

Curriculum Vitae

Name: Dr. Prashant Gupta

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Date of Birth: 06th June 1987



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/ CGPA	Class
Ph.D.	Polymer Engineering and Technology	Institute of Chemical Technology, Mumbai	ICT, Mumbai	2015	NA	NA
PGD	Chemical Technology Management	Institute of Chemical Technology, Mumbai	ICT, Mumbai	2014	8.89 CGPA	<i>Gold Medal Merit</i>
M.E.	Plastic Engineering	MUICT, Mumbai	Mumbai University	2010	72.75%	<i>Distinction</i>
B.Tech.	Plastic and Polymer Engineering	MIT, Aurangabad	Dr. BAMU	2008	72.15%	<i>Distinction</i>
Diploma	Plastic Molding Technology	CIPET, Ahmedabad	Anna University, Chennai	2005	72.90%	<i>Distinction</i>
SSC	General	Army School, Ahmedabad	CBSE, New Delhi	2002	65.8%	NA

M. E. Research Project: Evolution of Acrylic based casting for flooring and comparing it with epoxy-based floorings

Ph. D. Research Project: Environmentally Degradable Polyolefins

Key Research Areas:

- Polymer Compounding
- Polymer nanocomposites
- Polymer Recycling
- Polymer Testing and Characterization
- Project Management
- ICT based Education

Experience

Sr. No.	Organization	Post/Designation	From To	No. of Years
1	MIT, Aurangabad	Assistant Professor-UGC	7 Sep 2017- till date	4 (approx.)
2	MIT, Aurangabad	Assistant Professor-Adhoc	19 Sep 2016- 31 Aug 2017	1(approx.)
3	Loxim Industries, Ltd	Manager -R & D, Head-R&D/QC	1 Aug 2015-16 Sep 2017	1.1
4	Crest Composites and Plastics Pvt. Ltd.	Assistant Manager-R & D	21 Apr 2014- 31 July 2015	1.3

List of Courses Taught/Teaching at UG level

- Polymer Recycling and Waste Management
- Polymer Additives and Compounding
- Industrial Management
- Polymer Processing Technology
- Polymer Testing
- Economics and Management
- Advanced Elastomer Technology

Additional Assignments/Duties

Dr. Babasaheb Ambedkar University, Aurangabad

- Worked on the panel of syllabus revision for Second Year Plastics and Polymer Engineering, Dr. BAMU, MIT, Aurangabad.
- Worked as Examiner for CAS at Dr. BAMU Aurangabad from Nov Dec 2018 till date.
- Worked as Paper Setter for Dr. BAMU Aurangabad from Nov-Dec 2018 till date.

Maharashtra Institute of Technology, Aurangabad

- Working as a Junior Scientist in M-CAMRT at MIT, Aurangabad since 2020-21.
- Working as an IT Cell Member for promotional activities at MIT, Aurangabad since AY 2021-22.
- Working as Central Committee member for Virtual Labs Development since AY 2020-21.
- Working as Central Committee member for AQAR reports.
- Working as Regional Technical Co-ordinator for Virtual labs, IIT Mumbai a MHRD initiative in co-ordination with IIT-K, IIT-D and IIT-B at MIT, Aurangabad (Marathwada Regional Centre).
- Worked in First Year Admission team for FY and DSY admission related duties in 2018-19 and 19-20.
- Working as Class Teacher for Third Year B. Tech. Plastics and Polymer Engineering.
- Working as Departmental NPTEL Co-ordinator since 018-19
- Worked as Understudy to Chief Superintendent in Nov Dec 2019 Regular Dr. BAMU End Semester Examinations.
- Worked as Understudy to Chief Superintendent in Nov Dec 2020 Regular and Backlog Dr. BAMU End Semester Examinations.
- Worked as Central committee member for career development/competitive exam cell 2018-2020.
- Worked on the panel of syllabus revision for Second Year, Third Year and B. Tech. Plastics and Polymer Engineering, MIT, Aurangabad.
- Worked as IPI Student Chapter In-charge during 2018-19, 2019-20 and 2020-21
- Worked as Project Lab and Rubber Technology Lab In charge.
- Worked as Project Lab, Rubber Technology Lab and Polymer Synthesis Lab In-Charge.
- Worked as Departmental Online Class Test Co-ordinator.
- Worked as Departmental Time Table Co-ordinator.

- Worked as Class Teacher for B Tech PPE.
- Worked as departmental online feedback co-ordinator.

Research Projects/Projects Guided

Guided/Guiding Industrial Live Projects at Under Graduate Level.

- Chemical Recycling of PET
- Environmental degradation of packaging films
- Biofilms based on corn zein and wheat gluten
- Biofilms based on banana peels

Computer/Software Proficiency

MS Office, Origin etc.

Seminar/Workshop/ Industrial Training/ STTP/FDP/CEP/Conference Attended

Seminar/Workshop/Industrial Training

- Mentor at Virtual Labs Bootathon (24 Apr- 14 June 2020) -Online organized by Virtual Labs, IIT-Mumbai.
- Mentor at Virtual Labs Bootathon (3-10 Nov 2019) at Rajkiya Engineering College, Banda UP organized by IIT-Mumbai, Kanpur and Delhi with REC, Banda.
- Silver Certificate developer for the development of Virtual Labs during Bootcamp (6-11 Feb 2019) organized by IITs Mumbai, Kanpur and Delhi with MIT, Aurangabad on Polymer Processing Technology which is currently hosted nationally on V Labs Dev Website.
- Attended “Virtual labs Bootcamp”, a 1-week STTP for development of Virtual Labs for Polymer Technology.
- Successfully cleared Lead Auditor Training Programme and Examination conducted by Six Sigma Inc., Gurgaon for ISO TS 16949 in 2016.
- Successfully completed Awareness Training Course on ISO 9001:2015 organized by Intertek in 2014.
- Successfully completed Lab safety course arranged by the Department of Chemistry at Institute of Chemical Technology, Mumbai on 21-21 March, 2013.
- Attended Workshop on ‘Next two decades of Chemical Sciences and Technology’ organized by Maharashtra Academy of Sciences with NCL and Department of Chemistry, Pune on 23 Sep 2011
- Successfully completed AUTOCAD Certificate course at CIPET, Ahmedabad (2005).

STTP/FOP/FDP

- Successfully completed an STTP course, “Testing and Quality Control of PVC pipes as per IS 4985:2000” organized at CIPET, Aurangabad between 25-26 Feb 2021.
- Successfully completed an FDP course, “Inculcating Universal Human Values in Technical Education” with a duration of one week (30 hrs) from AICTE during 1-5 Feb 2021.
- Successfully completed an FDP course, “Tale 2-Course Design and Instruction of Engineering Course” with a duration of 8 weeks (Jul-Sep 2019) from NPTEL, Chennai with elite certification status.
- Successfully completed 2-day Faculty Orientation Programme on "An advance English communication and teaching techniques" at MIT, Aurangabad on 4-5 Jan 2018.
- Successfully completed 1-week STTP on “Use of ICT in teaching learning process” organized at MIT, Aurangabad during June-July 2017.
- Mentored local chapter students of NPTEL course on Surface Engineering of nanomaterials, Manufacturing of Composites and Developing Soft Skills and Personality with 100% results at the Dept. of Plastic and Polymer Engineering., MIT, Aurangabad.

Conference

- Attended APC-Rangotsav, a national conference organized by the Department of Polymer and Surface Engineering, ICT, Mumbai on 6-7 March 2018.
- Attended Prkalp 2017 organized by MITAE Chemical Engineering Department and IChE student chapter at MIT, Pune.
- Presented paper titled “Nanomaterial for Oxo degradable Polyolefin Nanocomposite Packaging Films” in PPS 2013, Asia/Australia conference organized by IIT-P, IIT-D and PPS at Hotel Ramada Inn, Mumbai during 4-7, December 2013.
- Presented paper titled “Nanomaterial for Oxo degradable Polyolefin Nanocomposite Packaging Films” in international conference on Advancements in polymeric materials (APM) organized by CIPET, Lucknow on 1- 3 March 2013.
- Presented poster entitled “Functionalized clay filled linear low-density poly-ethylene nanocomposites for packaging applications” in International Conference of Polymers

on the Frontiers of Science & Technology (APA-2013) during February 21-23 at Chandigarh.

- Presented Solution to Industry defined problem “Economic way of FRP Recycling” during “RANGOTSAV 2010” at Institute of Chemical Technology, Mumbai.
- Presented paper entitled “Functionalized clay filled polyolefin nanocomposites for packaging applications” in ANTEC 2012 (International Conference at Hotel Renaissance Convention Center, Mumbai organized by Society of Plastics Engineers, USA. (6-7 December 2012)
- Presented paper on “Oxo degradable polymers” in Polyxplore organized by MIT, Aurangabad. (March 2011)
- Presented paper on “Polymers in Controlled Drug Delivery” in Polyxplore organized by MIT, Aurangabad (March 2011)
- Presented paper on “Evolution of Acrylic based casting for floorings and comparing it with Epoxy based floorings” in National Conference on Recent Advances in Polymers (NCRAP) organized by MIT, Aurangabad (August 2010).
- Presented paper on “Polymer Recycling” during Rangotsav 2010 organized by department of Polymer and Surface Engineering, ICT, Mumbai. (Feb 2010)
- Presented paper on “Fuels from Plastic Waste” at international paper presentation competition “Technomillennium 06” organized by MIT, Aurangabad.

Seminar/Workshop/ Industrial Training/ STTP/FDP/CEP/Conference organized

- Organized national conference “MATA 2019” at the Department of Plastic and Polymer Engineering as Organizing Secretary at MIT, Aurangabad
- Organized Quiz competition during Kalvihangam 2018 on 27 Feb 2018 at MIT, Aurangabad
- Organized “Sports for Staff” event during Kalavihangam 2018 (March 2018) at MIT, Aurangabad.
- Worked as a co-ordinator for organizing “Tarunyabhan-A workshop in Adolescence Education” from 16-18 August 2018 at MIT, Aurangabad.
- Organized national conference “Rangotsav 2012” at the Department of Polymer and Surface Engineering as Sponsorship & Management Committee Head at ICT, Mumbai.
- Organized national conference “Rangotsav 2011” at the Department of Polymer and Surface Engineering as Publication Committee Head at ICT, Mumbai.

Invited talks delivered

- Guest talk delivered on “Importance and applications of Vlabs in Computer Science” at SRTMU, Nanded nodal center training event (Online) organized by SRTMU, Nanded on 15th January 2021.
- Expert Lecture delivered on “Teaching Learning Pedagogy in Virtual Laboratory” at Virtual Labs hands on workshop organized by Virtual Labs, IIT-Mumbai and JEC, Jabalpur on 23rd December 2020.
- Guest Talk delivered on “Virtual Labs” at Ramkrishna Paramhans Mahavidhyalaya, Osmanabad (Online) organized by RPMV, O’bad on 5th December 2020.
- Webinar delivered on “Best Practices at MIT Regional Nodal Centre” at nodal center faculty training event (Online) organized by Virtual Labs, IIT Bombay on 29th August 2020.
- Webinar delivered on “Virtual Labs-Importance and Applications” at faculty event (Online) organized by Dr. Babasaheb Ambedkar Marathwada University, Lonere and Vlabs, IIT Bombay on 7th August 2020.
- Webinar delivered on “Virtual Labs-Importance and Applications” at faculty event (Online) organized by Shree Ramanand Teerth Marathwada University, Nanded on 29th June 2020.
- Webinar delivered on training for Virtual Labs for faculties in Online Event organized by Dr. APJ Abdul Kalam Technological University, UP in co-ordination with Virtual Lab Cell, AKTU, UP and IIT-Bombay on 4th May 2020.
- Delivered invited talk on “Applications of advanced instruments and test methodology to study environmental degradation of packaging polyolefinic films. In “Refresher course in Advanced Instrumentation (MD)” during 18 Nov 2019-30 Nov 2019 at UGC-HRDC, Dr. BAMU, Aurangabad.
- Invited as Session Chairman for Technical Session and Oral Presentation Evaluation Committee member” at conference CPP 2019, 17-18 Sep 2019 at ICT, Mumbai.
- Delivered Guest Lecture on “Current Trends in Polymers” Processing and Applications” on 31 Oct 2018 at Marathwada Institute of Technology, Aurangabad.
- Invited as an expert for conducting faculties (on contract) for subject plastic and polymer at CIPET, Aurangabad on 23 August 2018.
- Delivered talk on "New Generation Vinyl Ester resins for FRP piping in Chlor-alkali Industry” in the seminar on "New Developments in Piping and Valves for Alkali

Industry" organized by Alkali Manufacturers Association of India, on 23-24 July 2015, Ahmedabad.

- Delivered talk on “Styrene free vinyl ester and polyester resins” during ICERP, 2015 at Hyderabad, India, on 29-31 January 2015.
- Delivered talk on “DCPD based polyester resins” during ICERP, 2015 at Hyderabad, India, on 29-31 January 2015.

Projects, Research Grants and Consultancy

- Improvements in process for reduction of parts rejection in plastic components, from Dhruvtara Wiretech Pvt. Ltd. Waluj, Aurangabad undertaken under GIZ-MASSIA from 15-8-2018 to 15.2.2019
- Electricity consumption by developing system to turn off machine automatically from Ekdant Plastics Pvt Ltd, Chikalthana, Aurangabad undertaken under GIZ-MASSIA from 15-8-2018 to 15.2.2019

List of Research Publications

Papers in National/ International Journal

- **Gupta P.**, Bhayani H., Pramanik SK., Rao AC. and Deshmukh SP. Cost effective approach of acrylic resin-based flooring applications. (2015) Construction and Building Materials. 79: pp 48-55.
- Jagtap R. N. and **Gupta P**, “Eco Friendlier Plastics”, published in September 2012, Chemical Industry Digest, Blockdale Publications, India
- **Prashant Gupta**, “Fuels from Plastics Waste”, published in February 2011, Popular Plastics and Packaging, Color Publications, India.

Book Chapter

- **P Gupta**, S. Bhandari. "Chemical Depolymerization of PET Bottles via Ammonolysis and Aminolysis" In Recycling of Polyethylene Terephthalate Bottles, pp. 109-134 William Andrew Publishing, Elsevier, 2019.
- S. Bhandari, **P Gupta**. "Chemical Depolymerization of Polyurethane Foam via Ammonolysis and Aminolysis” In Recycling of Polyethylene Terephthalate Bottles, pp.1-22. William Andrew Publishing, Elsevier, 2019.


- P. Bhagabati, M. Rahaman, S. Bhandari, I. Roy, A. Dey, **P. Gupta**, M. A. Ansari, A. Dutta, D. Chattopadhyay. Synthesis/Preparation of Carbon Materials. In Carbon-Containing Polymer Composites (pp. 1-64). Springer, Singapore, 2019.
- S. Sengupta, **P. Gupta**, P. Sengupta, & A. Dey, Amphiphilic Hyperbranched Polymers. In Functionalized Polymers (pp. 33-63). CRC Press, Taylor and Francis, 2021

NPTEL Certification

Start Date	End Date	Duration (In Weeks)	Course Name	Marks (Out of 100)	Performance
July 2019	Sep 2019	08	TALE 2: Course Design and Instruction of Engineering Course	80	Silver with Elite
Jan 2017	June 2017	12	Surface Engineering of Nanomaterials	NA	Mentor
Jul 2017	Dec 2017	08	Manufacturing of Composites	NA	Mentor
Jul 2017	Dec 2017	08	Developing Soft Skills and Personality	NA	Mentor

Awards, Achievements and Recognition

- Awarded a silver category certificate for development of a virtual lab experiment during 1-week Bootcamp on “Virtual Labs” conducted by VLabs, IIT, Mumbai at MIT, Aurangabad on 6-11 Feb 2019.
- Secured Runner's up award in Staff category for Table Tennis (Doubles) during Kalavihangam 2018 (March 2018) organised at MIT, Aurangabad.
- Secured second prize in APC-Rangotsav 2018 for paper entitled 'Environmental Photo-oxidative Degradation of LLDPE by modification of natural materials" Bhagyesh Chavan, Akshay Pawar and Dr. Prashant Gupta during 6-7 March 2018 at ICT, Mumbai.

- Received Award of Excellence for presenting poster entitled “Functionalized clay filled linear low-density poly-ethylene nanocomposites for packaging applications” in International Conference of Polymers on the Frontiers of Science and Technology (APA-2013) during February 21-23, 2013 at Chandigarh, India
 - Secured first prize in a national conference “RANGOTSAV 2010” for presenting the solution of Industry Defined Problem on “Economic way of FRP Recycling” during Rangotsav 2010 at Institute of Chemical Technology, Mumbai.
 - Secured third prize in “Technomillennium 07” for oral presentation of a technical review paper “Plastic Money” at MIT, Aurangabad.
 - Secured first prize in national level project competition “DESIGN 07” on “Composite Sky Bus” held at MIT, Aurangabad.
 - Won Best Committee Member Awards for Sponsorship Committee during Rangotsav 2012 at ICT, Mumbai.
 - Won Best Committee Member Award for Management Committee during Rangotsav 2012 at ICT, Mumbai.
 - Secured UGC-SAP fellowship during master’s degree and Ph. D. Tech. degree at the Institute of Chemical Technology, Mumbai. (2008-2014)
 - Jayvee Organics Merit Award for Gold Medal for Post Graduate Diploma in Chemical Technology Management at Institute of Chemical Technology, Mumbai (2014).
 - Secured fully funded air travel grant by DBT, New Delhi and 50% grant by CSIR, New Delhi for presenting paper entitled “Nanomaterial for oxodegradable polyolefin nanocomposite packaging films” in EUROTEC 2013, July 2013 at Lyon, France.
 - All India Rank 242 during GATE Examination in 2008.
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Date: 20.07.2021

Place: Aurangabad