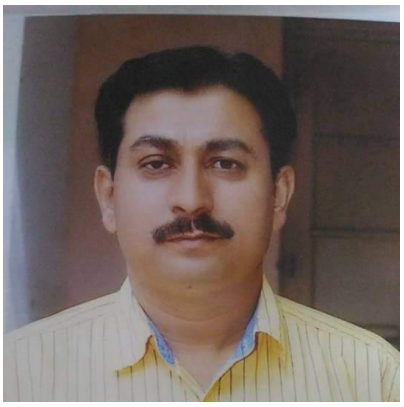
Ravikumar Marotrao Borade

M.Sc., SET

Assistant Professor

ravikumarborade@gmail.com



1. Period of Teaching Experience

P.G (In Years)	**01 Year**
U.G (In Years)	**13 Years**

2. List of Publications:

Research Publications:

1. Invited Review Article "Cyano acraylate polymers in Medical Applications", Rajendra P. Pawar, Swapnil R. Sarda, **Ravikumar M. Borade**, Ashok E. Jadhav, Satish A. Dake and Abraham J. Domb . Recent Patents on Materials Science (Bentham Science Publishers, USA) , 1(3), 186-199, 2008.

2. Facile Synthesis of Nitriles from Aromatic Aldehydes Using DMSO-I_2, Digambar D. Gaikwad, Sameer V. Renukdas, and Babasaheb V. Kendre, Suresh U. Shisodia, **Ravikumar M. Borade**, Praveen S. Shinde, Sunil S. Chaudhary, and Rajendra P. Pawar, Synthetic Communications, 37: 257–259, 2007.

3. Rajendra P. Pawar, Swapnil R. Sarda, **Ravikumar M. Borade**, Sunil S. Choudhary, Wamanrao N. Jadhav, Sudhakar R. Bhusare; Chemistry an Indian Journal Vol No.2 Issue 6, 2005.

4. Preparation, characterization and catalytic application of CoFe2O4 nanoparticles in the synthesis of benzimidazoles ; Ravikumar M. Borade, Pavan R. Shinde, Swati B. Kale, and Rajendra P. Pawar ; AIP Conference Proceedings, **1953**, 030194 (2018). doi: 10.1063/1.5032529.
5. Symmetry transition via tetravalent impurity and investigations on magnetic properties of $Li_{0.5}Fe_{2.5}O_4$**;** Jitendra S. Kounsalye, Prashant B. Kharat, Apparao R. Chavan, Ashok V. Humbe, **R. M. Borade**, and K. M. Jadhav; AIP Conference Proceedings, **1942**, 050067 (2018); doi: 10.1063/1.5028698
6. Ultrasound Irradiated Synthesis Of Benzimidazoles Using Sulphated Tin Oxide As Recyclable Catalyst In Aqueous Medium; **Ravikumar M. Borade**, DAV International Journal of Science Volume-3 Issue-1 2014, 89- 93
7. Mechanochemical synthesis of Benzimidazoles using sulphated tin oxide as recyclable catalyst; Ravikumar M. Borade, Pavan R. Shinde, Swati B. Kale and Rajendra P. Pawar; IJARBS, Volume-3 Issue-1, 2016.

Details of Book Published in International Level:

1. **Chapter - 18: Toxicity Issue Related to Nanoparticulate System**; Rajendra P. Pawar, Sudhakar R. Bhusare, **Ravikumar M. Borade**, Yeshwant B. Vibhute and Abraham J. Domb; Page 320-331, Book, "Nanoparticalate for Pharmaceutical Applications"; Published by American Scientific Publisher, California, USA (ISBN-1-58883-089-6).

2 **Chapter – 1: Polysaccharides as a carriers of bioactive agents for medical applications;** R. Pawar, S. Bhusare, **R. Borade,** S. Farber, D. Itzkowitz and A. Domb; Page 01-53 ,Book, "Natural -based polymers for biomedical applications" Woodhead Publishing Ltd. Cambridge, England, (ISBN-978-1-84569-089-6).

3 **Chapter – 07**. **Arabinogalactan in Clinical Use** ; Rajendra P. Pawar, Babasaheb A. Kushekar, Bhaskar S. Jadhav, Kiran R. Kharat, **Ravikumar M. Borade** and Abraham J. Domb. Book," Biodegradable polymers in clinical use and clinical development "Publisher: John Wiley & Sons, New Jersey, U.S.A. Page No.217-245, 2011, (ISBN-978-0-470-42475-9).

4. **Chapter -10**. **Polyanhydrides-Poly (CPP-SA) Fatty-Acid-Based Polyanhydride; Ravikumar M. Borade**, Abraham J. Domb, Archana A. Sawale, Rajendra P. Pawar and Kiran R. Kharat. Book," Biodegradable polymers in clinical use and clinical development "Publisher: John Wiley & Sons, New Jersey, U.S.A. Page No.367-400, 2011, (ISBN-978-0-470-42475-9).

5. **Chapter: Nanocomposites as Heterogeneous Catalyst in Organic Transformations: A Review ; Ravikumar M. Borade,** Book "Nanotechnology Review: A Glimpse in to the Nano World" Publisher :Purbayon Publication,Guwahati-14,Assam,India, Page No.139 – 154, 2017. (ISBN -978-81-92955-69-8)