

PERSONAL DETAILS & CONTACT

Name: Prachi Dabhade

Email: prachisd012@gmail.com

Phone: +91 8329274989, 9665279249

Location: Nagpur, Maharashtra, India

EDUCATIONAL QUALIFICATION

NAME OF THE DEGREE	SUBJECT	PERIOD
Post doctorate	--	--
Doctor of Philosophy	--	--
Master of Science (M.E.)	Biotechnology	2018-2020
Bachelor's in Science (B.Tech)	Biotechnology	2014-2018
Higher Secondary Education (HSC)	Phy, Chem, Maths, Bio	2012
Secondary School Education (SSC)	Maths, Science, social studies, languages.	2010

PROFESSIONAL EXPERIENCE

INSTITUTE	POST + FUNDING SOURCE	NAME OF THE ASSIGNMENT	PERIOD
Central India Institute of Medical Sciences, Advanced Research Centre, Nagpur	Project Associate	1. CCRAS Ministry of AYUSH, Govt of India sanctioned project Title: Evaluation of Cow urine distillate as a bioenhancer to increase efficacy of Anti TB drugs against MTB infection. 2. Other outsourcing projects based on drug cytotoxicity, cell based assays and invitro analysis.	January 2025-present
Rajiv Gandhi Biological Technology, Laxminarayan Innovation Technological University, Nagpur.	Assistant Consultant	Worked for advisory service availing for microbiological testing, organic farming. Monitor laboratory practicals, project/ training and Research publications for post graduate students.	April 2024 - Dec 2024

AutoStem Laboratories Pvt Ltd., Chennai	<u>Dissertation</u> : Isolation and Characterization of Adipose Derived Stem cells and Trans differentiation into Osteoblast Precursors.	Advanced Diploma in Stem Cell and Regenerative Medicine	February 2024 - August 2024
Datta Meghe Institute of Higher Education and Research, Wardha	Project Associate	1. Worked on DRDO funded-IIT Kharagpur- DMIHER collaborative project 2. Assisted IISc Bengaluru-DMIHER collaborative project 3. Cellink bioprinting collaborative project. <i>Project domain</i> : Clinical case study, 3D-Bioprinting, Tissue Engineering 4. Worked on Research Publications.	September 2021- April 2024
BITS, Pilani	Teaching Assistant	Assisted Professors and Research Scholars in Lab experiments, technical and scientific tasks.	August 2018 – March 2020

RESEARCH & TECHNICAL EXPERTISE

- Animal cell culture:
Technical skills utilizing the aseptic techniques extending for Cell culturing, maintenance, cryopreservation and cell revival. Analytical skills including Microscopy and Cell based assays. Documentation work for proper result analysis, incorporating effective troubleshooting and protocol optimization.
- Cancer Biology:
Maintenance of cancer cell lines, Sub culturing, cryopreservation, and cell revival; Cytotoxicity and cell viability assays, Microscopy and imaging; Cell migration assay; Apoptosis and cell cycle assay- Flow cytometry.
- Molecular biology:
DNA/ RNA handling, Gel electrophoresis; Gene expression analysis- PCR, RT-PCR; Protein assays- SDS- PAGE, Western blotting, ELISA.
- 3D Bioprinting.
- Research Publications (Orcid ID: <https://orcid.org/0000-0002-2259-3404>)

PUBLICATIONS

SR. NO	TITLE	AUTHOR LIST	JOURNAL	YEAR	IMPACT FACTOR	TYPE
1.	Highly interconnected Ti6 Al4VAl foam with Tailorable pore architecture and mechanical property by powder processing for skeletal tissue ingrowth	Pravin Vasudeo Vaidya, Venkata Sundeep Seesala, Rahul Gautam Talukdar, Asmita Biswas, Subhodeep Jana, Mukesh Kumar Yadav, Ragavi Rajasekaran, Nantu Dogra, Trina Roy, Sayan Mukherjee, Ashutosh Bagde, Prachi Dabhade, Zahiruddin Quazi Syed, Punit Fulzele, Sanjay Gupta, Tapas Kumar Bandyopadhyay, Santanu Dhara*	Advanced Engineering Materials	2025	3.6	SCIE
2.	Utilization of Nanomaterials in Bioimaging and Cancer Theranostics.	Prachi Dabhade, Ashutosh Bagde, Zahiruddin Quazi Syed, Punit Fulzele	IOP Conference Series: Materials Science and Engineering	2022	0.583	Scopus / conference proceedings
3.	Computational drug designing and drug discovery approach in drug repositioning: A review	Prachi Dabhade, Aditi Bharadwaj; Ashutosh Bagde; Prashant Shende	AIP conference proceedings	2024	0.41	Scopus / conference proceedings
4.	Biosensors: An innovative approach in tissue engineering	Aditi Bharadwaj; Prachi Dabhade; Ashutosh Bagde; D. Y. Shahare; Sandip Khedkar	AIP conference proceedings	2024	0.41	Scopus / conference proceedings

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SR. NO	TITLE	APPLICANTS	AUTHORS	JOURNAL	YEAR
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CONFERENCES AND WORKSHOPS ATTENDED

SR. NO	TITLE	VENUE	ORAL/POSTER	AWARDS	YEAR
1	Case study for use of 3D printing for Cranioplasty.	DMIHER, Wardha	Additive Technology Enhancement Program (ATEP) funded by National Centre for Additive Manufacturing (NCAM)	Delivered Guest Lecture	Feb 2024

ANY OTHER AWARDS RECEIVED

SR. NO	TITLE	AWARDS	YEAR
1	Utilization of Nanomaterials in Bioimaging and Cancer Theragnostic.	Best Paper Award under Materials Track, ICAME conference, GHRCE, Nagpur	2022

LIFE MEMBERSHIPS

- Pratibha Shakti ([Shakti Bharat](#))
- Oxford speakers' academy, Nagpur (<https://oxfordindia.com/>)

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