



Dr. PRASHANT D. JOLHE
Associate Professor, Department of Biotechnology

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OVERVIEW:

Qualifications: Ph.D. (Chemical Engg.), M.E. (Chemical Engg.), B.Tech (Chemical Engg.)

Experience: Teaching -18 years

Date of Joining STES: 28/07/2008

SIGNIFICANT ACHIEVEMENTS:

- Member Board of Studies Biotechnology Engineering, Savitribai Phule Pune University, Pune since 27/09/2016 to 26/09/2018.
- Member Board of Studies Biotechnology Engineering, Savitribai Phule Pune University, Pune since 2023
- Granted a Patent Titled “Process for the Preparation of Biodiesel using Liquid Lipase Enzyme”, Name of Inventors: Hawranik Clayton, Chetan Sayankar, Prashant Jolhe, Akshay Chirde, Patent number: 201621030302 Agency/ Country: India

AREA OF EXPERTISE /RESERCH INTERESTS:

- Bioprocess and Microreactor Technology, Process intensification, Bio fuel production

NUMBER OF STUDENTS GUIDED:

- PG – 02 , UG – 30+ Groups

RESEARCH PULICATIONS:

Publication Summary:

Scopus/ SCI- 10
International Journal: 10
Conference : 15
h-index : 07
i10 index : 06

<https://scholar.google.com/citations?user=TYFIZxYAAAAJ>

FUNDED RESEARCH PROJECT:

- Project Title: Novel method for Biofuel production and Bio-separations using Deep Eutectic Solvents, Amount received:1.2 lakh, Duration :2016-18, Funding agency: BCUD, Savitribai Phule Pune university, Pune, Status: Completed

- Project Title: Synthesis of Nanoparticles using plant extracts in microreactor, Amount received:1.4 lakh, Duration; 2016-18, Funding agency: BCUD, Savitribai Phule Pune university, Pune, Status: Completed
- Project Title: Microbial degradation of Polyurethane Foam, Amount received: 2.7 lakh, Duration; 2013-15, Funding agency: BCUD, Savitribai Phule Pune university, Pune, Status: Completed
- Project Title: Protein Separation by Microfiltration Under Electric Field, Amount received: 2.0 lakh, Duration; 2010-12, Funding agency: BCUD, Savitribai Phule Pune university, Pune, Status: Completed

Ph D Research Work:

- I have worked in various research areas such as Bioprocess and Microreactor Technology, Biofuel production, Preparation of Nanomaterials and Nanostructures with the aid of bioresources like cow urine and plant extract, wastewater treatment, preparation of photocatalysts for the degradation of pollutants, production of chemical and nanoparticles in ultrasound assisted microstructured/micro/millimeter sized reactors.

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- Subject Expert for Selection of teaching post in Chemical Engineering on the selection Committee appointed by Savitribai Phule Pune University at Dr. D.Y. Patil College of Engineering, Akurdi, Pune
- As a session chair for 1st international conference on Emerging trends in Engineering and Technology & Architecture (iCETETA-2017) held at D. Y. Patil College of Engineering & Technology, Kolhapur on 11th March 2017.
- As a session chair for state level conference on Emerging trends in Engineering sciences (ETES-2018) held at Zeal College of Engineering & Research, Pune approved by Savitribai Phule Pune University, on 13th Feb 2018.
- Delivered expert Lecture during Refresher Courses/Training on topic : Bioprocess and Microreactor Technology: A Promising Process Intensification Tool, Derived talk at AICTE sponsored FDP organized by Laxinarayan Institute of technology, RTMU, Nagpur
- Delivered expert Lecture during Refresher Courses/Training on topic: Microreactor Technology: A Promising Process Intensification Tool, Derived talk at AICTE sponsored FDP organized by Depart of Chemical Engineering, Pravara Rural Engineering College Loni.

SUBJECTS TAUGHT:

- Reaction Engineering
- Plant Engineering and Project Costing
- Material balances and Stiochiometry
- Bioprocess Equipment Design
- Industrial Organization and Management
- Nanotechnology

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

- Organized a state level seminar on “Advances in Enzyme Technology “sponsored by BCUD, University of Pune, organized at Department of Biotechnology, Sinhgad College of Engineering, University of Pune, Pune, on 9 th March, 2013

CONFERENCES ATTENDED:

- International Conference on Emerging Trends in Biotechnology for Waste Conversion (ETBWC) 2017, held at CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur Maharashtra (M.S.), India during, during 8th & 10th October 2017
- International Conference on GO GREEN, held at Chandmal Tarachand Bora College, Shirur (M.S.), India during, during 12th & 13th January 2017.
- Chemcon 14, held at Chandigarh, Panjab, India during 28th & 30th Dec. 2014.
- First International and Third National Conference on Biotechnology, Bioinformatics and Bioengineering held at Hotel Udayee International ,Tirupati, Andhra Pradesh, South India during 28th & 29th June 2013.
- INDO -US workshop on nano-structured Electronic materials : Challenges & Relevance to Electronics & Energy research held at Thrissur, India on 8th & 11th March, 2013.
area of Nanomaterials and paper presentation in the Nanocon-2010.

FDP/STTP/SDP ATTENDED:

- TEQIP/AICTE/ISTE/IETE sponsored FDP -08
- Others -2

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Society/ University Level

- Worked as Assistant Director, Revaluation and Verification Department, Savitribai Phule Pune University (October 2011 and April 2011 examination) for Engineering Faculty.
- Worked as Assistant Director at FE/BE CAP NOV 2024, TE/BE CAP May 2024, FE SE CAP BE CAP Nov 2023, BE CAP May 2023 ,BE CAP Nov 022, BE Cap May 2022, TE CAP May 2013, Nov 2014 S.E. CAP (October 2011), Examination of Savitribai Phule Pune University for Engineering Faculty at Sinhgad College of Engineering, Pune.

Institute Level (SCOE)

- College Examination Officer, Sinhgad Collge of Engineering, Pune since 12/06/2019.
- **Member, College Examination Committee, Sinhgad College of Engineering, Pune**
- Worked as an Institute Co-ordinator for Techtronic 2018-19.
- Organizing committee member for INNOVATION, Graduation Ceremony
- Member, Research Committee, Sinhgad College of Engineering, Pune
- Co-ordinator Examination, Department of Biotechnology and Production Engineering under circular 125 of Savitribai Phule Pune University Pune at Sinhgad college of Engineering, Pune

Department Level (Biotechnology)

- Working as a member of College Academic Research Committee at Sinhgad college of Engineering, Pune.
- Working as a member of College Examination Committee, Sports Committee at Sinhgad college of Engineering, Pune.
- Worked as a Institute co-ordinator (registration) for Techtronic 2014-15, 2015-16 & 2016-17 at Institute level.

- Working as a Coordinator for Departmental Industrial Visit, Library, Unit Test Examination for Department of Biotechnology of Sinhgad college of Engineering, Pune.
 - Working as a Laboratory In charge (Preparation) at Department of Biotechnology of Sinhgad college of Engineering, Pune.
 - Coordinator (Students Co-curricular and Extracurricular activities) Department of Biotechnology, Sinhgad College of Engineering, Pune
 - Project & Seminar Coordinator, Department of Biotechnology, Sinhgad College of Engineering, Pune
- I hereby declare that all the above information furnished by me are true to the best of my knowledge.

DECLARATION:

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

Date: 10/12/2024

Signature

Dr. P. D. Jolhe