

**Five Days National Workshop**  
**On**  
**“Save Water Save Life: Recent Trends and**  
**Advancement in Water Management and its**  
**Treatment”**

**(August 21<sup>st</sup>-25<sup>th</sup>, 2023)**

**Sponsored by**



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



**Organized by**

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





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

One of the most notable developments in the S&T sector in the XI Plan has been the setting up of the Science and Engineering Research Board (SERB) through an Act of Parliament, viz. the Science and Engineering Research Board Act, 2008. Promoting basic research in Science and Engineering and to provide financial assistance to persons engaged in such research, academic institutions, research and development laboratories, industrial concerns and other agencies for such research and for matters connected therewith or incidental thereto are the primary and distinctive mandate of the Board.



# IPS Academy

## Institute of Engineering & Science

(A UGC Autonomous Institute, Affiliated to RGPV)



IPS Academy, Institute of Engineering & Science is one of the leading self-financing NAAC accredited institutions devoted to imparting quality engineering education with the sole motto of “Knowledge, Skill & Values”. The Institute got established after securing approval of AICTE, New Delhi and Govt. of M.P. from academic session 1999-2000. The Institute of Engineering & Science is a UGC autonomous institute affiliated to Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal. Institute has ranked four-star rating in IIC in CRO zone, ranked 33<sup>rd</sup> (Times of India survey) among the top 170 engineering colleges in India. It offers UG and PG programs of Chemical, Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Fire Technology & Safety Engineering, Agricultural, and Computer Science & Engineering, CSE (Computer Science and Information Technology, Data Science, Artificial Intelligence & Machine Learning, Regional Language, IOT including Cyber Security & Block Chain Technology). Furthermore, UG programs have been accredited by National Board of Accreditation, New Delhi. Indore is a commercial capital of Madhya Pradesh. The Ministry of Housing and Urban Development under Swachh Bharat Survekshan, has recognized Indore as the cleanest city in India, since last six years consequently, & also identified as one of the 100 Indian cities to be built as smart city under the Government of India Smart Cities Mission.



# Chemical Engineering Department

The Department of Chemical Engineering was established in 2004 to give quality education to students and was expanded in 2011 to include a post-graduate course with a specialization in Computer Aided Process Design. The department established the IChE students' chapter in 2008, and academic activities like Engrosser (National level Technical Paper writing competition), TechFest-Innovita, expert lecture, industrial visit and tour, are organized each year. The department also organizes various quality improvement programmes, seminars, conferences, and workshops for students' academic improvement and thereby enhancing their professional skills. The students are placed in high ranking jobs which are offered from organizations like BARC, IGCAR, IPR, IOCL, ONGC, BORL, 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.



## Themes for the workshop

- ❖ Scarcity of water and resource management
- ❖ Sanitation and drinking water
- ❖ Waste water mitigation
- ❖ Treatment of industrial waste water
- ❖ Management of waste water
- ❖ Water reclamation and Re-uses

## Learning Objectives

- ❖ Water supply and water management
- ❖ Effluent treatment
- ❖ Innovative technology for water management
- ❖ Storm water, green infrastructure, and wet weather management
- ❖ Residuals and bio-solids
- ❖ Other relevant current issues

## 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> 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: [drsmitakarmankar@ipsacademy.org](mailto:drsmitakarmankar@ipsacademy.org)



### Registration link

<https://forms.gle/HDBDDJCHUMPBqVg2A>

### Registration Process: No registration charges

Participants will fill up the online application form given in the registration link above with all required details or upload the registration form duly signed by the institute authority (refer last page).



## Programme Schedule

### 1<sup>st</sup>Day: 21 August 2023, Monday

Time	Session	Topic	Expert's Name
9:30-10:00	Registration		
10:00-10:30	Inaugural Ceremony		
11:00-12:30	1	Environment Waste Management	Dr. Suneel Kumar
1:00-2:00	Lunch Break		
2:00-15:30	2	Effluent Treatment	Dr. Rajeev Dixit
15:30-16:00	High Tea		

### 2<sup>nd</sup>Day: 22 August 2023, Tuesday

11:00-12:30	3	Integrated Water Resource Management	Dr. Archana Keerti Chowdhary
1:00-2:00	Lunch Break		
2:00-15:30	4	Advanced Oxidation Processes for Waste Water Treatment and Recycling	Dr. Shankar Chakma
15:30-16:00	High Tea		

### 3<sup>rd</sup>Day: 23 August 2023, Wednesday

11:00-12:30	5	Water Supply and Water Management	Dr. Ashootosh Mandpe
1:00-2:00	Lunch Break		
2:00-15:30	6	Treatment of Industrial Waste Water	Dr. Rajesh Kumar Kaushal
15:30-16:00	High Tea		

### 4<sup>th</sup>Day: 24 August 2023, Thursday

11:00-12:30	7	Application of Ionic Liquid for Waste Water Treatment	Dr. Kanti Kumar Athankar
1:00-2:00	Lunch Break		
2:00-15:30	8	Sustainable Water Management Practices and Challenges	Dr. Vandana Saksena
15:30-16:00	High Tea		

### 5<sup>th</sup>Day: 25 August 2023, Friday

10:00-11:00	9	Water Pollution Challenges, Innovation and Opportunities : A Case Study of Indore	Dr. D. K Waghela
11:00-12:00	10	Climatic and Anthropogenic Influences on Water Quantity and Quality	Dr. Priyank J. Sharma
12:00-13:00	11	Valedictory Function, Certificate Distribution, and Pledge by the organizer and participants to save water	
13:00-14:00	Lunch Break		
14:00-17:00	Waste Water Treatment Plant Visit		



## Eminent Speakers



Dr. Archana Keerti Chowdhary  
IPS Academy, Institute of Engineering & Science  
Indore (M.P.)



Dr. Rajeev Dixit  
Devi Ahilya Vishwavidhyalaya  
Indore (M.P.)



Dr. Priyank J Sharma  
Indian Institute of Technology,  
Indore (M.P.)



Dr. Sankar Chakma  
Indian Institute of Science & Engineering  
Research,  
Bhopal (M.P.)



Dr. Ashootosh Mandpe  
Indian Institute of Technology,  
Indore (M.P.)



Dr. Suneel Kumar  
CSIR-National Environmental Engineering  
Research Institute,  
Nagpur (MH)



Dr. D. K. Waghela  
Central Pollution Control Board,  
Indore (M.P.)



Dr. Rajesh Kumar Kaushal  
IPS Academy, Institute of Eng. & Sci.,  
Indore (M.P.)



Dr. Vandana Saksena  
Eco Partavaran Engineering & Consultancy  
Indore (M.P.)



Dr. Kanti Kumar Athankar  
IPS Academy, Institute of Eng. & Sci.,  
Indore (M.P.)



# IPS Academy

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Chief-Patron

Ar. Achal K. Choudhary  
President



Patron

Dr. Archana Keerti Chowdhary  
Principal



Advisor

Dr. A. G. Kothari



Dean Admin  
&

Head, Department of Chemical  
Engineering

Dr. Rajesh Kumar Kaushal



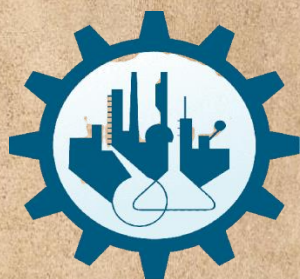
Convener

Dr. Ranjana Choudhary Ahirwar



Co-Convener

Dr. Smita Karmankar



**Organizing Committee**

Dr. Abhinesh Kumar Prajapati

Dr. Kanti Kumar Athankar

Dr. Deepak Sharma

Dr. Shamal Sen

Dr. Chhaya Rekhate

Dr. Savita Dubey

Dr. Swati Mehra

Dr. Alka Sharma

Mr. Nitesh Parmar

Mr. Vikas Vishwakarma

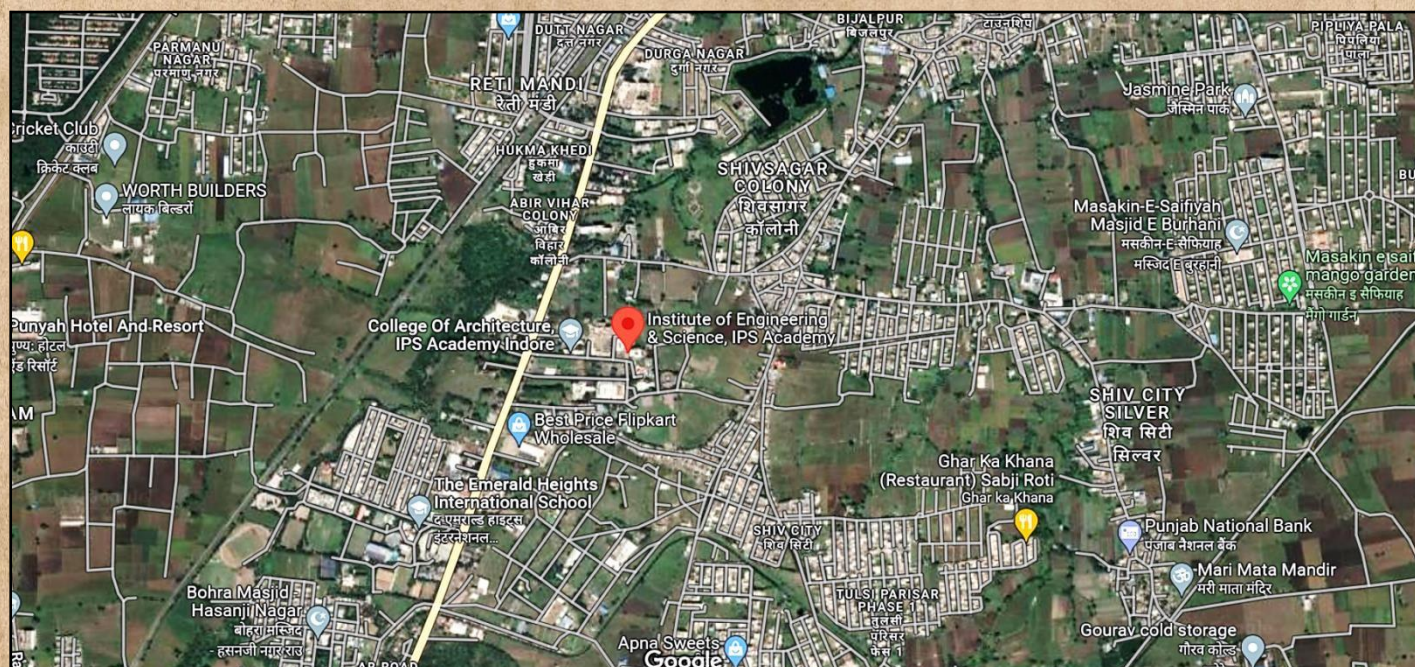
Mr. YadunandanDeshmukh

Mr. Jitendra Patidar





# Location



## Address for Correspondence

### IPS Academy

### Institute of Engineering & Science

(A UGC Autonomous Institute, Affiliated to RGPV)

### Chemical Engineering Department

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+91-9893181640

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Website: [www.ies.ipsacademy.org](http://www.ies.ipsacademy.org)

## Hotels near IPS Academy

**Hotel Bee Town** (Distance 1.1 km from campus)

Address: AB Road, Near IPS Academy College Rajendra Nagar Hukma Khedi, Indore, (M.P.) 452014

**Hotel Malwa Inn** (Distance 2.9 km from campus)

4-5 Adarsh Nagar, AB Rd, Near IPS College, Rajendra Nagar Indore, (M.P.) 452012

**Punyah Hotel & Resort** (Distance 4.5 km from campus)

MR44+6FP, CAT Road opposite Treasure Fantasy Rau, Indore, (M.P.) 453331.





**National Workshop  
On**

**“Save Water Save Life: Recent Trends and Advancement in Water  
Management and its Treatment”**

**August 21<sup>st</sup>- 25<sup>th</sup>, 2023**

**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

***“Save Water Today, Secure your Tomorrow”***

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