



DR. RAVINDRA NAMDEV CHIKHALE

Associate Professor, Department of Physics, J. S. M. college,
Alibag - 402201
Dist: Raigad, India
Mobile: 9890011094
Email : chikhaleravi@gmail.com

Research Interests

Nano Materials, magnetic materials, electrical and dielectric materials, gamma irradiation.

Research Projects

Completed Minor Research Project Funded by Mumbai University.

Experience

- J. S. M. College, Alibag, since 19-6-2008. Present Designation Assistant professor, Department of Physics.

Administrative Responsibilities

- Member of college development cell (CDC)
- In-charge, Sports and Gymkhana committee, J. S. M. College, Alibag, Year 2022-23, 2023-24
- In-charge, Science Association committee, J. S. M. College, Alibag, Year 2022-23

Education

- NET (CSIR) – JRF
- SET
- GATE
- M.Sc (Physics) Department of Physics, University of Pune, Pune
- Ph.D. (Physics), Mumbai University

Skills

- Good hand in experiential techniques, Problem solving
- ICT enabled teaching.

Research Publications

List of Publications:

1. A Comparative Study: Impact of Different Artificial Light Sources on Human Being, RN Chikhale - Science and technology, 2018, Vol. 4, Issue 2, Pages: 962-965
2. Structural, morphological, and magnetic study of low temperature synthesized $\text{Co}_{0.75}\text{Ni}_{0.25}\text{Fe}_{1.95}\text{Dy}_{0.05}\text{O}_4$ nano ferrite: Ravindra N Chikhale*, S A Kanad eand Pushpinder G, : *Physica Scripta*, 2021, Volume 96, Number 4, Pages: 1-11, <https://dx.doi.org/10.1088/1402-4896/abdd53>
3. Low temperature rapid sol–gel auto-combustionsynthesis and structural, morphological andmagnetic study of nickel substituted cobalt nanoferrites: Ravindra N Chikhale*, SAKanade and Pushpinder G. Bhatia, : *Phase Transitions*, 2021, VOL. 94, NOS. 6–8, Pages: 511–526, <https://doi.org/10.1080/01411594.2021.1944630>
4. Tungsten tips of different diameters for STM prepared by electrochemical etching method: Ravindra N. Chikhale*, Vikas S. Shinde, : *Neuroquantology*, 2022, Volume 20 No 20, Pages: 840-846, DOI: [10.48047/NQ.2022.20.20.NQ109085](https://doi.org/10.48047/NQ.2022.20.20.NQ109085)
5. Influence of synthetic temperature on structural and magnetic properties of Dy substituted Ni nanoferrite, Vikas S. Shinde and Chikhale*, *Phase Transitions*, 2023, 1-13, <https://doi.org/10.1080/01411594.2023.2228968>

Book chapter:

1. Geothermal Energy, “The Science of Energy”, 5 July 2020, pages: 98-104, ISBN: 978-81-929628-3-2