



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

Phone: 0422-2635600**Web:** kpriet.ac.in**Social:** kpriet.ac.in/social**CH006****NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**ALL INDIA SEMINAR ON WASTEWATER TREATMENT SYSTEMS: WATER EFFICIENT TECHNOLOGIES AND OPPORTUNITIES**

Event No	CH006
Organizing Department	Chemical Engineering
Associate Dept. NSC	Institution of Engineers (India)
Date	22/12/2022 to 23/12/2022 (2 Days)
Time	09:00 AM to 04:00 PM
Event Type	Seminar
Event Level	National
Venue	Veena Hall
Total Participants	162
Industry Personnel	5
Faculty - Internal	7
Faculty - External	15
Students - Internal	120
Students - External	5
Other Participants	10

Related SDG**Involved Staffs**

Sl	Name	Role
1	Priya A K	Convenor
2	Bharani S	Coordinator

Outcome

At end of the seminar participants will be able to 1. Understand the innovative and emerging wastewater treatment technologies 2. Know about latest cutting-edge eco-technologies for a sustainable transition in wastewater treatment, reuse, and resource recovery, at the urban and industrial scale

Event Summary**Day-1 (22/12/2022)**

The registration commenced at 9.00 am and went on till 9:30 am at Chemical Engineering Department, KPRIET. The Inaugural function started at 9:30 am and Dr.S Shanmugam, Chairman, IE(I) presented the welcome address and briefed upon the activities of IE(I) in promoting Science and Technology. Dr. M.Akila, Principal, KPRIET gave the felicitation address to the gathering highlighting the importance of this seminar. Dr.S. Balasubramanian, Professor and Head, Department of Chemical Engineering, KPRIET presented an overview of the Two day All India Seminar. Mr. Thaj Mohammed Khaleel, Proprietor Khaleel Tanning Company, Erode delivered the chief guest address elaborating the significance of wastewater treatment and management. The proceeding was released in the form of CD by the dignitaries. Lt Dr A K Priya, Professor, Department of Chemical Engineering, KPRIET briefed about chief guest and Ms Bharani, Assistant Professor, proposed the vote of thanks.

The first Technical session started at 10:00 am was on "Handling of wastewater and sludge" by Mr. Thaj Mohammed Khaleel, Proprietor, Khaleel Tanning Company, Erode. The speaker shared his experiences in developing a company and challenges faced in developing a wastewater treatment and implementation in his own company.

The second key note session commenced at 11:15 pm delivered by Dr. Soundarapandiyan Kamaraj, Ret. Professor, TNAU & Director, Non Conversational Energy and Rural Development Society, Coimbatore shared his expertise on 'Biogas and waste management'. He briefed

about the installation of biogas plant in house and public communities. How to minimize waste and convert into useful energy source. He also gave insights to students about how to start business using waste.

The Third key note session commenced at 02:00 pm delivered by Mr. K. Murugesan, Assistant Professor (Sr. Gr), Department of Chemical Engineering, KPRIET shared his views on 'PHARMACEUTICAL WASTEWATER TREATMENT USING PHOTOCATALYSIS'. He presented about the recent technologies in wastewater treatment in pharma company and he discussed about the photocatalysis and its role in wastewater treatment.

This was followed by paper presentation – Technical Session IV where 5 papers were presented.

Day-2 (23/12/2022)

The technical session V on "Zero waste Management" commenced at 09.30 AM delivered by Lt Dr A K Priya, Professor, Department of Chemical Engineering, KPRIET, Coimbatore. The speaker elaborated on what is zero waste and how to follow zero waste management in home and industries.

This was followed by paper presentation – Technical Session VI where 5 papers were presented as parallel session.

The technical session VII on "Membrane Technology" commenced at 11.00 AM delivered by Dr R Umapriya, Assistant Professor (SI.G), Department of Chemical Engineering, KPR institute of Engineering and Technology, Coimbatore. The speaker elaborated on the development of advancements in water treatment and Management and its development.

The technical session VIII on "Advances in Water Treatment" commenced at 02.00 PM delivered by Dr. Illangovan Rajan, Former Special Chief Engineer, PWD Former Vice Chairman Tamilnadu Water Resources Development Cell, PWD, WRD, Chennai. The speaker elaborated on the development of advancements in water treatment, various new initiatives government made for public and cost effective technologies for waste management.

The valedictory session began by 03:15 pm and the certificates were presented to the participants by Dr. S. Balasubramanian, Professor & Head, Department of Chemical Engineering, KPR institute of Engineering and Technology, Coimbatore. Feedback from the participants was obtained. The Seminar came to an end by 04.00pm.

ABOUT THE INSTITUTION OF ENGINEERS The Institution of Engineers (India) is the largest multidisciplinary professional body in India. It is a statutory body established by an Act of Parliament of India in 1947. It is a non-profit making organization and its primary objective is to promote the advancement of engineering and technology in India. It is a member of the International Federation of Engineering Organizations (IFEO).	ABOUT THE IND-CLE The Centre was created in the year of 2002 under the Chairmanship of Dr. C. B. Sundarajan, an eminent, the former Vice-Chancellor of Anna University, Chennai and the former Vice-Chancellor of Anna University, Coimbatore. The Centre is a joint venture of Anna University, Coimbatore and Anna University, Chennai. The Centre is a non-profit making organization and its primary objective is to promote the advancement of engineering and technology in India. It is a member of the International Federation of Engineering Organizations (IFEO).	THEME OF THE SEMINAR The seminar will focus on wastewater treatment and management, which is a global issue of our generation and the Institution of Engineers (India) is a global organization. The seminar will provide a platform for the exchange of ideas and experiences among the participants. The seminar will be held in a hybrid mode, i.e., online and offline. The seminar will be held in a hybrid mode, i.e., online and offline.	All India Seminar "Wastewater Treatment Systems: Water Efficient Technologies and Opportunities" 23.12.2022 to 24.12.2022 Organized by The Institution of Engineers (India) Coimbatore Local Centre Under the aegis of Coimbatore Engineering Education Board (CEEB) in association with KPRIET Department of Chemical Engineering KPR Institute of Engineering and Technology Arunachal, Coimbatore - 441 007 Venue: Venue Hall, KPRIET
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