

Curriculum Vitae

Name: Gurav Abhijit Chhotupant

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Date of Birth: 12th June 1986



Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	Percentage	Class
Ph.D. (Perusing)	Organic Chemistry	-	Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar	-	-	-
NET-CSIR	Chemistry	CSIR-UGC	-	2010	Rank -284	-
M.Sc.	Organic Chemistry	Department of Chemistry	Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati Sambhajinagar	2009	72.75%	First
B.Sc.	Chemistry	K.J. Somaiya College, Kopargaon	Pune University, Pune	2007	75.33%	Distinction

M.Sc. Project:

Water Mediated Synthesis of some Benzoxazole derivatives” As requirement for the degree of M.Sc. under the Guidance of Dr. R.A. Mane (2008-09)

Experience

Sr. No.	Organization	Post	From To	No. of Years
1	Amberwadikars Institute of Technology, Chhatrapati Sambhajanagar	Lecturer	From 20 th Aug. 2012 to 11 th July 2014	2
2	Central Institute of Plastics Engineering & Technology(CIPET), Chhatrapati Sambhajanagar	Lecturer	From 1 st Aug. 2014 to 30 th July 2016	2
3	Maharashtra Institute of Technology, Chhatrapati Sambhajanagar	Assistant Professor	From 30th Jul. 2016 till date	8

List of Courses Taught/Teaching at UG level (Years taught)

1. Engineering Chemistry (12 Years)
2. Environment and Ecology (4 Years)
3. Organic Chemistry (4 Years)
4. Organic Chemistry of Polymers (3 Years)

Content Saturation

- ✓ **Self-prepared exhaustive library of videos** of Engineering Chemistry, Organic Chemistry, Basic Chemistry on YouTube platform- (www.youtube.com/@chemistrylearners)
- ✓ **Self-constructed website for sharing videos, notes, ppt, quizzes with students-** <https://abhijitgurav.wixsite.com/1234>

Computer/Software Proficiency

1. Well versed with the use of Chemdraw software for drawing chemical structures.
2. Knowledgeable about all aspects of Microsoft windows viz. Word, Excel, PowerPoint.
3. Well versed with use of different teaching learning tools like Edpuzzle, Google Classroom, Hot Potatoes etc.
4. Knowledgeable about the use of learning management system (LMS) viz. Canvas, Gnomio etc.

Books Published

1. A Little Book of Engineering Chemistry (e-Book), ASIN- B079JXJX5R in 2018.
2. A little book of Organic Chemistry for Plastics and Polymer Engineering, ISBN- 13: 978-1729440131 in 2018.
3. Engineering Chemistry Practicals for CIPET First year students, ASIN: B07FSK8WKQ in 2018

Membership of Professional Bodies

1. Lifetime membership of The Indian Science Congress Association, Kolkata, India in 2019. Id: L39412
2. Lifetime membership of International Society for Research and Development (ISRD)- Id: M4150904339
3. Life membership of International Association of Engineers (IAENG)- Id: 185975

Additional Assignments/Duties

1. Paper setter for First year B.Tech. Engineering Chemistry and Second Year B.Tech. (PPE) Organic Chemistry at Dr. Babasaheb Ambedkar University Chhatrapati Sambhajinagar.
2. First Year B.Tech. Departmental Exam Coordinator
3. Class teacher of first year division
4. Departmental NAAC and NBA coordinator
5. Departmental tour coordinator
6. Developed Faculty DRC google form for digitization of faculty data and departmental data
7. Developed Portfolio DRC google form for digitization of departmental data

Achievements and Recognition

1. Certificate of Appreciation received from NPTEL-SWAYAM for the **translation work** in Marathi language for the course Waste to energy Conversion (10 lectures equal to 5.25 Hrs.) on 7th Apr. 2025

2. Received appreciation from IQAC cell Maharashtra institute of Technology, Chhatrapati Sambhajnagar for effective teaching in Engineering Chemistry course of First Year B.Tech. 2023-24.
3. Certificate of Appreciation received from AICTE-SWAYAM for the **translation work** in Marathi language for Chemical Reaction Engineering II course (15 lectures equal to 15 Hrs.) on 4th Jan. 2024.
4. **Validator** for SWAYAM Course Chemical Reaction Engineering-I, offered by AICTE. Validation done in Marathi Language (30 lectures equal to 31 Hrs.). Lectures are approved successfully by SWAYAM on 30th Oct. 2022.
5. **Translator** for NPTEL Course Stereochemistry in Chemical Engineering, offered by IIT Kharagpur. Translation done in Marathi Language (10 lectures equal to 5.75 Hrs.) of Chemical Engineering domain and lectures are approved successfully by NPTEL on 30th Nov 2021.
6. **Translator** for NPTEL Course Basic Principles and Calculations in Chemical Engineering, offered by IIT Guwahati. Translation done in Marathi Language (5 lectures equal to 7 Hrs.) of Chemical Engineering domain and lectures are approved successfully by NPTEL on 2nd July 2021.
7. **Translator** for NPTEL Course Transport phenomena, offered by IIT Kharagpur. Translation done in Marathi Language (10 lectures equal to 5.75 Hrs.) of Chemical Engineering domain and lectures are approved successfully by NPTEL on 1st Sept 2019.
8. Received recognition of role as a **mentor** for the NPTEL course Plastic Waste Management, of Jan-Apr. 2019.

Refresher course

1. Completed ARPIT Course for Career Advancement Scheme (CAS) promotion Online Refresher Course in Chemistry for Higher Education organized by SWAYAM-ARPIT certified on 16th Feb. 2020.

2. Completed one week Refresher Course entitled 'Use of ICT for effective teaching learning' at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar from 8th Jan to 12th Jan 2019.

**Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference
Organized.**

1. Member of organizing committee of a national level Five days Technical Symposium on Advances in Materials and Manufacturing Engineering organized by Department of Mechanical Engineering, Maharashtra Institute of Technology, Chhatrapati Sambhajnagar from 30th June, 2020 to 4th July 2020.
2. Member of organizing committee of a national webinar entitled "Energy And Environment: Challenges & Opportunities" organized by Basic Sciences and Humanities Department, Maharashtra Institute of Technology, Chhatrapati Sambhajnagar held on 5th June, 2020
3. Member of organizing committee of One day workshop on "Revised NAAC Methodology" organized by Internal Quality Assurance Cell (IQAC), Maharashtra Institute of Technology, Chhatrapati Sambhajnagar held on 27th June, 2019
4. Member of organizing committee of one week Refresher Course entitled 'Use of ICT for effective teaching learning' at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar from 8th Jan to 12th Jan 2019.
5. Member of organizing committee of one week STTP entitled 'Use of ICT for effective teaching learning process' at Maharashtra Institute of Technology, Chhatrapati Sambhajnagar from 27th June to 1st July 2017.

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

Workshop

1. Participated in one day “Assessment of Learning Outcomes in OBE” on 19th Apr. 2025 organized by Examination Cell, Maharashtra Institute of Technology, Chhatrapati Sambhajinagar.
2. Participated in 2 days National Seminar on “Quality Improvement in Technical Education Through Outcome Based Education” in association with NAAC organized by IQAC cell of BRCM College of Engineering & Technology, Bahal, Bhiwani (Haryana) from 4th and 5th Nov. 2022.
3. Attended 5 days international workshop on research-based characterization tools and techniques- IRCTT 2021 organized by Department of Physics, Rathinam college of arts and Science, Coimbatore, Tamil Nadu from 23rd to 27th Aug. 2021.
4. Attended One Day Online Workshop on “OBE Concepts & Implementation and Digital Preparedness for NBA” organized by Internal Quality Assurance Cell(IQAC), Maharashtra Institute of Technology, Chhatrapati Sambhajinagar on 29th May 2021.
5. Participated and successfully completed the online workshop on Universal Human Value on the theme “Inculcating Universal Human Values in Technical Education” during 12-16 October, 2020 as organized by All India Council for Technical Education (AICTE).
6. Participated in national workshop Development of Teacher's e-Kit- Chemistry organized by Guru Angad Dev Teaching Learning Centre, SGBT Khalsa College, University of Delhi under PMMMNMTT of MHRD held on 21st April 2020
7. Participated in One day workshop on “Revised NAAC Methodology” organized by Internal Quality Assurance Cell (IQAC), Maharashtra Institute of Technology, Chhatrapati Sambhajinagar held on 27th June, 2019
8. Participated in one day workshop on NPTEL organized by Madras IIT, at CSMSS college Chhatrapati Sambhajinagar held on 1st Dec. 2018

9. Attended one day workshop on Rural Water Supply Scheme organized by Department of Agriculture Engineering, Maharashtra Institute of Technology, Chhatrapati Sambhajanagar held on 28th March 2018.
10. Attended One Day Workshop on Food Safety organized by Department of Agriculture Engineering, Maharashtra Institute of Technology, Chhatrapati Sambhajanagar held on 22nd Feb. 2018.
11. Attended workshop on 'Time Management' at Maharashtra Institute of Technology, Chhatrapati Sambhajanagar held at Maharashtra Institute of Technology, Chhatrapati Sambhajanagar on 8th June 2017.
12. Participated in two days IPR workshop on Indian Patent: A Comprehensive Outreach at Dr. BAMU, Chhatrapati Sambhajanagar (held on Mar. 14th, 15th 2017)

STTP (Short Term Training Programme)

1. Completed One Weeks Short Term Training Programme through ICT Mode on Thesis and Research Paper Writing organized by National Institute of Teachers Training and Research (NITTTRK), Kolkata from 21st Feb to 25th Feb, 2022.
2. Completed Two Weeks Short Term Training Programme through ICT Mode on Research Methodology and Data Analytics organized by National Institute of Teachers Training and Research(NITTTRK), Kolkata from 5th July to 16th July, 2021.
3. Completed Short Term Training Programme through ICT Mode on Laboratory Safety Management organized by NITTTR, Kolkata from 27th April 2020 to 1st June 2020.
4. Completed one-week STTP entitled 'Use of ICT for effective teaching learning process' at Maharashtra Institute of Technology, Chhatrapati Sambhajanagar from 27th June to 1st July 2017.

FDP (Faculty Development Programme)

1. Attended faculty development programme on "Global Business Foundation Skills", a Corporate Social Responsibility initiative conducted by Infosys BPM Ltd. At Pune from 23rd July to 31st July 2024.

2. Attended faculty development programme on Current Scenario in Advanced Material Research and Nanotechnology organized by Department of Physics. Rajapalayam Rajus' College, Rajapalayam between 14th Nov. to 18th Nov. 2022.
3. Attended faculty development programme on Exploring New Frontiers in Chemical and Biological Science organized by Marian Star Centre, Department of Chemistry, St.Mary's College (Autonomous), Thoothukudi sponsored by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi held between 31st Jan 2021 to 5th Feb 2022.
4. Attended faculty development programme on Outcome Based Education Software organized by vmedulife software services held on 11th June 2020
5. Attended FDP on Research Opportunities In Chemical and Petroleum Engineering organized by Department of Petroleum Engineering Dhanish Ahmed College of Engineering, Chennai held on 19th May 2020
6. Attended national FDP Role of Chemistry in COVID-19 organized by Department of Chemistry, School of Basic Sciences, Vels Institute of Science, Technology and Advanced Studies (VISTAS) held on 13th May 2020
7. Attended FDP- Development of higher education in India: An overview GAD-TLC 2020 organized by Guru Angad Dev Teaching Learning Centre, SGBT Khalsa College, University of Delhi under PMMMNMTT of MHRD held on 9th April 2020
8. Completed one week Faculty Development Program- TALE2: Course Design and Instruction of Engineering Course organized by NPTEL, IISC Bangalore from July to Sept 2019
9. Attended one week Faculty Development Program on "Advanced Analytical Testing and Characterization" organized by Department of Plastic and Polymer Engineering, Maharashtra Institute of Technology, Chhatrapati Sambhajnagar from 2 July 2018 to 7 July 2018.
10. Attended one month residential Induction Training Program conducted by Teaching Learning Centre, Indian Institute of Technology Bombay, from 28 November 2017 to 20 December 2017.

11. Attended Faculty Development Program on Great to Greatness- Knowing Yourself organized by HR department, Maharashtra Institute of Technology, Chhatrapati Sambhajanagar held on 5th Feb. 2018.

Conference

1. Attended Web Conference on Green Catalysis and Material Chemistry organized by IQAC and Dept. of Chemistry, Anandibai Pradhan Science College, Nagothane, Raigad held on 27th May 2020.
2. Attended national conference on Applications of quantum chemistry organized by IQAC and Department of Chemistry, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi held on 3rd May 2020.
3. Attended two days 2nd National Conference on Materials for Advanced Technology and Application [MATA-2019] at Maharashtra Institute of Technology, Chhatrapati Sambhajanagar held on 22nd and 23rd Aug. 2019.
4. Attended two days international conference on Materials and Environmental Science [ICMES 2018] at Shivaji University, Kolhapur held on 7th and 8th Dec. 2018.

Webinar

1. Attended national webinar on “Digital marketing” Annamalai Innovation and Incubation Research Foundation - EDII, Annamalai University, Chennai on 29th June 2021.
2. Attended national webinar on “An overview of oxygen generation methods” presented by Dr. D. Jagdishan, SO/F, IGCAR Organized by ISHRAE, Kalpakkam Chapter & Mohamed Sathak A J College of Engineering, Chennai on 23rd May 2021.
3. Attended national webinar on “IQAC coordinators meet” Organized by Mastersoft ERP Solutions Pvt. Ltd. Nagpur on 18th May 2021.
4. Attended national webinar on “New Way of Effective Teaching Learning” Organized by Department of Electronics and Telecommunication Engineering on 17th September 2020.

5. Attended national webinar on “Planning for Online Instruction” Organized by NITTTR, Bhopal on 21st August 2020
6. Attended national webinar on Computational chemistry- A Modern chemist’s tool organized by Department of Basic Sciences and Humanities and ACS student chapter of K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai on 23rd July 2020.
7. Attended national webinar on Energy and Environment: Challenges & Opportunities organized by Basic Sciences and Humanities Department, Maharashtra Institute of Technology, Chhatrapati Sambhajanagar held on 5th June 2020.
8. Attended Webinar on Water Proofing Techniques organized by Department of Civil Engineering, PCET’s Pimpri Chichwad college of Engineering held on 25th May 2020

Educational Summit

1. Attended two days educational summit on Outcome Based Education (OBE) and National Assessment and Accreditation Council (NAAC) organized by master soft India in association with IQAC Maharashtra Institute of Technology (an autonomous institute) Chhatrapati Sambhajanagar on 14th, 15th May 2021.

Symposium

1. Participated in International Symposium entitled “What paradigm shift can we expect in materials chemistry in the next decade? – From fundamentals to translational research (MCFTR-2022)” organized by Department of Chemistry, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India conducted on 29-30th March, 2022.

Papers in National /International Conference Proceedings

1. Presented Paper in two days 2nd National Conference on Materials for Advanced Technology and Application [MATA-2019] at Maharashtra Institute of Technology, Chhatrapati Sambhajanagar on 22nd and 23rd Aug. 2019. Dielectric behaviour of Cr substituted cobalt ferrite nanoparticles presented by B. G. Toksha, A. C. Gurav, S. E. Shirsath, T. P. Kulkarni, M. N. Mangulkar, K. M. Jadhav
2. Poster presented at two days international conference on Materials and Environmental Science [ICMES 2018] at Shivaji University, Kolhapur. 'A study on deterioration of Water quality at Godavari River due to Immersion of Deity Idols' presented by A. C. Gurav, P.D. Ghodke, T. P. Kulkarni, B. G. Toksha, held on 7th and 8th Dec. 2018.

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
Jan 2020	April 2020	12	NBA Accreditation and Teaching - Learning in Engineering (NATE)	94	Continuous online assessment score
29 July 2019	20 Sept 2019	8	TALE2: Course Design and Instruction of Engineering Course	55	Successfully Completed
25 Feb 2019	Apr 2019	8	Plastic Waste Management	63	Elite Silver
25 Feb 2019	22 Mar 2019	4	Teaching and Learning in Engineering (TALE)	46	Successfully Completed

Date: 20/04/2025

Place: Chhatrapati Sambhajnagar