

GOVERNMENT POLYTECHNIC, JALNA

FACULTY PROFILE



Programme: CHEMICAL ENGINEERING

1. Name of the Faculty Member : Shri Chandrakumar B.Mohod
2. Designation : Lecturer (Chemical Engineering)
3. Date of Birth : 11/08/1982
4. Date of joining in the system : 15/11/2011
5. Date of joining G P JALNA : 01/07/2023
6. Address for Correspondence : C/O V.Shigedar, Near Vitthal Rukhamini Mandir, Yashwant Nagar, Jalna, 431303.
7. Mobile No. : 9284394189
8. Email ID : cmohodlit@gmail.com
9. Area of Interest : Chemical Engineering (Pyrolysis)
10. Courses Taught : Solid Fluid Operations, Fluid Flow Operations, Mechanical Operations, Plant Economics and Energy Management.
11. Academic Qualification (Bachelor Degree onwards) :

Sr.No.	Degree Held	University	Year of passing	Specialization
01	B.Tech.	Laxminarayan Institute of Technology, RTMNU, Nagpur	2005	Chemical Engineering
02	M.Tech.	Laxminarayan Institute of Technology, RTMNU, Nagpur	2009	Chemical Engineering

12. Professional Experience:

1. Teaching : 16 Years

2. Industry: 02 Years

3. Research: 03 Years

Technical Qualifying Exams:

1) Graduate Aptitude Test in Engineering (GATE) Exam, 2007 in Chemical Engineering.

Gate Score: 218

AIR-1632

Percentile: 60.89

2) Bhabha Atomic Research Centre (BARC), Bombay, 2008 in Chemical Engineering.

Member of Scientific Society/Professional Body:

- I) Associate Member of Institution of Engineers (IEI), Kolkata, India, (AMIE/AM098916-1)
- II) Life Member of Indian Society for Technical Education (ISTE), New Delhi, India, (LMISTE/83317)
- III) Life Member of International Association of Engineers (IAENG), Hongkong. (MIAENG/123387)
- IV) Life Member of International Association of Academician and Researchers, Singapore (MINAAR/1467)

- V) Life Member of Asia Pacific Chemical, Biological Environmental Engineering Society, Hongkong. (MAPCBEEES/201499)

Research Experience:

M.Tech. Project, on “**Hydrodynamic Characteristics of Reversed Flow Jet Loop Reactor**” was submitted under the **guidance of Dr.K.V.Koranne**, Prof.of Chem.Engg. at Laxminarayan Institute of Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (M.S.), 2009.

- **Seminar (elective):** “Total Quality Management (TQM)”.

B.Tech. Project (Dissertation), on “Manufacture of Naphthalene” was submitted under the **guidance of Prof.T.B.Chahande**, HOD & Prof.of Chem.Engg. at Laxminarayan Institute of Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur (M.S.), 2005.

- **Seminar:** “Turning Cellulose Waste into Nanofibres by Electro-spinning process”.

Number of Thesis Submitted and supervised of UG Students at Anuradha Engineering College,Chikhli,Dist-Buldhana, Sant Gadge Baba Amravati University, chikhli, dist. Buldhana (M.S.) under Supervision: 02

Topic of Research Project:

- 1] Aerobic Treatment of Dairy Wastewater in Aerobic Bioreactor (Project).
- 2] Aerobic Treatment of Industrial Wastewater in Bioreactor (Dissertation).

Paper/Poster Presentation / Seminar:

National Seminar-02

- 1) Paper Presented on “**Turning Cellulose Waste into Nanofibre by Electrospinning Process.**” at, **COGNIZANCE**, organized by **I.I.T.Roorkee, 19-21 Mar. 2004.**
- 2) Participated in National Level Seminar on “**Agro Processing Industries & Employment in India**” organized by **Department of Economics at Jeevan Vikas Mahavidyalaya,Thugaondeo ,Tah.-Narkhed, Dist.-Nagpur ,26 sept.2011.**

Research Paper Publication:

In a) International Journal Publications -06

- 1) Research paper has been accepted for publication on “**Recommendation on Personal Protective Equipments: An Safety Review**” in “**Journal of Safety Engineering,2016, ISSN(ONLINE)-2395-6674.**
- 2) Research paper has been published on “**Application of Ordinary Differential Equations (ODE’s) in Reaction Engineering: Review**” in “**International Journal of Chemical and Molecular Engineering**”,vol.2,Issue-1, pp.-1-9,2016.
- 3) Research paper has been published on “**Review on Progress of Aluminium industries in India -Part-1**” in “**International Journal of Mellurgy and Alloys**”, Vol. 2: Issue 1 , pp-20-26, 2016.
- 4) Research Article has been published on “**Career and Employability skills of diploma chemical engineer**”, in **Short Communication** entitled as “**International Journal of Chemical Engineering and Processing**”,Vol-2,Issue-1,PP-11-14,2016 ISSN(ONLINE)-2455-5576.

- 5) Research paper has been published on “**Treatment of Synthetic Dairy Waste in an Aerobic Bioreactor**”, in “**International Journal of Industrial Biotechnology and Biomaterials**, Vol-1, Issue-1, PP11-17, **2015, ISSN(ONLINE)-2455-7323**.
- 6) Research paper has been published on “**Removal of Alizrine Dye From Aqueous Solution By Specially Synthesised Carbon Alumina Nanocomposite: Kinetic Study**”, in “**International Journal of Advances in Management ,Technology & Engineering Sciences** , Vol-1, Issue-6(IX), PP131-136, **Mar 2012, ISSN-2249-7455**.

In b) National Conferences- 04

- 1) Presented Research Paper on “**Design and Engineering of an Manually Opearted Rotary Drum Filter**” at National Conference, **NCOAT-NIRMITI** at Priyadarshani Institute of Technology, Nagpur, **28 Feb. 2015**.
- 2) Presented Research Paper on “**Advance Technology For Catalyst and Reactor Design**” at National Conference, **NCOAT-NIRMITI (ISTE Chapter)** at Priyadarshani Institute of Engineering & Technology, Nagpur, **02-03 March 2012**.
- 3) Presented Research Paper on “**Forward Osmosis Membrane Process**” at National Conference, **NCOAT-NIRMITI (ISTE Chapter)** at Priyadarshani Institute of Engineering & Technology, Nagpur, **02-03 March 2012**.
- 4) Presented Research Paper on “**Biomethanation- a New Technique For Production of Electric Power From Industrial Waste**” at Anuradha Engineering College, Chikhli, Buldhana (M.S) in **CHEMCON**, **12-13 March 2009**.

In c) International Conferences-01

- 1) Presented Research Paper on “**Removal of Alizrine Dye From Aqueous Solution By Specially Synthesised Carbon Alumina Nanocomposite: Kinetic Study**” at International Conference, **ICCTCMECAT** at Deogiri Institute of Engineering And Management Studies, Aurangabad, **23-25 Mar 2012**.

Trainings/Workshops:

- | | |
|---|--|
| <ul style="list-style-type: none"> • One Day- 01 • One Week-NIL • Six Week--01 | <ul style="list-style-type: none"> Two Day- 02 Two Week-06 |
|---|--|
- 1) Participated in a **two day workshop Workshop** on “**Research-Academia-Industry Interaction (RAIL-2018)**” at MNNIT Allahabad,Uttar Pradesh, Conducted by MNNIT Allahabad ,SPONSORED BY TEQIP-III , **03-04 Feb. 2018**.
 - 2) Participated in a **Two-week ISTE Workshop** on “**Environmental Studies**” at VNIT Nagpur, Conducted by **IIT Bombay** through ICT (MHRD), **02-12 June 2015**.
 - 3) Participated in **six-week Foundation Training Programme** on “**Induction Phase** at **Yashvantrao Academy of Administration (YASHADA)**, Pune sponsored by **DTE, Mumbai**, **15 July 2013 -24 Aug. 2013**.

- 4) Participated in a **two day workshop** on “**Question Paper Setting**”, organized by **MSBTE, Mumbai** at Dr.Panjabrao Deshmukh Polytechnic, Amravati, **20-21 June 2013**.
- 5) Participated in **Two-week Training Programme** on “**Induction Programme Phase-II** (IP-28/13-14/02) at Priyadarshani Polytechnic, Nagpur, organized by MSBTE, Mumbai, sponsored by **AICTE & NITTTR Bhopal, 27 May 2013-07 June.2013**.
- 6) Participated in **Two-week Training Programme** on “**Induction Programme Phase-I**” (IP-11/12-13/08) at NITTTR Extension Centre Pune, sponsored by **NITTTR Bhopal 17-28 Sep.2012**.
- 7) Participated in a **Two-week ISTE Workshop** on “**Computational Fluid Dynamics**” at VNIT Nagpur, Conducted by **IIT Bombay** through ICT (MHRD), **12-22 June 2012**.
- 8) Participated in a **Two-week Staff Development Programme (SDP)** at Priyadarshani Institute of Technology, Nagpur. **Sponsored by AICTE, 15-25 June 2011**.
- 9) Participated in **One Day Workshop** on ‘**SCADA**’ organized by **Institution of Engineers Nagpur (INDIA)**, Nagpur Local Centre, Nagpur, **12 Jan 2008**.
- 10) Participated Online Industrial training in course of **Industrial Training on Optimisation Techniques in Renewable Resources & Power System, NSIC**, Duration: **24/05/2023 to 02/06/2023**.

Member/Reviewer of Editorial Board of National/International Journals:

National-Nil

International-04

1. International Journal of Chemical Engineering and Processing [ISSN(ONLINE)-2455-5576].
2. International Journal of Green Chemistry.
3. International Journal of Chemical Separation Technology.
4. International Journal of Engineering Research and Technology [ISSN (ONLINE)-: 2278-0181]

Technical Activities:

- 1) Worked as a Member of Organising Committee for organizing **One Day State Level Technical Paper Presentation Competition**, (sponsored by **MSBTE, Mumbai** at Government Polytechnic, Arvi , Dist.-Wardha, dated: **29 Sept.2016**).
- 2) Worked as a **Co-ordinator** for organizing **One Day State Level Technical Paper Presentation Competition (CHEMSPARK-2013)**, sponsored by **MSBTE, Mumbai** at Government Polytechnic, Arvi, Dist.-Wardha, dated: **6 Mar.2013**.

Signature of Faculty
Mr.Chandrakumar Bhimrao Mohod