

**Name** **DR. PRASHANT A. GIRI**  
**B. Tech., M. Tech. (Chemical Engineering)**  
**Ph. D. (Chemical Engineering)**  
**(+919665248178/8421513967)**



**Present Designation** Associate Professor

**Department** Chemical Engineering

**Education** B. Tech. (Chem. Engg.), LIT, Nagpur  
M. Tech. (Chem. Engg.), LIT, Nagpur  
Ph. D. (Chem. Engg.), DBATU, Lonere

**Branch / Specialization** Chemical Engineering

**Areas of Interest/Expertise** Distillation Operation and Sequencing of Distillation Columns, Mathematical Modeling of Chemical and Biochemical Processes, Fluid Mechanics and Hydrodynamics, Application of Knowledge based and Expert based systems in chemical engineering, Computer Aided Design, Effluent treatment in chemical industries.

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#### Academic Appointments

| Name of the University / Institute/ Industry                    | Duration                            | Designation                |
|---|-------------------------------------|----------------------------|
| <b>Finolex Academy of Management and Technology, Ratnagiri.</b> | <b>From 01/09/2023 to Till Date</b> | <b>Associate Professor</b> |
| Finolex Academy of Management and Technology, Ratnagiri.        | From 16/11/2016 to 31/08/2023       | Assistant Professor        |
| Maharashtra Polytechnic, Mandangad, Ratnagiri.                  | From 05/01/2015 to 12/11/2016       | Principal                  |
| Finolex Academy of Management and Technology, Ratnagiri.        | From 04/02/2009 to 03/01/2015       | Assistant Professor        |
| United Phosphorous Ltd, Ankleshwar, Gujrat                      | From 03/03/2008 to 02/02/2009       | Sr. Executive-Technical    |
| UDCT, North Maharashtra University, Jalgaon.                    | From 30/12/2004 to 15/08/2006       | Lecturer                   |

### Total Experience – 17 Years

### Awards / Honors / Prizes

1. Awarded **Gold Medal** for securing a meritorious position in **M. Tech. Chemical Engineering** Examination held by the RTM Nagpur University, Nagpur.
2. Awarded **Chartered Engineer (Chemical Engineering) Certification** by Institution of Engineers, India (IEI).

### Students projects Guided at Masters Level-01

Thesis Title:Hydrodynamic Study and Verification of Ergun's Equation for Packed Bed

### Seminars/Lecture/Invited Talks Delivered/Conducted-06

### Research Papers Published- 24

### Patents Published/Granted- 01

Patent Published: Parabolic Solar Collector Hot Air Dryer- Patent Application No.20222103130, dated 17/06/2022.

### Book Chapters Published- 02

| Sr No | Title of Chapter   | All Authors Name (As Per Book Chapter)   | Name of Book   | Name of Publisher   | National International | Page No (From-To) | ISBN Number       | Academic Year |
|-------|--|--|--|---|------------------------|-------------------|-------------------|---------------|
| 1     | A Study on Plastic Waste Recycle at Amazia Vision Enterprise Private Limited, Satara | Tanmay Ghadge, Vrushti Khare, Prashant A Giri, Vikas Jadhav & Shailesh Bhosale | Plastic Waste Management : Turning Challenges into Opportunities | Bharti Publications 4819/24, 3rd Floor, Mathur Lane Ansari Road, Darya Ganj, New Delhi-110002 | National               | 107-114           | 978-93-91681-06-7 | 2021-22       |

|   |   |                                    |  |                  |          |   |   |         |
|---|---|------------------------------------|--|------------------|----------|---|---|---------|
| 2 | Methods for Synthesis of Multicomponent Distillation and its Optimal Sequencing: A Review | Prashant A Giri & Yogesh S Mahajan | Futuristic Trends in Chemical, Material Sciences & Nano technology, Volume 2, 2022, Sep 2022 | IIP Publications | National | - | - | 2022-23 |
|---|---|------------------------------------|--|------------------|----------|---|---|---------|

**Google Scholar Profile Page:** <https://goo.gl/dt1WfB>

**Papers Presented/Published in National/ International Conferences - 17**

**Number of Workshops, Seminars, STTPs, FDPs Attended – 24**

**Professional Membership- 10**

- 1. Life member** of Indian Institute of Chemical Engineers, **IChE (Membership Number: LM-73473)**
- 2. Chartered Engineer** of Institution of Engineers India (IEI) **(Membership Number: M-17047)**
- 3. Life member** of Institution of Engineers India (IEI) **(Membership Number: M-1688086)**
- 4. Life member** of Indian Society of Technical Education, **ISTE (Membership Number: LM-66573)**
- 5. Life Member** of International Association of Engineers, **IAENG (Membership Number: 131236)**
- 6. Life Member** of IAENG (International Association of Engineers) Society of Chemical Engineering **(Membership Number: 131236)**
- 7. Associate Member** of Universal Association of Civil, Structural and Environmental Engineers, **UACSE (Membership Number: AM1010001790)**
- 8. Member** of Asia-Pacific Chemical, Biological & Environmental Engineers Society, **APCBES (Membership Number: 201395)**

9. **Member** of International Separation Science Society (CASSS), USA (**Membership Number: 30515992**)
10. **Member** of the International Society of Food Engineering (ISFE), (**Membership Number:1619**)

#### Other Experience

1. **Visiting faculty** at Mumbai University Sub-Center for Diploma in Industrial Safety and Management.
2. **Visiting faculty** at Finolex Industries Limited for Educational Quality Improvement Program (EQUIP) run by FIL in association with Indian School of Petroleum and Energy (ISPE) for their employees.
3. **Visiting faculty** for the subject 'Computer Aided Design' at Gharda Institute of Technology (GIT), Lavel from Jan 2011 to Apr 2011.
4. **Coordinator** of National Seminar On '**Recent Trends in Chemical Technology**' organized by Dept. of Chemical Technology, N.M.U., Jalgaon. During 06-07 Jan, 2006, sponsored by CSIR-UGC, New Delhi.

#### College Exam Duties

1. Working as a **Senior Supervisor** for **MUEngineering Examination of FH 2023**.
2. Worked as a **CAP coordinator** for the 2017 paper assessment at **FAMT for Science CAP**.
3. Worked as a **Senior Supervisor** for **Engineering and MCA 2009 Winter Exam**.
4. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University.
5. Worked as **External Examiner** For Examinations Conducted by Mumbai University.
6. Worked as **Teacher in Charge** for Practical's/Viva examination of 2016-2017.

#### Other Experience

##### College Level Committees

1. Working as a **Convener**, Sports Committee.
2. Working as a **Member** of FAMT Alumni Association.
3. Working as a **Member** of Academic Canteen Monitoring Committee.
4. Working as a **Member** of Biogas Committee.

5. Worked as a **Member** of AICTE-CII Survey and Ranking for Engineering Institute committee.
6. Worked as a **Member** of Document Verification Committee (DVC) for NAAC.
7. Working as a **Member** of Institute Ranking Committee.
8. Working as a **Member** of Admission Counseling Cell for Engineering Admission.
9. Worked as a **Member** of AICTE EOA Committee.
10. Working as a **Member** of Infrastructure Committee.
11. Working as a **Member** of Discipline Committee.
12. Worked as Co-editor of National Conference on "**Advances in Heat and Mass Transfer**" held at FAMT, Ratnagiri, Maharashtra during 30-31 October 2009.
13. Worked as a department coordinator for **NAAC Criteria II committee**.
14. Worked as a department coordinator for **External Oral and Practical Examination**.
15. Represented College in **Career Exhibition Organized by Sakal Papers in Ratnagiri (2011)**.
16. Working as **Teacher in charge** of **ACES (association of Chemical Engineering Students)**.

#### **Judge Panel / Staff Selection Committee / Subject Expert**

5. Invited as a Judge/Expert for the session in EXOTECH 2k18- A National Level Paper and Poster Presentation Competition on 24<sup>th</sup> March, 2018 organized by Department of Chemical Engineering and ACES, Finolex Academy of Management and Technology, Ratnagiri.
6. Reviewer of Journal of Emerging Technologies and Innovative Research(JETIR) ([www.jetir.org](http://www.jetir.org)) (ISSN: 2349-5162), **Membership ID: 111977**.
7. Reviewer of International Journal of Creative Research Thoughts(IJCRT) ([www.ijcrt.org](http://www.ijcrt.org)) (ISSN: 2320-2882), **Membership ID: 111964**.
8. Reviewer of Journal of Technological Advances and Scientific Research (JTASR) ([www.jtasr.com](http://www.jtasr.com)) (eISSN: 2454-1788, pISSN: 2395-5600).
9. **Visiting faculty** at Finolex Industries Limited for Educational Quality Improvement Program (EQUIP) run by FIL in association with Indian School of Petroleum and Energy (ISPE) for their employees.
10. **Visiting faculty** for the subject 'Computer Aided Design' at Gharda Institute of Technology (GIT), Lavel from Jan 2011 to Apr 2011.
11. **Coordinator** of National Seminar On '**Recent Trends in Chemical Technology**' organized by Dept. of Chemical Technology, N.M.U., Jalgaon. During 06-07 Jan, 2006, sponsored by CSIR-UGC, New Delhi.

### Subject Taught

| Sr. No. | Name of the Subject                   | Year/Branch/Semester    | Experience |
|---------|---------------------------------------|-------------------------|------------|
| 1.      | Fluid Flow                            | SE Chem Engg (Sem-IV)   | 12 Years   |
| 2.      | Computer Application                  | SE Chem Engg (Sem-III)  | 6 Years    |
| 3.      | Process Calculations                  | SE Chem Engg (Sem-III)  | 5 Years    |
| 4.      | Chemical Engineering Thermodynamics-I | TE Chem Engg (Sem-V)    | 2 Years    |
| 5.      | Chemical Technology                   | TE Chem Engg (Sem-V)    | 2 Years    |
| 6.      | Computer Aided Design                 | TE Chem Engg (Sem-VI)   | 5 Years    |
| 7.      | Transport Phenomena                   | TE Chem Engg (Sem-VI)   | 8 Years    |
| 8.      | Plant Engineering                     | TE Chem Engg (Sem-VI)   | 6 Years    |
| 9.      | Process Engineering                   | BE Chem Engg (Sem-VII)  | 6 Years    |
| 10.     | Advanced Transport Phenomena          | BE Chem Engg (Sem-VIII) | 6 Years    |
| 11.     | Process Engineering and Economics     | TE Chem Engg (Sem-VI)   | 2 Years    |
| 12.     | Transport Phenomena                   | TE Chem Engg (Sem-V)    | 2 Years    |
| 13.     | Environmental Management              | BE Chem Engg (Sem-VIII) | 4 Years    |