



K. K. Wagh Institute of Engineering Education and Research, Nashik
Department of Chemical Engineering
under the aegis of the Indian Institute of Chemical Engineers (IChE)



IChE Student Chapter Activities, KKWIEER, Nashik

IChE Chapter details:

- IChE Chapter is established by the department.
- Approval has been received from IChE Head Quarter, Kolkata. (*Approval Letter No. Ref: AG / C-2 /2020 / 375 Dated 08th November 2021*)
- Prof. P. P. Joshi is nominated as coordinator of the chapter.
- Various activities conducted through IChE student Chapter:
 - Lecture Series by Experts from Reputed IITs, NITs, Central Universities and Industrial Experts etc.
 - Chem Fests (Technical Quizzes, Poster and Paper Presentations etc.)
 - Students Interactions with Industrial Experts.
 - Online Start-up Training Program: An Internship (at IChE)

Details of activities conducted through IChE student Chapter:

| Sr. No. | Date | Activity Title | Resource Person with address | No. of Participants attended |
|----------------|-------------|--|--|-------------------------------------|
| 1. | 27/07/2022 | Guidance of Abroad Education | Mr. Manya Group, Chennai | 80 |
| 2. | 30/07/2022 | Alumni Interaction | Mr. Sham Tade, Process Engineer, Technoforce India Pvt. Ltd., Nashik | 50 |
| 3. | 17/08/2022 | Cost-effective and Eco-friendly ceramic membranes for wastewater treatment | Prof. Dr. K. Suresh, Assistant Professor MANIT, Bhopal | 50 |
| 4. | 27/08/2022 | Career Opportunities in Chemical Engineering | Mr. Ganesh Sapariya, Process Engineer, Emerson Export Engineering Centre, Nashik | 70 |
| 5. | 30/08/2022 | Process & Process control (IA- Intelligent Automation) | Mr. C. R. Mohikar, Petro-Project Consultant, Nashik | 50 |
| 6. | 01/09/2022 | Couselling Session | Dr. Pratibha Chandak, Counsellor, K. K. | 80 |



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| | | on Career Opportunitie | Wagh Institute of Engineering Education and Research, Nashik | |
|-----|------------|---|---|----|
| 7. | 03/09/2022 | Piping Design - Layout Design and scope of piping | Parag Palve, Piping Department Head, Praj Industries Ltd., Pune | 50 |
| 8. | 17/09/2022 | Enterprenership | Mr.Amol Kashid, Founder &CEO, ABK Wealth Management Services, Nashik | 80 |
| 9. | 7/10/2022 | Career Opportunities in Chemical Engineering | Sachin Holkar (Alumni- 2009) | 50 |
| 10. | 19/10/2022 | Recent Trends in Packed Tower Design | Dr. V. G. Pangarkar, Rtd. Professor and Head, Institute of Chemical TEchnology, Mumbai | 80 |
| 11. | 04/11/2022 | Utilization of Propylene: Hydroformylation-Oxo Synthesis. | Dr. V. V. Mahajani, Rtd. Professor, Chemical Engineering Department, ICT, Matunga, Mumbai, Maharashtra, India | 70 |
| 12. | 1/12/2022 | Role of Counsellor in Academic Performance. | Dr. Pratibha Chandak, Counsellor, K. K. Wagh Institute of Engineering Education and Research, Nashik | 66 |
| 13. | 13/12/2022 | The Water Conundrum | Dr. V. G. Pangarkar, Rtd. Professor and Head, Institute of Chemical TEchnology, Mumbai | 80 |
| 14. | 05/01/23 | Entrepreneurship | Mr. Somesh Bandichhod, Assistant Business Development Manager, WINZER PVT ITD | 15 |
| 15. | 01/02/23 | How to Prepare Gate? | Dr Chandra Sekhar, Professor Dept.Chemcial Engg. Pondicerry Engg. College | 50 |
| 16. | 11/02/23 | Abroad Education | Manya Group, Chennai | 60 |
| 17. | 15/02/23 | Energy Conservation and audit | Mr Pramod N Daspute, B.E.E Certified Energy Auditor & PCRA | 56 |
| 18. | 10/03/23 | Environment Sustainable & | Mr. C. R. Mohikar, Petro-Project | 50 |



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| | | | | |
|-----|----------|--|---|-----|
| | | Inclusive Development | Consultant, Nashik | |
| 19. | 11/03/23 | utilization of CO ₂ for fuel generation: problems & Prospects | Dr. Leela Manohar, Assistant Professor, NIT Srinagar | 60 |
| 20. | 18/03/23 | Process engineering & overview of simulation softwares | chemklub, India | 50 |
| 21. | 28/04/23 | ChemFest-Under the aegis of IICHE Student Chapter National Level Technical Symposium (Paper, Poster & Project Exhibition) | | 160 |
| 22. | 27/05/23 | Environmental Awareness of Chemical Industries | Prof. Dr. A. Ashok Kumar, Associate Professor, MPIST, Thanjavur | 65 |



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Detailed Information of IChE Lecture Series

Topic Name: Cost-effective & Eco-friendly ceramic membranes for wastewater treatment.

Expert Details: Dr. Kanchapogu Suresh, Assistant Professor, Department of Chemical Engineering, MANIT Bhopal, INDIA



IChE Lecture Series
Expert Talk on

Cost-effective & Eco-friendly ceramic membranes for wastewater treatment



Dr. Kanchapogu Suresh
Assistant Professor
Department of Chemical Engineering
MANIT Bhopal, INDIA



Google Meet joining info:
Video call link: <https://meet.google.com/mdm-ijsy-psx>
Or dial: (US) +1 917-310-3928 PIN: 991 419 157#

Date and Time: 17.08.2022 & 03.30 PM onwards...
Organized by
Department of Chemical Engineering
K.K. Wagh Institute of Engineering Education and Research, Nashik-Maharashtra-422003



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Pictures during IIChE Lecture Series

4:47 PM 4G+ 20

Expert Lecure b...

Application of Ceramic Membrane in Wastewater Treatment

Oil-in-water emulsion (200 ppm)
Rejection (99.8%)
Permeate flux $41.5 \times 10^{-6} \text{ (m}^3/\text{m}^2 \cdot \text{s)}$

cross flow set up for permeation test

Suresh is presenting

Sur...
Dry...
Piyu...
You
Amit
11 others



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Detailed Information of IChE Lecture Series

Topic Name: Career Opportunities in Chemical Engineering.

Expert Details: Mr. Ganesh Sapariya, Process Engineer, Emerson Export Engineering Centre, Nashik

Pictures during IChE Lecture Series





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Detailed Information of IChE Lecture Series

Topic Name: Process & Process control (IA- Intelligent Automation).

Expert Details: Mr. C. R. Mohikar, Petro-Project Consultant, Nashik

Pictures during IChE Lecture Series





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Detailed Information of IChE Lecture Series

Topic Name: Piping Design -Layout Design and scope of piping.

Expert Details: Parag Palve, Piping Department Head, Praj Industries Ltd., Pune

Pictures during IChE Lecture Series





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Detailed Information of IIChE Lecture Series

Topic Name: Guidance of Abroad Education.

Expert Details: Mr. Manya Group, Chennai, Tamilnadu.

Pictures during IIChE Lecture Series





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Detailed Information of IChE Lecture Series

Topic Name: Counseling Session on Career Opportunities.

Expert Details: Dr. Pratibha Chandak, Counsellor, K. K. Wagh Institute of Engineering Education and Research, Nashik.

Pictures during IChE Lecture Series





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Detailed Information of IChE Lecture Series

Topic Name: Alumni Interaction towards Career Guidance.

Expert Details: Mr. Sham Tade, Process Engineer, Technoforce India Pvt. Ltd., Nashik

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Detailed Information of IChE Lecture Series

Topic Name: How to prepare Gate Examination.

Expert Details: Dr. Chandrasekhar Garlapati, Professor, Department of Chemical Engineering, Pondicherry Engineering College, Pondicherry, India



IChE Lecture Series
Expert Talk on
How to Prepare for GATE?



DR. CHANDRASEKHAR GARLAPATI,
Professor,
Department of Chemical Engineering,
Pondicherry Engineering College,
Pondicherry, India

Google Meeting details are following:
<https://meet.google.com/qpg-bjiw-xbv>

Date and Time: 01.02.2023 & 10.30 AM onwards...
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K.K. Wagh Institute of Engineering Education and
Research, Nashik-Maharashtra-422003





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Detailed Information of IIChE Lecture Series

Topic Name: Utilization of carbon dioxide for fuel generation: Problems and Prospects.

Expert Details: Dr. A. Leela Manoha, Assistant Professor, Department of Chemical Engineering
NIT Srinagar, Jammu and Kashmir, India



IIChE Lecture Series
Expert Talk on

Utilization of carbon dioxide for fuel generation: Problems and Prospects
Dr. A. Leela Manoha
Assistant Professor
Department of Chemical Engineering
NIT Srinagar, Jammu and Kashmir, India

Zoom Meeting details are following:
<https://zoom.us/j/91489835881?pwd=dGh5SC9PQzNUYmFoZjRZMitQMFF1Zz09>
Meeting ID: 914 8983 5881 & Passcode: 706013

Date and Time: 11.03.2023 & 10.30 AM onwards...
Organized by
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K.K. Wagh Institute of Engineering Education and
Research, Nashik-Maharashtra-422003



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Detailed Information of IChE Lecture Series

Topic Name: Environment Sustainable & Inclusive Development.

Expert Details: Mr. C. R. Mohikar, Petro-Project Consultant, Nashik.

Pictures during IChE Lecture Series





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Detailed Information of IChE Lecture Series

Topic Name: Environmental Awareness on Chemical Industries.

Expert Details: Dr.A.Ashokkumar, Associate Professor, Department of Biotechnology, Periyar Maniammai Institute of Science and Technology, Deemed to be University, Vallam - Thanjavur 613403.

The poster features a blue and yellow geometric border. At the top left are the logos of IChE and ACES. The central text identifies the host institution as K. K. Wagh Institute of Engineering Education and Research, Nashik, Department of Chemical Engineering, under the aegis of the Indian Institute of Chemical Engineers. A gold ribbon banner reads "Expert Talk on". Below this, the topic "Environmental Awareness on Chemical Industries" is written in blue. The speaker's name, "Dr A Ashok Kumar, Associate Professor", is in red, followed by his affiliation: "Department of Biotechnology, Director of VMCQLER, PMIST, Tanjavur Tamilnadu". A small portrait of Dr. Ashok Kumar is on the left. The Zoom meeting details are provided: "Join Zoom Meeting https://zoom.us/j/95452906572?pwd=ThVcktRNWZZcDJ4RVVTUEQ5ZkIxUT09 Meeting ID: 954 5290 6572 Passcode: 350371". The date and time are "Date 27/05/23 and Time 11AM onwards".

  **K. K. Wagh Institute of Engineering Education and Research, Nashik** 

Department of Chemical Engineering
under aegis of Indian Institute of Chemical Engineers

Expert Talk on

Environmental Awareness on Chemical Industries

Dr A Ashok Kumar, Associate Professor
Department of Biotechnology,
Director of VMCQLER
PMIST, Tanjavur Tamilnadu



Join Zoom Meeting
<https://zoom.us/j/95452906572?pwd=ThVcktRNWZZcDJ4RVVTUEQ5ZkIxUT09>
Meeting ID: 954 5290 6572
Passcode: 350371

Date 27/05/23 and Time 11AM onwards



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Pictures during IIChE Lecture Series

KKWagh Nashik_Expert Talk.pdf

Mute Stop Video Security Participants Chat New Share Pause Share Annotate Remote Control Apps More

You are screen sharing Stop Share

Prof. Prashant Kumar entered the waiting room Admit View

PERIYAR MANIAMMAI INSTITUTE OF SCIENCE & TECHNOLOGY

(V) Study on Anaerobic Treatment of High TDS

CHARACTERIZATION OF THE PLANT EFFLUENT

| S.NO | PARAMETERS | RESULTS |
|------|-----------------|--------------|
| 1. | TOTAL SOLIDS | 30.09% |
| 2. | VOLATILE SOLIDS | 99.93% OF TS |
| 3. | ORGANIC CARBON | 58.33% |
| 4. | PH | 4.63 |
| 5. | ALKALINITY | 8.33mg/l |

Dr. A Ashokkumar, Director VMQOLER...

Piyush Joshi

Dr Yennam Raje...

Div I (20) Aditi...

Activate Windows

Biotechnology on Chemical Engineering

Biotechnology
A technology that uses biological systems or living organisms to create or modify products for a particular purpose.

ENGINEERING
MECHANICAL ELECTRICAL CHEMICAL CIVIL

- Organism selection**
High throughput screening and selection of the host organism based on desired properties.
- Organism development**
Construction of metabolic pathways to product by introducing optimal (heterologous) enzymes.
- Process development**
Testing and optimizing productivity, yield and titre by the organism in bioreactor conditions.
- Scale-up and piloting**
Piloting at 1200 L. Down-stream processing for purification. Feasibility evaluation.

Dr. A Ashokkumar, Director VMQOLER...

Piyush Joshi

Dr Yennam Raje...

Div I (20) Aditi...

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CHEMFEST 2022-23 (HYBRID MODE)

Paper, Poster & Project Exhibition Presentation

Date of Event 28th April, 2023

Faculty Coordinator: Dr. Yennam Rajesh

Faculty Co- coordinator: Prof. Piyush Joshi

A National Level Technical Symposium

The Department of Chemical Engineering organized a one day National Level Technical Symposium, **CHEMFEST 2K23**, on **28th April, 2023**.

The Symposium contains various Technical competitions like Paper Presentation, Model Exhibition and Poster Presentation.

The Symposium was inaugurated by Chief Guest n Dr. V. G. Pangarkar, Retired Professor and Head, Chemical Engineering Department, Institute of Chemical Technology, Matunga, Mumbai who's having expertise from academia as well as industry. Dr. Pangarkar shared their insights into the emerging trends in chemical engineering and emphasized the importance of interdisciplinary collaboration. Dr. V. G. Pangarkar, Dr. V. S. Mane, Head, Chemical Engg. Dept., Judges: Mr. C. R. Mohikar, Prof. Dr. S. S. Rikame, Prof. Yojna Kumawat and all faculty of Chemical Engineering Department were present for the Inaugural function. Prof. Dr. Yennam Rajesh, Coordinator of Chemfest-2K23, proposed a vote of thanks for the inaugural function. The total registrations for various events in ChemFest2k23 were around 220.

Mr. C. R. Mohikar, Prof. Dr. S. S. Rikame, Prof. Yojna Kumawat and respective staff heads evaluated the Papers, Posters, and Models of participants for Technical Events.

Mr. B. Sitharaman, Director, BSR Technologies, Nashik grace the valedictory function by their auspicious presence as Chief Guest. He guided students about the benefits and takeaways from the events like 'Chemfest-2K23'. The Certificates and prizes to the participants were given at the hands of Mr. B. Sitharaman, Mr. C. R. Mohikar, Dr. V. S. Mane etc. Prof. Piyush P. Joshi has proposed a vote of thanks for the valedictory function.



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Boucher of Chem Fest-2023

K. K. Wagh Institute of Engineering Education & Research, Nashik
Department of Chemical Engineering
National Level Symposium

ChemFest 2K23
On 28th April 2023

Technical Event

- Paper Presentation
- Inno Model Exhibition
- Poster Presentation

Chief Patron
Hon. Shri. Sameer B. Wagh
Chairman, K.K. Wagh Education Society,
Nashik

Principal
Dr. K. N. Nandurkar
KKWIEER, Nashik

Convener: Dr. V. S. Mane
Head, Dept. of Chemical Engg.

Coordinator: Dr. Yennam Rajesh
Asst. Professor

General Secretary
Miss. Deesha Chawada & Mr. Jai Shah


Registration & Queries
Miss. Shraddha Mob: 8857803200 & Miss. Himani Mob: 9322185817



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Sample Participation Certificate of Chem Fest-2023

  **K. K. Wagh Institute of Engineering Education and Research, Nashik** 

Department of Chemical Engineering
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Certificate

This is to certify that Shirisha Jatothu has secured **3rd position** in Paper Presentation Competition in *ChemFest 2023* on the topic Co-MOF embedded CNFs materials for supercapacitors: Synthesis and Characterization held on 28/04/2023 organised by Association of Chemical Engineers Students (ACES) at K.K.W.I.E.E.R, Nashik, Maharashtra, India


Dr. K. N. Nandurkar
Principal


Dr. V. S. Mane
Head of Department


Dr. Yennam Rajesh
ACES Co-ordinator

Appreciation Certificate of Chem Fest-2023

  **K. K. Wagh Institute of Engineering Education and Research, Nashik** 

Department of Chemical Engineering
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Certificate

This is to certify that Sahil Shabbir Inamdar has secured **2nd position** in Paper Presentation Competition in *ChemFest 2023* on the topic Production of Nano-Fertilizer using Organic held on 28/04/2023 organised by Association of Chemical Engineers Students (ACES) at K.K.W.I.E.E.R, Nashik, Maharashtra, India


Dr. K. N. Nandurkar
Principal


Dr. V. S. Mane
Head of Department


Dr. Yennam Rajesh
ACES Co-ordinator



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Pictures during Chem Fest-2023





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Pictures during Chem Fest-2023



Dr V. S. Mane
HoD Chemical Engg.
K. K. Wagh IEER Nashik