

## Resume

Name : Dr. Abhijit Ramchandra Chavan

Office Address : Department of Chemical Engineering

Dr. B. A. T. University, Raigad-402103, M.S.

Permanent Address : G-604, Balaji Krupa C.H.S., Sector 28,

Nerul -400706, Navi Mumbai

Date of joining department : 23/8/1996

Date of Birth : 23/01/1972

Email id : archavan@dbatu.ac.in

Contact No. 9987891080

Education : Ph.D(IIT, Bombay) in March 2010

M.Tech in Chemical Engineering(IIT, Kanpur) in July 1996

B.Tech in Petrochemical Engg(Dr. BATU, Lonere) in June 1993

HSc(Science) from Bombay University in June 1989

SSC from Bombay Board in June 1987

Experience : 28 years in teaching and research

Publications : Nine

Total PG students guided : 25

Total PhD students guided : 2

Total PhD(Ongoing) : 2

Area of Research : Mass Transfer, Bioprocess Engineering, Modeling and Simulation, Process Control, Environmental Engineering

Achievements : GATE(Chemical Engg)1994 AIR 107

### List of Publications

Name of the Faculty Member : Dr. Abhijit R. Chavan

Sr. No.	List of Publications
1	Abhijit R. Chavan, Anuradha Raghunathan, K.V. Venkatesh, "Modeling and Experimental studies on intermittent starch feeding and citrate addition in simultaneous saccharification and fermentation of starch to flavour compounds", J. Indl. Microbiol Biotechnol(2009), 36, 509-519.
2	Pradip R Gadade, M D Sardare, A. R. Chavan, "Studies of extraction of methylene blue from synthetic waste water using liquid emulsion membrane technology", The Canadian Journal of Chemical Engineering(2013), Vol. 91
3	Ninad R Jawade, A. R. Chavan, "Ultrasonic assisted extraction of aloin from aloe vera gel", Procedia Engineering 51 , 487-493, 2013
4	Nikita R. Sawant, A. R. Chavan, "Determination of gallic acid from their methanolic extract of Punica granatum by HPLC method", International Journal of ChemTech Research, Vol. 5, No.5, (2013)
5	Sachin S. Shinde, A. R. Chavan, "Isolation of mangiferin from different varieties of Mangifera Indica dried leaves", International Journal of Scientific and Engineering Research, Vol. 5, Issue 6 (2014).
6	Harshal D. Kawale, Anil C. ranveer, A. R. Chavan, "Electricity generation from waste water using a microbial fuel cell by using mixed bacterial culture", J. Biochem Tech, 8(2) ,1123-27, (2017).



# **Dr. Babasaheb Ambedkar Technological University,**

Lonere, Dist - Raigad – 402103 (Government of Maharashtra's State Technological University)

**Dr. Sonali M. Mhatre ( former Ms. Sonali V Chaudhari)**

Assistant Professor ( Sr. Scale)

Department of Petrochemical Engineering

[svchaudhari@dbatu.ac.in](mailto:svchaudhari@dbatu.ac.in) / [dr.sonalichaudhari@gmail.com](mailto:dr.sonalichaudhari@gmail.com)

## **Academic Qualifications**

B. E. (Chemical Engineering) Amravati University

M. Tech. (Chemical Engineering) Dr. B. A. T. University, Lonere-Raigad

Ph.D. (Study of Heterogeneous Systems) Dr. B. A. T. University, Lonere-Raigad

## **Work experience**

**17 years ( 14 years (Regular), 3 years (Adhoc) )**

## **Subject taught till the date**

Optimization Technique, Plant Utilities and Safety, Petrochemical Processes, Process Technology, Chemical Reaction Engineering, Advanced Heat Transfer, Advanced Water Treatment, Mass Transfer Operation, Introduction to MATLAB, Psychology, Product Design Engineering

**Publications National/International Journals – 03**

**Conference Papers - 04**

**National/International Conferences/Workshop attended – 18**

**Books Chapter published- 01**

**Paper reviewed - 04**

**No. of Guest Lectures delivered - 02**

**No. of Conferences arranged -01 (for Industrial and Academic Persons)**

## **Research Interests**

Mass Transfer Operations, Chemical Reaction Engineering, Advanced Separation Processes, Renewable Energy, Hazard and Safety, Programming and Simulation, process intensification, Multidisciplinary related to Health Care, Pharmaceutical, Agriculture, 3D printing

## Recent Publications

1. Ms. S. V. Chaudhari, Dr. G. M. Deshmukh, **“Fluidization Effect on Removal and Recovery of Palladium (II) From Wastewater by Chelated Ion Exchange Resin”**, Chemical Engineering Communication, March 2015, <https://doi.org/10.1080/00986445.2014.880423>
  2. Mr. Prashant Bamne, Dr. S. V. Chaudhari, **‘Municipal Solid Waste Management In Pune (Ms) Current Challenges And Future Solutions For Development’**, Journal of Emerging Technologies and Innovative Research, 2019
  3. Bagade, Shashikant B; Patil, Kiran D; Hatware, Ketan V; Pingale, Prashant L; Mhatre, Sonali V Chaudhari. **‘ Palm Vein Technology: A Biometric Intelligence System for Patient Authentication and Safety’**, Research Journal of Pharmacy and Technology; Raipur Vol. 16, Iss. 11, (Nov 2023): 5554-5561. DOI:10.52711/0974-360X.2023.00898
  4. S R Hivre, S M Jadhav, S Shahapure, S M Mhatre, V.J.Kadam, **‘Securing Critical Infrastructure: A Comprehensive Exploration of Modern SCADA Risk Management Strategies’**, IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS), 2024  
<https://doi.org/10.1109/ICBDS61829.2024>.
  5. Atul A. Shirkhedkar Suraj R. Chaudhari, Shashikant B. Bagade, Sonali V. Chaudhari, **‘A Brief on Analytical and Characterization Techniques for Evaluation of Pharmaceutical Cocrystals’**, Cocrystals in Pharmaceutical Sciences: Design to Applications, Scrivener Publishing LLC, 2025  
<https://doi.org/10.1002/9781394302505.ch5>
  6. Sonali V Chaudhari, Review the article on ‘ Recent Development in 3D printing assisted Surgical Dentistry’, Material Science and Engineering : B, 2025
  7. Sonali V Chaudhari, Review the articles for 4th International Conference on Next Generation Technologies for Sustainable Development (ICNGT-2025), NMIMS
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# Dr. Babasaheb Ambedkar Technological University Lonere Raigad

## One Page Summary of Research Area

**Name:** Dr. Prashant Bhimrao Dhanke

**Date of Birth:** 13/09/1983

**Qualifications:** PhD Chemical Engineering, M.Tech Petrochemical Tech.  
BE Chemical Engineering



**Domain and Department:** Engineering- Chemical Engineering & Petrochemical Engineering

**Research Area:** Biofuel, Wastewater Treatment, Petroleum Refining and Petrochemicals  
**Process Intensification**

**Address:** Dept. of Chemical, Padmabhooshan Vasantrodada Patil Institute of Technology (PVPIT), Budhgaon, Dist: Sangli, 416 304

**Cell Phone No & Email ID:** 9226012686 , [dbpchem@gmail.com](mailto:dbpchem@gmail.com)

**No of M. Tech & PhD Students Completed & Ongoing:** 00

**Publications in Scopus/SCI Journals:** 13

<https://scholar.google.com/citations?user=LsvQ88EAAAAJ&hl=en>

### Summary of Research Domain

Biofuel like BioDiesel Production

Petroleum Refining and Petrochemicals

Wastewater Treatment

Process Intensification

### **Complete Biodata and Publications**

[https://drive.google.com/drive/u/0/folders/1EHyO\\_Tq3uLNs-QWLTtmsRycGujtkEdca](https://drive.google.com/drive/u/0/folders/1EHyO_Tq3uLNs-QWLTtmsRycGujtkEdca)

**Prashant Bhimrao Dhanke**