

Five Days National Workshop
on
“Contemporary Techno-economics Advancement in
Waste Mitigation”
(January 9th-13th, 2023)

Sponsored by



सत्यमेव जयते



Science & Engineering Research Board (SERB)
Department of Science & Technology (DST)
Government of India

Organized by



IPS Academy
Institute of Engineering & Science, Indore
(A UGC Autonomous Institute, affiliated to RGPV Bhopal M.P)
Chemical Engineering Department
Indore-452012 (M.P) India

Science and Engineering Research Board (SERB), India



Science & Engineering Research Board (SERB)
Department of Science & Technology (DST)
Government of India

The Science and Engineering Research Board (SERB) is a statutory body established through an Act of Parliament. Supporting basic research in emerging areas of Science & Engineering are the primary and distinctive mandate of the Board. The Board structure, with both financial and administrative powers vested in the Board, would enable quicker decisions on research issues, greatly improving thereby our responsiveness to the genuine needs of the research, scientists and the science & technology system.

IPS Academy, Institute of Engineering & Science



IPS Academy, Institute of Engineering & Science, Indore is one of the leading self-financing NAAC accredited institutions devoted to imparting quality engineering education with the sole motto of “Knowledge, Skill & Values”. Institute established after securing approval of AICTE, New Delhi and Govt. of MP from academic session 1999-2000. Institute of Engineering & Science is a UGC autonomous institute affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal. Institute has ranked four-star rating in IIC in CRO zone and also, ranked 38th among the top 170 engineering college in India as per Times of India survey. It offers UG and PG programs in Chemical, Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Fire Technology & Safety, Agricultural, Computer Science & Engineering, Computer Science and Information Technology, Data Science, Internet of Things, Artificial Intelligence & Machine Learning, Regional Language, CSE IOT, Cyber Security & Block Chain Technology. Furthermore, UG programs have been accredited by National Board of Accreditation, New Delhi. Indore is a commercial capital of M.P. Ministry of Housing and Urban Development has been affirmed cleanest city of India under the aegis of Swachh Bharat survekshan since last six year consecutively. Indore has been selected as one of the 100 Indian cities to be developed as a smart city under the Smart Cities Mission.

Chemical Engineering Department

Department of Chemical Engineering was established in the year 2004 with undergraduate course to provide quality education to the students & expanded with post-graduation course with specialization in Computer Aided Process Design in 2011. Department has established IChE student chapter in 2009 and professional activities like Engrosser, Innovita expert lecture, industrial visit and tour etc. are organized every year under students' chapter. The Department has hosted number of Quality improvement programs, Seminars / Conferences/ Workshops. Our students are placed in many prestigious organizations like BARC, IGCAR, IPR, IOCL, ONGC, BOREL, NFL, BPCL, LUPIN, IPCA, Vedanta, Grasim, Sun Pharmaceutical, Alembic, Reliance etc.

Vision of the Department

To achieve national recognition through quality education, applied research and professional service of our students.

The department aims to develop knowledge sharing center of excellence in quality teaching and to serve as a valuable resource for industry and society.

Mission of the Department

To provide quality engineering education and environment to the students to become value driven professionals, capable of undertaking lifelong learning and provide service to chemicals and associated industries.

To develop infrastructure that promotes research and entrepreneurial culture.

Course Content

- Introduction to Waste Management & Environmental Management System
- Hazardous Waste & Materials Handling
- Your Role in Contamination and Pollution Prevention
- Waste Disposal & Treatment Methods
- Recycling Technology & Circular Economy

Learning Objectives

- Gain Knowledge in sustainable waste & environmental management system.
- Understand different types of waste, their handling, storage, disposal requirements, and their potential effect on the environment.
- Understand and apply the waste management hierarchy for sustainable development.
- Insight on roles of various personals in Contamination and Pollution Prevention.
- Understand modern waste disposal and treatment methods.
- Identification of waste minimization and recycling.
- A better understanding of the environmental impact of waste.
- Identification of the cost-effectiveness of managing waste efficiently.
- Gain insight into new recycling technologies and circular economy.
- Identification of legislation and ensuring compliance with waste regulations.
- Improve systems thinking skills for global and regional waste management sustainability.

Eligibility

- ✓ The workshop is open to Industry persons and Faculty members (regular/ad-hoc/ temporary)/ Research Scholars/ Post Graduate students from any Indian university/ college.
- ✓ All the participants are requested to register online by visiting <https://ies.ipsacademy.org> on or before January 2, 2023 or by browsing the link given in the registration details below.
- ✓ Registration for all the participants is mandatory. For further queries, please mail us at: deepaksharma@ipsacademy.org

Registration link

<https://forms.gle/U1KYi7gaoqqYyhB37>

Registration Process

Participants will fill up the online application form given in the registration link above with all required details and upload the registration form duly signed by the institute authority (refer last page) on or before the final date of submission. Late applications will not be entertained. The final date of submission is January 5, 2023.

Program Schedule

1st Day: 9th January 2023, Monday

Time	Session	Topic	Expert
9:30-10:00		Registration	
10:00-10:30		Inauguration	
10:30-12:30	1	Recycling and Reuse: Alternatives to Waste Management	Dr. Kailas L. Wasewar
12:30-13:30		Lunch Break	
13:30-15:00	2	Waste to Energy Conversion	Dr. Lokendra S. Thakur
15:00-15:30		High Tea	

2nd Day: 10th January 2023, Tuesday

10:30-12:30	3	Solid Waste Management & Governance: Indian Perspectives	Dr. Ashootosh Mandpe
12:30-13:30		Lunch Break	
13:30-15:00	4	Waste Management in 21 st Century	Dr. Himanshu Shukla
15:00-15:30		High Tea	
15:30-17:00	5	The Importance of Waste Management towards Environment	Dr. Deepak Sharma

3rd Day: 11th January 2023, Wednesday

10:30-12:30	6	Recovery of Photocatalytic Material from E-waste	Dr. Alok Tripathi
12:30-13:30		Lunch Break	
13:30-15:00	7	Advance Oxidation Process for Waste Water Treatment	Dr. Ritesh Patidar
15:00-15:30		High Tea	

4th Day: 12th January 2023, Thursday

10:30-12:30	8	Bioremediation	Prof. Alka Vyas
12:30-13:30		Lunch Break	
13:30-15:30	9	Traditional Rural Waste Management Practices	Dr. Harish Vyas

5th Day: 13th January 2023, Friday

10:0-11:30	10	Indore Cleanliness Journey: Janbhagidari	Mr. Gopal Jagtap
11:30-12:00		Valedictory Function & Certificate Distribution	
12:00-13:00		Lunch Break	
13:00-17:00		Visit to Solid Waste management Plant, Devguradia Indore	

Eminent Speakers



Prof. Kailas L. Wasewar
VNIT Nagpur



Dr. Lokendra Singh Thakur
Ujjain Engineering College, Ujjain



Prof. Alka Vyas
Vikram University, Ujjain



Dr. Harish Vyas
Govt Kalidas Girls College, Ujjain



Mr. Gopal Jagtap
Environmental Consultant, Indore



Dr. Himanshu Shukla
Environmental Consultant, Indore



Dr. Alok Tripathi
Indrashil University, Gujarat



Dr. Ritesh Patidar
Rajasthan Technical University, Kota



Dr. Ashootosh Mandpe
IIT Indore

IPS Academy
Institute of Engineering & Science, Indore (M.P)
(A UGC Autonomous Institute, affiliated to RGPV Bhopal M.P)

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Ar. Achal K. Choudhary
President

Patron



Dr. Archana Keerti Chowdhary
Principal

Advisor



Dr. A. G. Kothari



Dr. Rajesh Kumar Kaushal
Head, Chemical Engineering

Convenor



Dr. Deepak Sharma

Co-Convenor



Dr. Kanti Kumar Athankar

Co-Convenor



Prof. Nitesh Parmar

Organizing Committee

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Dr. Shamal Sen

Mr. Vikas Vishwakarma

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Dr. Savita Dubey

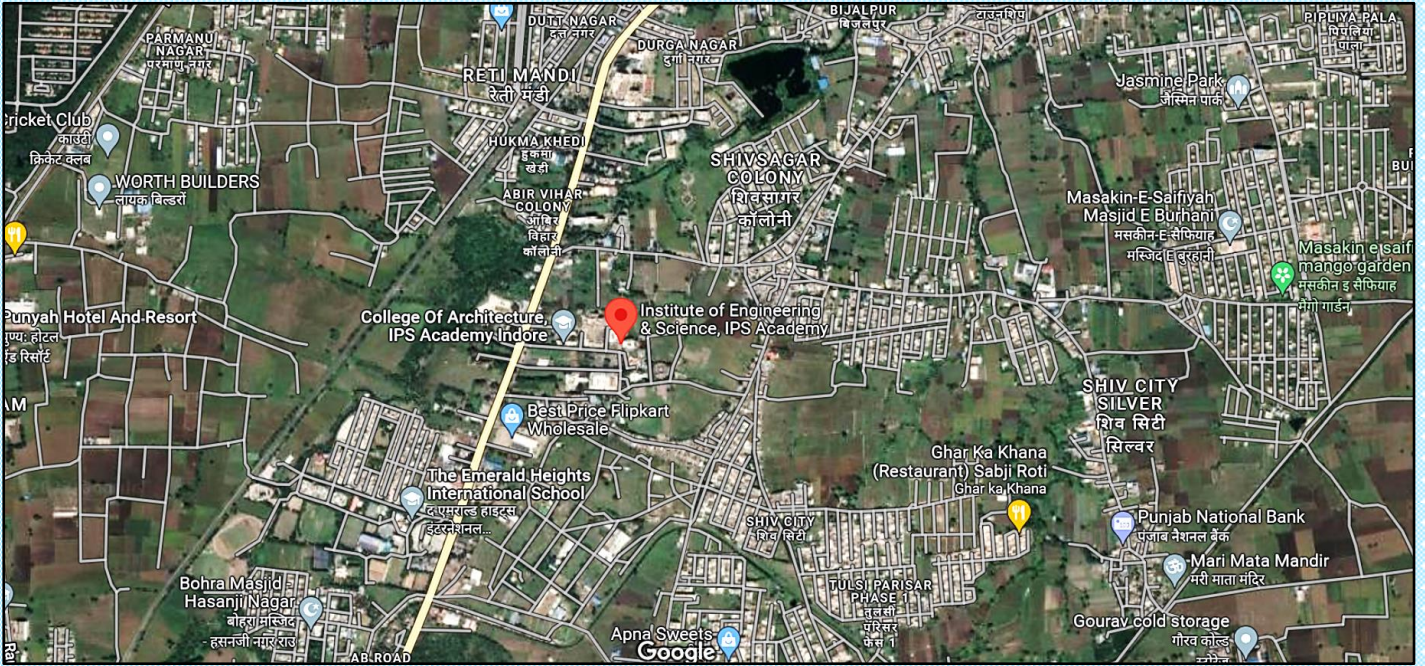
Dr. Smita Karmankar

Dr. Rajnana Ahirwar

Dr. Alka Sharma

Dr. Swati Mehra

Location



Address for Correspondence

IPS Academy

Institute of Engineering & Science, Indore (M.P)

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Chemical Engineering Department

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Hotels Near IPS Academy

Hotel Bee Town (Distance 1.1 km from campus)

Address: AB Road, Near IPS College Rajendra Nagar
Hukma Khedi, Indore, Madhya Pradesh 452014

Hotel Malwa Inn (Distance 2.9 km from campus)

4-5 Adarsh Nagar, AB Rd, Near IPS College, Rajendra Nagar
Indore, Madhya Pradesh 452012

Punyah Hotel & Resort (Distance 4.5 km from campus)

MR44+6FP, CAT Road opposite Treasure Fantasy
Rau, Indore, Madhya Pradesh 453331



**National Workshop
on**

“Contemporary Techno-economics Advancement in Waste Mitigation”

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Registration Form

Name:.....

Designation:.....

Department:.....

Organization/Institute:.....

Address:.....

.....

Highest Qualification:.....

Specialization:.....

Experience in Year: Teaching....., Industry....., Total.....

Phone:.....

Email:.....

Signature & Seal,
Head of the Department

Signature of Participants

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