

Curriculum Vitae

Name: Aarti Mulay



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Date of Birth: 16 June

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/C GPA	Class
Ph.D.	Chemical Engg	ICT, Mumbai	Mumbai University	pursuing		
M. Tech.	Chemical Engg	UDCT	North Maharashtra University, Jalgaon	2011	8.05/ 10	Distinction
B.E.	Chemical Engg	JNEC	Marathwada University	1992	63	First

M. Tech. Project: Microwave reactions study and their characterization

Ph. D. Research: Process Intensification of esterification reactions

Key Research Areas: Process Intensification, kinetics

Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	Maharashtra Institute of Technology	Assistant Professor	May 2006-till date		15 yrs 2 months
2	Maharashtra Institute of Technology	Lecturer	June 2005-May 2006		01
3	Jawaharlal Nehru Engg College	Lecturer	1996 - 2004		8 yrs
4	Formula Lubricants, Waluj	Process Engineer	1993-94		1 yr

List of Courses Taught/Teaching at UG level

Plant Design, Process Calculations, Mass Transfer, Mechanical Operations, Heat Transfer, Polymer Reaction Engg

List of Courses Taught/Teaching at PG level

NA

Additional Assignments/Duties

- Worked as Understudy for BAMU exams Nov/Dec 2020
- Working as Member Secretary of Internal Complaints Committee since Sept 2020
- Worked as Convener for project Competition 'Techno-MIT' in Oct 2019
- Worked as departmental Co-ordinator for AVISHKAR, project competition since 2018
- Worked as Central Academic monitoring committee member 2016, 2017, 2018, 2019
- Worked as Mentor for GIZ-MASSIA projects in Dec 2018-Feb 2019
- Worked as academic co-ordinator PPE in 2014 and 2016-17
- Working as member for Internal complaint committee since 2018
- Worked as Central Co-ordinator for Dr. BAMU correspondence and University Affiliation in 2015-16 and 2016-17
- Worked as Chairman of EDP cell during 2015-16 and 2016-17
- Worked as Central class test Co-ordinator during 2016-2018
- Worked as member of DSY admission committee 2017

- Worked as Chief Superintendent for Dr.BAMU exams in May 2016 examinations
- Worked as member of recruitment committee in July 2015
- Worked as Chairman for AICTE-CII survey of Industry in 2015
- Worked as Training and Placement Officer of institute for July 2009 to Dec 2014
- Nominated for conduct of industry institute stakeholders meet organized by CSE dept at Pune on 23rd Aug 2014
- Worked as Dr.BAMU exam vigilance committee member in Nov/Dec 2007

Membership of Professional Bodies

- Life member of ISTE
- Member of International Society for Research and Development

Research Projects/Projects Guided

Guided projects at UG level

Computer/Software Proficiency

- MS-Office
- ISIS
- Sigma Plot
- Origin-pro
- Photoshop

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

1. Participated in Teachers Training Programme conducted by MCED Aurangabad in August 1996.
2. Participated in “ Blue Prints of Success”, a workshop by Shiv Khera in Feb 2003.
3. Participated in “Modelling and Simulation in Chemical Engg” workshop at MAE,Pune in June 2009.
4. Participated in Faculty Interaction Workshop by Cognizant Technologies, in Sept 2009.
5. Participated in ‘SAMVAAD 2012’, TPO meet at Infosys on 4th April 2012.
6. Participated in ‘Conference on Manufacturing Excellence’ on 13th Dec 2012 at Aurangabad.

7. Participated in two weeks ISTE workshop on Fluid Mechanics conducted by IIT Kharagpur from 20th-30th May 2014.
8. Participated in two days workshop on ' Science writing & Journalism' on 25-26th Feb 2015 conducted by Rashtriya Vigyan Evam Prodyogiki Sanchar Parishad & Vijnana Bharati, Pune
9. Participated in 3 days faculty development Program on 'Cyber Security' conducted in MIT,Aurangabad on 28 Jan,4 Feb and 11 Feb 2017.
10. Participated in 2 days workshop on "Analytical Instrumentation and characterization" at Institute of Chemical Technology, Mumbai on 21-22 Feb 2017
11. Attended faculty development program on "Outcome Based Education & NBA Process" (July 9-14, 2018) at Maharashtra Institute of Technology, Aurangabad.
12. Attended workshop on "Outcome Based Education" (December 4-5, 2017) at Maharashtra Institute of Technology, Aurangabad.
13. Attended Faculty Development Program on 'Advanced Analytical Testing and characterization' from 2-7 July 2018 at Maharashtra Institute of Technology, Aurangabad.
14. Participated in Online Faculty Development Program on 'Effective Use of ICT Tools in Online Teaching' organized by IQAC & Department of Electronics and Telecommunication Engineering Department'; Maharashtra Institute of Technology from 22 June to 4 July 2020
15. Participated in Online Faculty Development Program on 'NBA Accreditation of Engineering Programs' organized by NITTTR, Chandigarh from 11 May to 15 May 2020
16. Participated in seven days National Online workshop on 'Research Methods and Techniques" organized by Ramanand Arya D.A.V. College from 4 May-10 May 2020
17. Attended Two week Online Course on 'Art and Skills for Effective Teaching (ASET) organized by Saveetha Teaching Learning Centre from 25.05.2020 to 06.06.2020
18. Participated and completed AICTE Training and Learning (ATAL) Academy Online FDP on '3D Printing & Design' from 14-18 Sept 2020 by Bharati Vidyapeeth College of Engineering.
19. Attended 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 18 January, 2021 to 22 January, 2021.

20. 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, Aurangabad on 29th May 2021

21. Completed ‘Excel Skills for Business: Intermediate I’ an online non-credit course on 15 Nov 2020 authorized by Macquarie University and offered through Coursera

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

1. Convener for ‘Techno-MIT 2k19’ a project competition organised on 4-5th Oct 2019
2. Treasurer for National Conference ‘Materials for Advanced Technology & Applications’ MATA-2019 organised on 22-23rd August 2019
3. Organizing Secretary at National Conference ‘Materials for Advanced Technology & Applications’ MATA-2016 organised on 20-21st Sept 2016.
4. Organizing committee member for National Conference on “Recent Advances in Polymers on 17-18 Aug 2010
5. Organizing committee member for National symposium ‘Polyxplore’ on 1-2 March 2011.

Invited talks delivered

1. Presented a lecture on ‘Rotomolding’ at MITCON in Oct 2012

Projects, Research Grants and Consultancy

1. Mentor for industry project “Design and Development of Primary Effluent Treatment for Electroplating Industry’ for Shriram Industries under GIZ-MASSIA. Received a grant of Rs. 10,000/-
2. Carried out consultancy for Paschim Chemicals for Industry pollution load in Dec 2005. Consultancy worth Rs. 34000/-

List of Research Publications

Papers in National/ International Journal

1. Research article on ‘Microwave-assisted heterogeneous esterification of dibutyl maleate: Optimization using Response Surface Methodology’ published in Chemical Data Collections, vol 34 (2021)
2. Research article on ‘Kinetics of ultrasound assisted esterification of maleic acid and butanol using heterogeneous catalyst’ accepted in International Journal of Chemical Kinetics’ on 4th Sept 2020

3. Research article on 'Esterification of maleic acid and butanol using cationic exchange resin as catalyst' in Journal of Chemical sciences; vol 129, No.11, November 2017
4. Article published in IPI journal Aug 2013 vol 18 'Product Design and Mould Manufacturing by Re-Engg'
5. Article published in Journal of Polymer & Composites vol 3, No 1 (2015) titled 'Comparative Analysis of blend of virgin PVC and NBR with recycled PVC and NBR'
6. Article published in International Journal of Polymer Science and ,2016, Vol. 2: Issue 1' Isolation and Characterization of Tamarind Seed Polysaccharides Being Used as a Biopolymer in Modern Drug Delivery System

Papers in National /International Conference Proceedings

1. Presented research paper' Esterification of maleic acid and butanol through cationic exchange resin' in 'Asia-Pacific congress on catalysis' held on 17-21 Jan 2017 in Mumbai
2. Presented a paper'' Green chemistry approach to condensation of heterocycles by microwave reactions- A review'' in National Conference on Environmental Innovations for Resource sustainability at NMU, Jalgaon in Feb 2011
3. Presented a paper''Green chemistry approach by microwave irradiation'' in International congress of environment research at surat on 15-17 Dec 2011.
4. Presented a paper in National Conference NCRAP, MIT in Aug 2010

NPTEL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
Feb 2019	March 2019	4	Teaching and Learning in Engineering (TALE)	52	Successfully completed
Jan 2018	March	4	Introduction to Research		Elite

Date: 20 July 2021

Place: Aurangabad