

CV of Dr. Anuprita Bhosale

Dr. Anuprita Vijay Bhosale
Assistant Professor
Veermata Jijabai Technological Institute-VJTI Matunga, Mumbai 40019 India
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Education:

Degree	School /College /University	Month and Year	CGPA/Marks
PhD	Veermata Jijabai Technological Institute, Matunga	2026	
M. Tech. CAD/CAM	Vellore Institute of Technology, Chennai.	May 2016	8.36/10
B.E. Mechanical Engineering	Shivaji University	May 2013	67.65%

PhD Thesis Innovative Pla Nanocomposites: Evaluating The Synergistic Effects Of Titanium Dioxide And Carbon Black For Smart Packaging Solutions

M. Tech. Thesis: CFD analysis on heat transfer enhancement and pressure drop reduction in a tube fitted with rectangular cut twisted tape (Prof. R. Sivakumar)

Principal Fields of Interest:

- Polymer nanocomposites
- Computer Aided Design and Modelling,
- 3D Printing-Additive
- Project Management
- Machine Design

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Experience: Total 3 Years (till date)

Position	Employer	Beginning	Ending
Assistant Professor	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	26.12.2021	22.12.2022
Assistant Professor	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	01.02.2021	31.05.2021
Assistant Professor	Datta Meghe College of Engineering (DMCE), Airoli, Navi Mumbai, India	01.01.2020	31.05.2020
Assistant Professor	Saraswati College of Engineering (SCOE), Kharghar, Navi Mumbai, India	08.08.2018	20.06.2019
Assistant Professor	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	01.01.2018	31.05.2018
Assistant Professor	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	01.07.2016	31.11.2016
Visiting Professor	Institute of Chemical technology	12/12/2022	30/5/2022
Visiting Professor	Institute of Chemical technology	12/12/2024	30/5/2025

Teaching Experience: Courses Taught from 2016 to 2022 academic years for even and odd semester of Undergraduate and Graduate Student

- Engineering Mechanics,
- Project management,
- Computer Aided Design laboratory,
- Engineering Machine Drawing,
- Machine Design
- World Class Manufacturing
- Measurements and control system

Research and Publications: Total Publications: 05

Papers Published in International Journals	3
Papers Published in International Conferences	1
Papers Published in National Conferences	1
Short Term Courses Attended (1-2 week)	2

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Publication List of Anuprita Bhosale till June 2026

Peer reviewed Journal and Conference publications

1. Bhosale, Anuprita & Raut, D.N. & Suryawanshi, Vinod & Khalate, Masidd. (2025). Poly lactic acid (PLA)/metal oxide nanocomposites for sustainable packaging and biomedical applications: a review. *Polymer Bulletin*. 83. 10.1007/s00289-025-06220-5.
2. Bhosale, A., & Raut, D. (2025). PLA/Carbon Black nanocomposite films toward active and intelligent food packaging. *Journal of Technology*, 16(6). doi.org
3. **Anuprita Bhosale**, K Karunamurthy, R Sivakumar (2015), *CFD analysis on heat transfer enhancement and pressure drop reduction in a tube fitted with rectangular cut twisted tapes* International Conference on Technological Convergence for Information, Health, Food, Energy Security Volume 1
4. Ketan More, **Anuprita Bhosale**, (2019), *Fabrication of wheel operated pesticide sprayer*, International Journal of Scientific & Engineering Research Volume 10, Issue 5, May-2019 ISSN 2229-5518
5. **Anuprita Bhosale**, Davidson J, R Sivakumar, (2020), *Air flow analysis of 20 hp three phase induction motor* international conference on Applications in Computational Engineering and Sciences

Patents –

- Patent granted for “CARBON BLACK NANOPARTICLE-BASED BIOLUMINESCENT PROBES FOR EARLY CANCER DETECTION”
- Patent granted for BIODEGRADABLE PLA NANOCOMPOSITE FOOD QUALITY MONITORING DEVICE
- **National/International Conference Organized:**
 1. National Conference on sustainable Manufacturing and Waste Management (NCSMWM-2019) organized by Saraswati College of Engineering, Kharghar, Navi Mumbai on 16th April 2019

Short Term Programs Attended: 5

1. Participated in the Internal Quality Assurance cell Online Sessions conducted by Datta Meghe College of Engineering, Airoli, Navi Mumbai during May 2020
2. Attended One week workshop of lecture series on “Application of industrial Engineering in Manufacturing and infrastructure” conducted by Datta Meghe College of Engineering, Airoli, Navi Mumbai during May 2020
3. Attended Webinar on “Virtual labs: Effective tool for teaching and learning” organized in association with AICTE and virtual labs during July 2020
4. Attended webinar on “Heat transfer and fluid flow simulation for heat exchanger unit using ANSYS Fluent” on 8th Mat 2020 conducted by FCRIT, Vashi, Navi Mumbai
5. Attended Online Faculty Development Program on “Renewable energy sources: A way head” conducted by Cummins College of Engineering, Nagpur during 15th May- 21st May 2020