

Prof. Dr. Pravin N. Nikam

Qualification: M.Sc., B.Ed., Ph.D. (Physics)

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➤ Careers Highlights:

- Ph.D. pursued from Institute of Chemical Technology, Matunga, Mumbai. (NAAC: A++, Renowned Institute)
- Awarded a competitive Jr. and Sr. research UGC fellowship by Gov. of India for Ph.D. work.
- Best oral presentation award in national conference “ Rangotsav- Advances in polymer and coating” on February 2013 at ICT, Mumbai, India.
- Awarded Shri G.M. Abyankar Presentation award for research paper presentation received from ICT Mumbai.
- Paper Setter for Engineering Physics and Applied Physics subjects in Usha Mittal Institute of Chemical Tehcnology, SNTD Women’s University, Santacruz, Mumbai.

➤ Teaching Experience: (10 Years)

Institute / Organization	Designation	Period of Appointment
K.C. College of Engineering and Management Studies and Research, Thane	Assistant Professor	1 st January 2026 to till date
Usha Mittal Institute of Technology, SNTD Women’s University, Santacruz, Mumbai,	Assistant Professor	March 2021 to December 2025
Institute of Engineering SAGE University, Indore (MP)	Assistant Professor	July 2019 to December 2019.
SIWS Degree College, Wadala, Mumbai	Lecturer	June 2006 to May 2007 June 2008 to May 2009
SIWS Junior College, Wadala Mumbai.	Teacher	Sept. 2004 to May 2007 June 2008 to May 2009.

➤ Qualifications:

Examination	University	Month and Year of Passing	Subjects	Class
Ph.D.	Institute of Chemical Technology, Matunga Mumbai.	March-2019	Physics (Material Science)	Awarded degree.
B.Ed.	Mumbai	April 2008	Science Maths	II
M.Sc.	Mumbai	March-2004	Physics	I

			(Electronics)	
B.Sc.	Mumbai	March 2002	Physics	II
H.S.C.	Mumbai div board	March-1999	Science Maths	II
S.S.C.	Mumbai div board	March-1997	All School subjects	I

➤ **Research Publication: (Citation: 42 and H-index: 3)**

1. Isothermal crystallization kinetics of PET/alumina nanocomposites using distinct macrokinetic models, Pravin N. Nikam, Vineeta D. Deshpande, *Journal of thermal analysis and calorimetry (Springer)*, 138,(2019), 1049-1067.
DOI: 10.1007/s10973-019-08192-x, ISSN: Print-1388-6150; Online- 1588-2926.
2. Thermal and tensile properties of alumina filled PET nanocomposites, Pravin N. Nikam, Vineeta D. Deshpande, *AIP conference proceeding*, 1953, (2018), 090058.
DOI: 10.1063/1.5032905, ISBN: 978-0-7354-1648-2
3. Dielectric behavior of plasticized PVC/alumina nanocomposites influenced with DC biasing field. Pravin N. Nikam, Vineeta D. Deshpande, *Materials today: Proceeding*, 5 (2018), 2254. DOI: 10.1016/j.matpr.2017.09.227, ISSN: 2214-7853
4. DC bias effect on alternating current electrical conductivity of poly(ethylene terephthalate)/alumina nanocomposites, Pravin N. Nikam, Vineeta D. Deshpande, *AIP conference proceeding*, 1728, (2016), 020225. DOI: 10.1063/1.4946276
ISBN: 978-0-7354-1375-7
5. Effect of concentration of nano-Al₂O₃ on mechanical and dielectric properties of plasticized poly(vinyl chloride) nanocomposites. Pravin N. Nikam, Sunita M. Pawde, *Int. J. Chem Tech Res.*, 6, (2014), 1757.
<http://sphinxesai.com/2014/vol6pt3/ch07.htm>, ISSN:0974-4290
6. Induced nanoparticles based poly(ethylene terephthalate) fiber strands, Sunita M. Pawde and Pravin N. Nikam, *Bharati vidyapeeth deemed University research journal*, 10, (2013), 31-39.

➤ **Conferences/Seminar/Symposium/ Faculty Development Program (FDP) / STTP:**

- 1) Participated in MMTTC collaborated and approved one week offline STTP (FDP) program on **IPR and Patent** under PM-USHA MERU Project organized by PV Polytechnic , SNDTWU, Juhu Campus, Mumbai, during July 28, 2025 - August 2, 2025.
- 2) Participated in AICTE –AQIS approved one week online STTP program on **Innovative and Inventive Problem Solving** organized by Department of Production Engineering AISSMS COE, Pune during 13 July 2021 to 18 July 2021.
- 3) Participated in webinar on “**Innovation in Technology adoption and development of high precision slipring: A case study**” organized by Department of Production Engineering and AISSMS COE Pune and Institution of Engineers (India), Kolkata Students Chapters in associated with Triz Association of Asia on 18th July 2021.

- 4) Participated in AICTE-ISTE approved Refresher Program (FDP) on **Innovative teaching and best practices** held during 23 Feb. 2021 to 01 Mar. 2021 organized by Karmaveer Bhaurao Patil College of Engineering Satara, Maharashtra.
 - 5) Participated in Two days Faculty training program on **Computational Physics** organized by Department of Physics, Karmveer Bhaurao Patil College, Vashi, New Mumbai, on 05-06th Feb. 2021.
 - 6) Attended and participated in Faculty development Program on VLSI Chip Design Jointly organized by Electronics and ICT Academies at IIT Guwahati, IIITDM Jabalpur, MNIT Jaipur and NIT Patna during 16 – 20 December 2019
 - 7) Paper presented in Second International Conference on Condensed Matter and Applied Physics (ICC-2017) organized by Government engineering college, Bikaner, Rajasthan, India during 24th and 25th November 2017. (Poster presentation)
 - 8) Paper presented in Second International Conference on Material Science (ICMS-2017) organized by Department of Physics, Tripura University (Central University), Suryamaninagar, Agartala 799022, Tripura, India, during February 16-18, 2017. (Poster presentation)
 - 9) Paper presented in International Conference on Condensed matter and applied physics organized by Government engineering college, Bikaner, Rajasthan, India, during October 30-31, 2015. (Poster presentation)
 - 10) Paper presented in International Conference on Material and characterization Techniques organized by School of advanced sciences, VIT University held at Vellore, Tamil Nadu, India during March 10-12, 2014. (Poster presentation)
 - 11) Paper presented in 6th National conference on Advances in polymers and coatings (Rangotsav) organized by Department of polymer and surface engineering I.C.T. Mumbai, India during February 15-16, 2013. (Oral presentation) (*Won the judges choice award*)
 - 12) Participation in 2nd National seminar on Physics of materials and materials based devices fabrication 2013, organized by Department of Physics, Shivaji University, Kolhapur (Maharashtra), India during January 4 -5, 2013. (Poster presentation)
 - 13) Paper presented in Second International Conference on Nanotechnology- Innovative materials process, products and applications organized by Bharti vidyapeeth, Pune, India, held on October 18-19, 2012. (Paper selected for oral presentation)
 - 14) Participation in National symposium on material and processing (MAP-2012) organized by material research society of India in association with BARC Mumbai, India, during October 10-12, 2012. (Poster presentation)
 - 15) Participation in Third World congress on Biotechnology conference organized by OMICS group at HICC, Hyderabad (A.P.), India during September 13-15, 2012. (Poster presentation)
- **Workshops:**
- 1) Participation in workshop on “Advanced Aspects of Spectroscopy” held on 30th November 2019 organized by department of Applied Science, SIRT, SAGE University, Indore (M.P.) (Supported by MPCST, Bhopal)

- 2) Participation in workshop on “Plasma processing of materials” held on 21st September 2016 organized by Department of Physics, I.C.T., Mumbai, India (supported by TEQIP).
- 3) Participation in workshop on “Emerging trends” held on 16th and 17th September 2016 organized by Department of Physics, I.C.T., Mumbai, India (supported by TEQIP).
- 4) Participation in workshop on “Modern Trends in Polymer Science and Technology” held on 3rd and 4th April 2013 organized by Department of Physics, I.C.T., Mumbai, India (supported by TEQIP).
- 5) Participation in Laboratory Safety workshop held on 20th and 21st March 2013 organized by Department of Chemistry, I.C.T., Mumbai, India and supported by TEQIP.
- 6) Participation in Laboratory Safety workshop held on 3rd and 4th February 2011 organized by Department of Chemistry, I.C.T., Mumbai, India and supported by TEQIP.
- 7) Participation in workshop based on Synthesis of Nanomaterials held on 23rd February 2010 organized by Department of Physics, University of Mumbai, India and sponsored by UGC-SAP.

➤ **Other Qualification :**

Computer course : MS-CIT Passed, Computer Hardware and Networking course

Computer platforms : Windows XP / 2007/2008/2010/2011

Computer knowledge : MS Word, Excel, and Power Point, WPS Office, Origin software for graph plotting and analysis.

Computer languages : C and C++.

Type writing : English 30 wpm passed.

Astrology courses : Jyotish Praveen, Jyotish Visharad, Jyotish Bhaskar.

➤ **Subject Taught:**

1. Applied Physics
2. Engineering Physics
3. Physics I and II
4. IPDC (Integrated Personality Development Course)

➤ **Personal Information:**

- **Marital Status:** Married
- **Children:** Two (Daughters)
- **Date of Birth:** 02nd June 1982.
- **Nationality:** Indian
- **Hobbies:** Tree Plantation, Reading, Playing Cricket and Carrom, Traveling and Astrology

➤ **References:** Available on request

Date: 29/04/2026

Dr. Pravin N. Nikam