

Rucha Desai, M.Sc. Ph.D. (Physics)

1. Present designation and affiliation: Dr. Rucha Desai,
Assistant Professor, Department of Physical Sciences,
P D Patel Institute of Applied Sciences, Charotar University of Science & Technology, CHARUSAT campus, Changa, Anand District, Gujarat 388421, India.
Contact : 09426596644
https://www.researchgate.net/profile/Desai_Rucha
2. **University Teaching Experience**
M.Sc. (Nanoscience and Technology) and M.Sc. (Physics) - 10 courses
Laboratory Handling Experience in the postgraduate course – 09 courses
3. **Research Experience (After Ph.D. – 2006 onwards)**
Broad area of research:
(i) *Optics* : Magneto-optical characterizations of magnetic fluids, optical device development, prototype for gravitational wave detector
(ii) Nanobiotechnology: Extraction of biomolecules using magnetic nanoparticles
4. **Publications/Patents** **Funded research project:**
Peer reviewed journals: 28 On-going: 01 (DST-SERB Sponsored)
Patent (applied): 03 (02 Completed: 02 (GUJCOST , DST-SERB Sponsored)
National, 01 PCT) Consultancy project: 01
5. No. of Students guided - UG, PG and Research
Ph.D. : 02 (01: Completed, 01: in progress)
Dissertation project : 22 (19: M.Sc. (Physics), 03: B.Sc. (Physics) Honors)
6. Foreign Countries visited (if applicable) Royal Institute of Technology, Sweden
National University of Singapore, Singapore
Tohoku University, Sendai, Japan
7. Other Notable Achievements like Awards, Publications, Fellowships, etc.
2016 INSA Visiting Scientist Fellowship
2014 Recourse person in the 57th Refresher course in Experimental Physics organized by Indian Academy of Science, Bangalore and Charotar University of Science and Technology, India (17th March – 2nd April)
2010 Best Paper Prize (for publication in the Bulletin of Materials Science) for the year 2010 given by Material Research Society of India.
2009 Fast Track Young Scientist award by Department of Science & Technology, Govt. of India
2008 Selected as Research Fellow B at National University of Singapore
2006 Sardar Patel Research Award for Best Research paper published in the category of student in Material Science and Nanotechnology
2006 Visiting Student Fellowship by Royal Institute of Technology, Sweden under Swedish-Asia Link Exchange Program
2003 Junior Research Fellowship by Department of Science & Technology, New Delhi, India