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Designation : Assistant Professor
Specialization : Condensed Matter Physics (Solid State Physics)

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Other Details

Date of Birth	19-06-1964
Educational Qualifications	M.Sc., Ph.D.
Date of Joining	11/7/1989,
Academic Experience	30 years
Research Areas of interest	Solid State Physics
Expertise	Crstal Growth
Highlights of achievements	
No. of publications	06
No. of Books	
No. of Conferences	International: 01 National State:
No. of Invited Talks	
List of Publications (Appendix)	Appendix 1
List of Books Published	Appendix 2
List of Conferences	Appendix 3

List of Invited Talks	Appendix 4
No. of Ph.D. Produced	Nil
No. of Minor/ Major projects carried out	
Citations, h-index, i10 index	
Honors	
Highlights of achievements	

Appendix-I

- ❖ **Magnetic Susceptibility of Barium Hydrogen Phosphate(BHP)** ; Indian Journal of Pure and Applied Physics Vol.37,May 1999,pp.411- 412
- ❖ **DC and AC Conductivity of Barium Hydrogen Phosphate(BHP)** Cryst. Res. Technol. 35, 2000,5,615-624
- ❖ **Dielectric properties of Barium Hydrogen Phosphate (BHP)** ; Materials Science & Engineering B B77,(2000),131-134
- ❖ **IR Spectroscopy of Barium Hydrogen Phosphate;** Acta.mater (2001),2103-2107
- ❖ **Contribution of phonons to optical absorption in BHP Crystals.;** Proceedings of the 44th DAE Solid State Physics Symposium, December 26-30,2001 Solid State Physics (INDIA)Vol.44(2001)
- ❖ **Optical absorption in BaHPO₄ single crystals;** Scripta Materialia Volume 47, Issue 10 , 11 November 2002, Pages 643-647

Appendix-III

- ❖ **Raman Centenary National Seminar on study of Materials**-Gwalior, India, March 1989.
- ❖ **Fourth National Seminar On Crystal Growth** – Mysore, India, August 1989.
- ❖ **Workshop organized by Indian Association of Physics Teachers (IAPT)** at Department of Physics, Sardar Patel University, Vallabh Vidyanagar, Gujarat sponsored by INFOSYS FOUNDATION-BANGALORE, December 2004.
- ❖ **A century of Physics since 1905- Einstein's miraculous year** , Sep. 2005 PRL, Ahmedabad
- ❖ **IUAC(Inter University Accelerator Center, New Delhi,) ACQUAINTANCE PROGRAM FEB.24th,2006**, S.P.University V.V.Nagar
- ❖ **Annual Photonics Workshop organized by International School of Photonics & Centre of Excellence in Lasers and Optoelectronic Sciences** at Cochin University of Science and Technology (CUSAT), Kochi, India, 27 - 28 February,2006.
- ❖ **Microwave and its Application (Microwave-2007)** Jan,2007 Gujarat University, Ahmedabad
- ❖ International Workshop on **“Monsoon Climate Variability and Change, and Their Impacts on Water, Food and Health in Western India”** held at Nirma Institute of Science and Technology, Ahmedabad, Gujarat, India , Feb. 5-7,2007. Presented a paper entitled **“Optical Properties of Aerosols and Their Impact on Climate Changes”**
- ❖ National workshop on **“Light Scattering: Its Applications in Astrophysics and Other Fields”**, sponsored by Inter University Centre for Astronomy and Astrophysics(IUCAA), Pune and Gujarat Council in Science and Technology(GUJCOST), held on 7th November,2008 at Gujarat Arts and Science College, Ahmedabad
- ❖ National Seminar on : **“Nanotechnology: Today & Tomorrow”** held on 5th Jan, 2009 at Nirma Institute of Technology, Nirma University Campus, Ahmedabad.
- ❖ **Awareness Workshop of UGC-DAE Consortium For Scientific Research** held on 8th-9th January,2009 at Charotar Institute of Applied Sciences, Education Campus, Changa, Gujarat
- ❖ **Golden Jubilee Seminar in Physics** held on 20th January,2009 at Department of Physics, Sardar Patel University, Vallabh Vidyanagar celebrating its golden jubilee since its inception in 1959.
- ❖ **State Level Workshop on Communicating Science** held on 25th January, 2009 jointly organized by Indian Association of Physics Teachers (IAPT RC-7) & Gujarat Council of Science City, Ahmedabad at Gujarat Science City, Ahmedabad.
- ❖ **“One Day Workshop on Quantum Mechanics”** jointly organized by PRL(Physical Research Laboratory),INSA(Indian National Science Academy) and IAPT(Indian Association of Physics Teachers) at PRL on 5th Sep. 2009.

- ❖ **Training for Quality Improvement in Higher Education** MAY-2009 SPIPA(Sardar Patel Institute of Public Administration)
- ❖ Workshop on **“Atmospheric Science and Climate Change”** organized by Govt. Science College and ICCSIR(Indian Center for Climate and Societal Impact Research), Ahmedabad at ICCSIR, on Jan. 23-24-2010.
- ❖ One Day Workshop on 'Computers in Physics Lab' organized by IAPT (RC-7) and Gujarat Council of Science City at Gujarat Science City, Ahmedabad on 24th July,2011.
- ❖ One Day Seminar on ' Nuclear Technology for Raising Standard of Living' at C. C. Patel Community Science Center, Sardar Patel University, Vallabh Vidyanagar on 11th Sep.,2011.
- ❖ One Day Orientation Program for Training Taskforce Groups organized by Knowledge Consortium of Gujarat(KCG), Department of Education, Government of Gujarat at M. G. Science Institute, Ahmedabad on 1st October,2011.
- ❖ NAAC Sponsored One Day National Seminar on 'Nurturing Quality in Higher Education Through IQAC' organized by V.P. and RPTP Science College, Sardar Patel University, Vallabh Vidyanagar on 11th January,2014.
- ❖ One Day Workshop on 'Innovative Experiments in Physics' at Department of Physics, St Xavier's College, Ahmedabad on 9th March,2014
- ❖ **Delivered a Talk** entitled 'Semiconductors: An Indian Perspective' at 'Seminar on Physics in Medical Sciences' on 3rd August,2014 at Department of Applied Physics, Faculty of Technology and Engineering, M. S. University, Vadodara.
- ❖ Attended XXXI Annual Convention 2016, of Indian Association of Physics Teachers (IAPT) held at Kadi Campus, Gandhinagar between 20th and 23rd October,2016.

Achievements

- ❖ Member of the Editorial Board of '*Pragami Tarang*' (ISSN:23472782)-Annual Gujarati Publication of Articles on Physics and Related Areas .It is jointly published by IAPT(RC-7) and GUJCOST(Gujarat Council on Science and Technology, Gandhinagar).
- ❖ Editorial Board, Subject Expert nominated by Gujarat Text Book Board, Govt. of Gujarat., Gandhinagar to prepare an Encyclopedia for science students from Std 9th to 12th.
- ❖ Invited for evaluation of Part B (problem solving) answer papers of the National Standard Examination in Physics (NSEP) 2013-2014 at IAPT Central Exam Office, Pune, from 21 to 25th December 2013. NSEP is the first screening test in selection of Indian Team for the 45th International Physics Olympiad(IPhO), that was organized in Kazakhstan in July 2014.
- ❖ Invitation as a judge for Elocution competition to be held as a part of Science day celebration at Institute for Plasma Research-IPR, Bhat , Gandhinagar(An Autonomous institute of Department of Atomic Energy, Government of India) on 9-10th January, 2015
- ❖ Invitation to judge 'Vikram Sarabhai Elocution Competition'to be held as a part of National Science day Celebrations on 31st December,2015 held at C.C.Patel Community Science Center, Sardar Patel University, Vallabh Vidyanagar.
- ❖ Attended Exposure cum Preparatory Workshop on Experimental Problem Solutions held at Homi Bhabha Center for Science Education (HBCSE), TIFR, Mankhurd, Mumbai between 6th and 8th May , 2016.
- ❖ Participated as a Resource Person in the Summer Course in Experimental Physics -2016 at Homi Bhabha Center for Science Education (HBCSE), TIFR(Tata Institute of Fundamental Research), Mankhurd, Mumbai between 9th and 20th May , 2016.
- ❖ Member of the reviewing Committee for Std XIth and Std XIIth Textbooks of subject Physics published by Gujarat State Education Board under the guidance of Government of Gujarat to be implemented from 2017-18 and 2018-19

