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BEST PAPER AWARDS

Awards will be given for the top three papers presented.



The Institution of Engineers (India)
(Bareilly Local Centre)

In Collaboration with

M.J.P.R. University, Bareilly

A “NAAC A++ Accredited” state University: Government of Uttar Pradesh (India)

Organizes

38th National Convention of Production Engineers and National Seminar

on

Green Energy and Bio-inspired Materials/Manufacturing – The way forward
May 02-03, 2024

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The Institution of Engineers (India)
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महात्मा ज्योतिबा फुले
रुहेलखण्ड विश्वविद्यालय, बरेली

The Institution of Engineers (India)

Bareilly Local Centre

Under the Aegis of
Production Engineering
Division Board, IEI

In Collaboration with

M.J.P, Rohilkhand University,
Bareilly

A “NAAC A++ Accredited” state University:
Government of Uttar Pradesh (India)

Organizes

38th National Convention/Conference
of
Production Engineering

on

Green Energy and Bio-inspired
Materials /Manufacturing - The
Way Forward”

2-3 May, 2024

Venue

MBA Auditorium,

M.J.P Rohilkhand University, Bareilly, UP

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IEI was established in 1920, the largest multidisciplinary professional body with a total membership strength of 8.8 million, provides a global platform to disseminate latest technical knowledge in 15 engineering disciplines IEI provides a vast array of technical support through grant-in-aid to its members and UG/PG/PhD students of Engineering Institutes/Universities to conduct research and development activities for Government, Industries, Academia and the Engineering fraternity, from 125 Centers located across the country.

IEI has received recognitions from various apex bodies in India and abroad. This includes Ministry of Science & Technology, Govt. of India, global International Professional Engineers Alliance (Int.PEA). IEI also awards the Professional Engineers (PE) Certification. For details, please visit www.ieindia.org
To meet the above stated objectives, a centre of IEI was established in 2011 at Bareilly. This local centre comprises of 900 corporate members and five Institutional Members including MJP Rohilkhand University, Bareilly of high repute. The Bareilly Local Centre was awarded "Best Local Centre Award" for the year 2020-21 in the 38th National Congress held on 27.12.2023 at Jabalpur, MP.

ABOUT M.J.P. ROHILKHAND UNIVERSITY

Well-proud of enticing and enrolling, in the Art and Science of the Knowledge, more than half-a-million young-brains, Mahatma Jyotiba Phule Rohilkhand University (MJPRU) is one of the major provincial-universities enjoying the dual character of affiliating and campus jurisdictions in the state of Uttar Pradesh. MJP Rohilkhand University, Bareilly established in 1975, under the Act of UP Universities act 1973. The University emerges as a University of State/National importance by first implementing the New Education Policy (NEP-2020) among various (State/Deemed/Private) Universities in U.P. The University is also crowned with NAAC A++ ranking, EDU ranking: 2nd in State University, 9 of 79 in Uttar Pradesh and 82 in of 876 in India. Among various departments of different disciplines, Faculty of Engineering and Technology (FET) a premier technical institution attracts the brightest and the best students of the state. The institute offers B.Tech., B.Pharm., M. Pharm., M.Tech., M.Sc., and PhD programs in various disciplines. The curriculum for various programmes has an emphasis on theoretical knowledge and practice-oriented laboratories. For details, please visit www.mjpru.ac.in

ABOUT THE NATIONAL CONVENTION

The National Convention on 'Green Energy and Bio-inspired Materials/Manufacturing - The Way Forward' is a pivotal gathering aimed at fostering advancements in green energy and sustainable manufacturing practices. This convention serves as a

platform for experts, researchers, industry leaders, and policymakers to deliberate on innovative approaches rooted in nature-inspired methodologies and eco-friendly manufacturing techniques and advancement in green energy technologies. Attendees engage in discussions and presentations focused on harnessing bio-inspired concepts like bio mimicry, green chemistry, and sustainable materials to revolutionize manufacturing processes. Key areas of exploration encompass renewable energy integration, waste reduction, resource efficiency, and the development of biodegradable materials. The convention aims to spur collaboration, share cutting-edge research, and outline strategies that align with environmental conservation and industrial progress. Through this convergence of minds, the convention endeavors to chart a sustainable trajectory for harnessing green energy and bio-inspired manufacturing, promoting responsible practices that harmonize with ecological preservation and economic growth.

SUB-THEMES OF CONFERENCE

1. Nature-Inspired Material Science.
2. Biological Models for Efficiency.
3. Sustainable Nanotechnology.
4. Bio-inspired Robotics and Automation.
5. Bio fabrication and Additive Manufacturing.
6. Nature-Inspired Product Design.
7. Green Supply Chain Management.
8. Sustainable Packaging Solutions.
9. Energy-Efficient Manufacturing Processes.
10. Bio mimetic Sensors and Devices.
11. Urban Bio-inspired Manufacturing.
12. Social Impacts of Sustainable Manufacturing.
13. Regenerative Agriculture and Manufacturing.
14. Nature-Based Solutions for Pollution Control.
15. Global Collaboration for Sustainable Manufacturing.
16. Nanotechnology Applications and Material development for Green Energy.
17. Biomass (Bio fuel, Biogas and Biomass).
18. Modeling, simulation and experimental analysis of green energy systems.
19. Global Challenges in Green Energy
20. New Trends, Technologies & Policies in Green Energy.
21. Application of IoT& AI in Green Energy Systems
22. Energy Management and decision support for Green Energy.

CALL FOR PAPERS

• We invite the synopsis/Abstract of the Paper within 500 words with a maximum of five keywords first and after acceptance of the same, original full text papers are invited from the students, academicians/researchers and industrial experts.

Papers should meet the scope of the conference, unpublished and not under consideration for publication elsewhere.

Selected papers will be welcomed for Oral presentation in the form of PPT's during conference.

Papers should be camera-ready in MS Word format in English, not exceeding 3000 words excluding figures, tables, and appendices.

Conference Proceedings will be published incorporating all Plenary Lectures, and papers accepted for presentation during the technical sessions made available for registered participants.

Selected papers after peer-review will be published in IEID (Scopus Indexed Journals) as per Journal policy.

IMPORTANT DATES

Submission of Abstract	05 April 2024
Intimation of Acceptance of Abstract	09 April 2024
Submission of full-length paper in the prescribed format to ieiblylc@gmail.com	10 April 2024

Submit the Abstract / Full paper to:

<https://>

Full Paper template/Declaration form download
website link

https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers

TRAVEL & ACCOMMODATION

Accommodation charges, travel expenses local hospitality shall be borne by participants themselves.

REGISTRATION FEES

Category	Amount INR (Including 18% GST)
Corporate Members of IEI	1000/-
Non-corporate Member	2000/-
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REGISTRATION FEES

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For Detailed information visit:

Website : www.mjpru.ac.in, <http://blcieindia.in/>