ICSEEGT2022_T2_2173 | Performance evaluation of water treatment plant of kekri, rajasthan, india   | roop singh sinsinwar, and munna verma   | Mr. Roop singh sinsinwar | Bhagwant university ajmer, rajasthan, india                                       |
| 78 | Track-2 | ICSEEGT2022_T2_2175 | An investigation of sick building syndrome (sbs) affecting health of occupants in western maharashtra, india.          | amol d pawar, anil agarwal, babalu rajput, and sudarshan d kore                     | Dr. Amol d pawar         | National institute of construction management ( nicmar ) pune campus, pune, india |
| 79 | Track-1 | ICSEEGT2022_T1_1177 | The uptake of environmental management system by small and medium enterprises (sme) in india                           | hari prapan sharma, and kishore kumar   | Dr. Hari prapan sharma   | Gla university , mathura, india   |
| 80 | Track-3 | ICSEEGT2022_T3_3178 | Design and development of the divergent wind turbine   | Himanshu rajput, anil gupta, harihar sah, manoj gattani, and raj kumar satankar     | Mr.himanshu rajput       | Poornima college of engineering, jaipur, india                                    |
| 81 | Track-3 | ICSEEGT2022_T3_3179 | Energy efficient buildings in india: key area and challenges   | preeti tarkar   | Dr. Preeti tarkar        | Gla university , mathura, india   |
| 82 | Track-2 | ICSEEGT2022_T2_2180 | Emission performance assessment of in-use diesel-driven cars   | abhinav pandey, rajeev kumar mishra, and govind pandey                              | Mr. Abhinav pandey       | Delhi technological university , new delhi, india                                 |
| 83 | Track-1 | ICSEEGT2022_T1_1183 | Techno-economic assessment of lpg operated porous radiant burner based cook-stoves for commercial cooking applications | sofia rani shaik, p muthukumar, pratul and chandra kalita                           | Ms. Sofia rani shaik     | Indian institute of technology guwahati, india                                    |
| 84 | Track-1 | ICSEEGT2022_T1_1082 | Eco-anxiety and environmental concern as predictors of eco-activism  | nishtha jain , and prashasti jain   | Ms. Nishtha jain         | Manipal university jaipur, india  |
| 86 |         |                     | The need for legislation on renewable energy for sustainable development in india                                      | Aniket bhargava, and khyati kochhar   | Khyati kochhar           | Faculty of law, banasthali vidyapith village, banasthali , rajasthan, india       |

Dr. Mahesh Bundele  
B.E., M.E., Ph.D.

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Poornima College of Engineering  
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## SAMPLE COPY CERTIFICATE



## VALEDICTORY SESSION:



## FEEDBACK ANALYSIS:

2. The organization of the conference was?

|                       |                       |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1                     | 2                     | 3                     | 4                     | 5                     |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

3. Technical Sessions were informative and managed well.

|                       |                       |                       |                       |                       |
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| 1                     | 2                     | 3                     | 4                     | 5                     |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

4. How do you rate Keynote Speaker's talk? \*

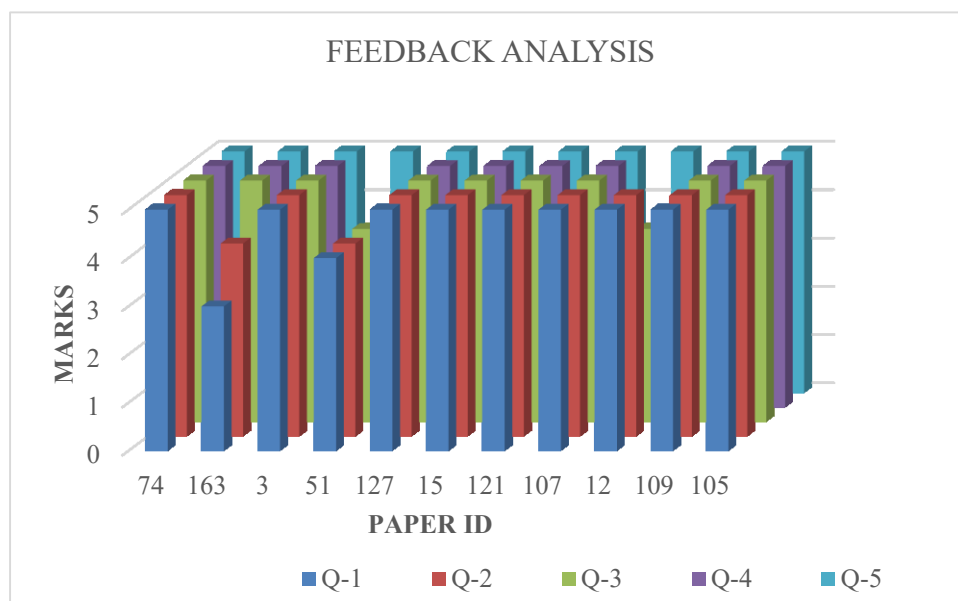
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| 1                     | 2                     | 3                     | 4                     | 5                     |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

5. Knowledge sharing during the conference? \*

|                       |                       |                       |                       |                       |
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| 1                     | 2                     | 3                     | 4                     | 5                     |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

6. Timely Information sharing with participants, and responses from the organizers

|                       |                       |                       |                       |                       |
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| 1                     | 2                     | 3                     | 4                     | 5                     |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |



SWOT ANALYSIS: Nil



**BUDGET & ACTUALS:**

| S. NO. | EXPENDITURE                            | RATE                          | QUANTIT<br>Y | AMOUNT        |
|--------|--|-------------------------------|--------------|---------------|
| 1      | Session Chair Honorarium               |                               |              | 15000         |
| 2      | Best Paper Award                       |                               |              | 10750         |
| 3      | Paper Publication Fee (@<br>80 Dollar) | 6386                          | 83           | 530038        |
| 4      | Souvenir Print                         | 4000                          | 3            | 12000         |
| 5      | Inaugural Expenditure                  |                               |              |               |
| 6      | Other Expenditure                      |                               |              |               |
|        |  | <b>TOTAL<br/>EXPENDITUTRE</b> |              | <b>578538</b> |