

 <p style="text-align: center;">Photo</p>	Name	Dr. Tejashree Bhave
	Designation	Associate Professor Chairman, Doctoral Research Committee Vice President, Institute Innovation Council
	DOB	05-10-1967
	Highest Qualification	Ph.D.
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Research Interest and Expertise : Nano Materials for photovoltaic and biomedical applications, Microfluidic devices , Nano Scale Devices, Sensors

Academic record starting with graduation :

Degree	College / University / Institute	Year of Joining	Year of Leaving	Percentage	Class / Division
B.Sc.(Electronic Science)	S.P. College, Pune	1985	1988	73%	First Class with Distinction
M.Sc.(Physics)	Dept. of Physics, University of Pune	1989	1991	65.25%	First Class
Ph.D.(Physics)	Dept. of Physics, University of Pune	1992	1998		

Professional Experience (Institution, Position and Period)	
1	Department of Physics, University of Pune Lecturer in Physics Dec 1999 - Dec 2000
2	CSIR, New Delhi Research Associate Jan 2001 - March 2005
3	Center for Interdisciplinary Research, Tohoku University, Japan (on leave from CSIR) Post Doctoral Fellow Oct. 2001 - March 2002
4	INFN, Frascati, Italy(on leave from CSIR) Visiting Scientist Feb 2005-March 2005
5	Department of Electronic Science, University of Pune Assistant Professor in electronic Science March 2005- March 2010
6	Department of Applied Physics, DIAT(DU) Assistant Professor March 2010 – To Date

Publications Details:

Total Publications : 57
h-index : 14

Citations : 731
i-10 Index : 18

Details of five best recent papers

1. Computational fluid dynamic analysis of poly (dimethyl siloxane) magnetic actuator based micromixer, N Veldurthi, S Chandel, T Bhave, D Bodas, Sensors and Actuators B: Chemical 212, 419-424, (2015)
2. Low temperature and controlled synthesis of Bi₂(S_{1-x}Se_x)₃ thin films using a simple chemical route: effect of bath composition, MM Salunkhe, KV Khot, SH Sahare, PN Bhosale, T Bhave, RSC Advances 5 (70), 57090-57100 (2015)
3. Photon assisted conducting atomic force microscopy study of nanostructured additives in P3HT:PCBM, RSC Advances 5(124):102795, DOI 10.1039/c5ra20266c, Sanjay Sahare, Naresh Veldurthi, Suwarna Datar, Tejashree M. Bhave (2015)
4. Segregation of nanoparticles by electrophoretic deposition technique: A mathematical model and its validation, Powder Technology 329:323-331, DOI 10.1016/j.powtec.2018.01.039, Sukratu Barve, Harshada A. Babrekar, Tejashree M. Bhave, S.V. Bhoraskar, (2018)

5. Magnetically active micromixer assisted synthesis of drug nanocomplexes exhibiting strong bactericidal potential, N Veldurthi, P Ghoderao, S Sahare, V Kumar, D Bodas, A.Kulkarni, Tejashree Bhawe, Materials Science and Engineering: C 68, 455-4643. (2016)

Patents details

1. Bhawe TM, Bodas, D., Kumar, NV, Sahare, SH and Chandel, S., “Device and Process of Making Nano-particle Drug Complexes”, Patent No. 384046

Sponsored Projects : Completed Projects : 7

(Last Five Years)

Funding Agency	Project Title	Amount	Duration	PI Details
ER-IPR, DRDO	Large Scale, High Quality Nanomaterial Synthesis for Defence applications: Coatings, Devices and Healthcare	Rs. 43,00,00,000 /-	April 2012- March 2017	Prof. S.N. Kale, PI and Dr. T. Bhawe and 6 other Co-PIs
Department of Biotechnology(DBT)	‘Rifampicin and isonoazid complexes formed with nanoparticles for inhibition of growth of multidrug resistant Mycobacterium tuberculosis; with the aim of lowering the current minimum inhibitory concentration(MIC) as well as method of administration’	Rs. 69,00,000/-	Sept 2010- August 2013	Dr. Sonali Sanghavi, KEM Hospital Research Center Dr. Tejashree Bhawe, DIAT and Dr. Anjali Kulkarni, Nucleus Solutions

Supervisor to Ph.D. Students (Ph.D. Completed) : 6

Supervisor to Masters Students : 45

Awards/Scholastic Achievements

S. No.	Title of the Fellowships/Awards	Date of award	Awarding Agency	Whether level International/ National
1	CSIR Senior Reasearch Fellowship	Sept. 1996	CSIR	National
2	CSIR Research Associateship	Jan. 2000	CSIR	National
3	Dr. R. K. Bhalla Best Research Student Award	Oct. 1998	Indian Physics Association, Pune Chapter	National
4	Science Day Oration Commendation	Feb 2016	DRDO	National
5	Best Research Facility Award	April 2014	DIAT	Institute