

Dr. Ramchandra Narhe, Ph.D.

Present position

- **Associate Professor**

Contact Details (Mention e-mail) – fergusson.edu or despune.org



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Work Experience

- **Teaching: 20 years**
- **Research: 32 years**

Personal Profile

- Continued collaboration since 2001 with Prof. Daniel Beysens, ESPCI ParisTech, Paris (France,) Prof. Daniel Beysens is world-wide well-known Scientist in the field of Dew and breath figures formation and microgravity. Also continued collaboration since 2008 with Prof. Wenceslao González-Viñas, Department of Physics and Applied Mathematics , University of Navarra, Pamplona (Spain)
- **Fifteen papers as first author** in journals such Phys. Rev. Letts., Phys. Rev E, Euro Phys. Letts , Langmuir, Surface science, J. Phys. Chem. B, European Physical Journal E, European Physical Journal Special Topics, Journal of Nanomedicine and Nanotechnology, Atmospheric Research, Int. J. Thermophysics etc.
- Two single Author papers in **Euro Physics Letters and European Physical Journal E**
- **Books:** *Natural Nanostructure Science and Technology* (Continental Publication)
- Nature science and Technology (to be publish soon)
- Many papers cited in many international books and Wikipedia for the Lotus effect.
- Research H index :13 and No of Citation :1681
- Wrote about **25 editorial** in Sakal Newspaper and journals on subject like energy, Environment, Climate change, Agriculture , Nanotechnology, Fuels, Health and Medicine, Science and technology
- **Delivered about 40 invited talks** at schools, colleges, national and international conferences
- Guided two Ph.D. students (as co-supervisor) at ESPCI Paristech Paris France and Department of Physics and Applied Math., University of Navarra, Pamplona Spain during 2005-2006 and 2008-10
- Worked as project guide for more than 200 graduate and undergraduate students.

Course(s) Taught (Only Titles)

Quantum Mechanics (I &II)	Classical Mechanics
Heat and Thermodynamics	Modern Physics
C programming	Numerical Analysis
Experimental Techniques in Physics	Nano science and Nanotechnology
Mathematical Methods in Physics	Waves and Oscillations
Electricity and Magnetism	Mechanics

Field of Specialization/Areas of Interests

Soft Condensed Matter, Wetting and De-wetting, Dew Formation, Heat and Mass Transfer	Nanotechnology, Super Hydrophobicity, Bio mimicry Water Harvesting, Phase Transition, Fluid Mechanics
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Education

- **Ph.D. – (Physics):** 1994-2001
Title of the Thesis: *Some Studies of Coalescence Phenomenon in Growth From Vapor Phase*
Name of University / Institution: Savitribai Phule Pune University (Formerly Pune University)
Year of Award: 2001
- **Master of Science:** 1993 (Physics)
University/College: P.V. P College, Pravaranagar, Dist : Ahamadnagar
- **Bachelor of Science- (subject name):** 1990 (Physics)
College, University, Place : Modern College, Pune

Fellowship/Awards/ Certifications/Achievements/Recognitions

1. 2019 **Maharashtra Sahitya Parishad Award** for Excellence in Science and Technology, Maharashtra Sahitya Parishad, Pune (Garmin)
2. 2009 **Dr. N. R. Tawade Award** for the Book “*Natural Nanostructure Science and Technology*”, Govt. Of Maharashtra
3. 2008 **Marie Curie International Incoming Fellowship , European Commission**
4. 2001-2006 Post-Doctoral Fellow, CEA-ESEME, ESPCI-CNRS, Paris, CNRS, France
Post-Doctoral Fellowship CEA-ESEME, ICMCB-Bordeaux, CNRS, France
5. 1997-2000 Senior research Fellowship, CSIR Govt. of India, India
6. 1994-1997 Junior Research Fellowship, DST, Govt. of India, India

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Member of Board of Studies of Modern College (Autonomous) Pune, and Fergusson College (Autonomous), Pune India	Life Member of and active researcher of OPUR (International Organization for DewUtilization Paris,France	Founder President of Interactive Research Institute for Science Education Pune (India)
	Member of Marie Curie Alumni Association (MCCA, Europe)	Reviewer of International journals like Langmuir, Experiments in Fluid and EuroPhysics Letters
	Life member of Vidnyan Bharati (India)	