



Prof. Varsha Sanjaykumar Ashtekar

Assistant Professor, Department of Chemical Engineering



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OVERVIEW:

Qualification : ME (Chemical))
Experience : Teaching - 24 years Industrial – 5.5 years
Date of Joining STES: 27/06/2000
Skills and Proficiencies: CACHE-I and II, C

SIGNIFICANT ACHIEVEMENTS:

1. Reviewer for NCPC – 2024 organised by Department of Electronics and Telecommunication, SCOE, Pune held on 5th April 2024.
2. Published paper in Material Today: Proceedings on the topic “Removal of lead and copper from wastewater using Bael fruit shell as an adsorbent.
3. Presented a paper in the NCPC 2020, International Conference organised by SCOE, Pune held from 13th – 14th Feb. 2020
4. Published 7 papers in International Journals and conferences
5. Recommended more than 5 students doing MS in US
6. Worked as Chairman for the subjects Process Dynamics and Control, Food Technology, Energy Conservation and Recycle and Chemical Engineering Mathematics for various examination held under SPPU, Pune.
7. Organised More than 5 Faculty development programs and workshops

AREA OF EXPERTISE /RESEARCH INTERESTS:

- Coagulation and flocculation, Dye Wastewater treatment, adsorption , Process Control, Computer aided Chemical Engineering, Numerical methods for Engineers.

NUMBER OF STUDENTS GUIDED:

- PG – 03 , UG – 40+ Groups

RESEARCH PULICATIONS:

Publication Summary:

Scopus/ SCI : 01
International Journal: 05
Conference : 02

<https://scholar.google.com/citations?user=KSRBgxkAAAAJ&hl=en>

FUNDED RESEARCH PROJECT:

- Received funding from SPPU Pune for the project titled “Effluent Treatment using Reverse Osmosis Module” of amount 2,00,000/- for 2 Yrs.

RESEARCH WORK:

- Studies in treatment of dye wastewater using Coagulation and flocculation .
Under the guidance of Dr.V.M.Bhandari,Scientist, NCL, Pune

NOTABLE GUIDED PROJECTS:**PG projects:**

- Removal of Lead and Copper from wastewater using Bael fruit shell as an adsorbent.

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- Reviewer for NCPC – 2024 organised by Department of Electronics and Telecommunication, SCOE, Pune.

SUBJECTS TAUGHT:

- Process Dynamics and Control
- Principles of Design
- Chemical Engineering mathematics
- Process Engineering Costing and Plant Design
- Process Instrumentation and Control
- Chemical Equipment Design
- Food Technology
- Energy Conservation and Recycle

FDP/STTP/SDP/WORKSHOPS ORGANIZED AS A COORDINATOR:

- Coordinator for Three Days online FDP on “Emerging Trends in Sustainable Technologies” organized by Department of Chemical Engg.,SCOE, Pune from 13th – 15th December 2023.
- Coordinator for One week online FDP on “Recent Trends in Green Technology and Materials” organized by Department of Chemical Engg. SCOE, Pune from 20th – 24th December 2021.
- Co Ordinator for Guest lecture organized on “CAREER SKILLS” by Mr. Vishal Mehra , SBU Head, Thermax Ltd, Pune under Sinhgad Students Council and Department of Chemical Engineering on 29th July 2024
- Coordinator for one week offline FDP on “Advanced Engineering materials” organized by Department of Chemical Engg.,SCOE, Pune

CONFERENCES ATTENDED:

- Attended ICPC 2020, International Conference, at SCOE, Pune held from 13th-14th Feb 2020.
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FDP/STTP/SDP ATTENDED:

- Attended two week online FDP on “Advancement and Recent Application Trend in JAVA” conducted by ABC trainings from 11th – 21st March 2024.
- Attended one week online FDP/STTP on “Recent advances in Chemical Engineering” organized by Jawaharlal Darda Institute of Engineering and Technology, Yavatmal from 26th – 30th December 2023.
- Attended one week online FDP on “Recent Trends in Artificial Intelligence and Data Science” organized by E & TC dept.,SCOE, Pune from 24th – 28th July 2023.
- Attended one week online FDP on “Sustainable Manufacturing Management” organized by Chemical and Civil Dept.,DYPIEMR, Pune from 11th – 15th July 2022.
- Attended one day online workshop on “Virtual Labs: Hands on Online Workshop” organized by nodal centre 227, SCOE, Pune on 10th December 2021.

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Society Level

- Worked as SCOE chemical department coordinator for Sinhgad Student Council (SSC).
- Worked as Taluka Coordinator in Admission Mission 2022, 2023 and 2024.

Institute Level (SCOE)

- Working as Anti-ragging committee member since 2022 - 23
- Working as Admission counseling committee member since 2021
- Working as Member of committee working for Activity for admissions, SCOE since 2022

Department Level (Chemical)

- Lab In charge for Process Dynamics and Control and Chemistry Laboratories, Teacher Guardian, Class Teacher
- Coordinator and Organizing committee member for various Faculty Development Programs
- Departmental Internal exams (Class test and prelim exams) Coordinator
- Departmental Alumni Coordinator
- Project Guide for BE students
- NBA and NAAC committee member
- Departmental Techtonic Event Coordinator (Event “Seminar”)
- Department Coordinator for Extra and co-curricular activities of the students.
- Overall STP (Student training program) Coordinator of the department

Involvement in Technical Clubs at STES/SCOE/Dept

- SCOE chemical department Coordinator for Sinhgad Student Council (SSC)

DECLARATION:

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: / / 2024

Signature