

**Dr. MANGESH BABURAO THAKRE**

M.Sc., B.Ed., Ph.D.

Assistant Professor Chemistry,

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Born on 1<sup>st</sup> January 1979, Married

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**Research Interest**

- Copolymerresins.
- Nanopartical and nanocomposites synthesis.
- Phytochemical analysis

**Professional experience**

- Presently working as Assistant Professor and Head in the Department of Chemistry, D.R.B. Sindhu Mahavidyalaya, Nagpur since 27<sup>nd</sup> Sept. 2014.
- Ten years teaching experience in Harihar Junior College Parseoni, Nagpur. (2003-26<sup>nd</sup> Sept. 2014)

**Books Published –**

- A text book of Chemistry, B.Sc. Semester – V, Sai Jyoti Publication, Nagpur.
- A text book of Chemistry, B.Sc. Semester – III, DnyanPath Publication, Amravati.
- A text book of Chemistry, B.Sc. Semester – IV, DnyanPath Publication, Amravati.
- A text book of Chemistry, B.Sc. Semester – I, Sai Jyoti Publication, Nagpur.

### **Chapter Published in Research Journal – 03**

**Research Projects - 02 (MOIL, Nagpur and RDC RTM Nagpur University Nagpur.)**

**Publications in International and National Journals – 14 Research Paper in International Journal.**

### **Participation in Conference, Symposia, Seminar and Workshop**

- **Training and Workshops**

- Participated in workshop (Discussion ) on Restructuring of UG Syllabus organized by RTM Nagpur University, Nagpur and Dharampeth Science college, Nagpur on 11/10/2015.
- Participated in National Seminar on NAAC organized by Kamla Neharu Mahavidyalaya, Nagpur on 5/03/2016.
- “Spectroscopic Techniques : Fundamentals to Applications”. Organized by Visvesvaraya National Institute of Technology, Nagpur. 05/12/2016 To 11/12/2016.
- Participated in the National symposium on Application of forensic sciences, cyber security & investigation of crime. Organized by Gujarat forensic science university and Kamala Neharu Mahavidyalaya, Nagpur on 28<sup>th</sup> March 2018.
- Participated in working for the staff member on the IPR Organized by DRB Sindhu Mahavidyalaya, Nagpur 25<sup>th</sup> April 2018.
- Training Programme on Instrumentation in Department of Chemistry, Sevadal Mahavidyalaya, Nagpur. 30/7/2019 and 31/7/2019.

## Poster and Oral Presentation at International & National Conferences / Symposium

- **M. B. Thakre, W. B. Gurnule and A. B. Zade**, Synthesis and thermal analysis studies of p-hydroxybenzoic acid-adipamide-formaldehyde termpolymer resin. Polymer Congress (APA 2009) on Polymer Science and Technology : Vision and Scenario, New Delhi, 17 Dec. (2009).
- **W. B. Gurnule and M. B. Thakre**, An Eco-friendly Synthesis, Characterization Morphology, Thermal, Electrical and Chelaton Ion-exchange Properties of a Terpolymer Resin, Zing Conference, on Polymer and Technology, Maxico. USA. 21-25 Dec. (2010).
- **W. B. Gurnule and M. B. Thakre**, Novel Polymeric Adsorbents Bearing 2,4-Dihydroxybenzoic acid, biuret and formaldehyde Binding Sites for Removal of Cu(II) and Pb (II) ions from Aqueres Solution. UGC Sponsored National Conference at Shivaji Science College, Nagpur, pp.25, page 11 16<sup>th</sup> Dec. (2011).
- **M. B. Thakre, Vaishali R. Bisen and W. B. Gurnule**, Synthesis, Characterization, Morphology, Thermal, Electrical and Chelating Ion-exchange Properties of a copolymer Resin, Fourth National Conference at North Maharashtra University Jalgaon, pp-13, Page-71, 2-3 Mar. (2012).
- **W. B. Gurnule, M. B. Thakre, R. H. Gupta and A. B. Zade**, Kinetic Study of Thermal Breakdown of 2,4-DHBBF Terpolymer Resin, National Symposium on New Trends in Material Research, Jammu, OP-6, Page 33, 18-20<sup>th</sup> Nov. (2010).
- **M. B. Thakre, W. B. Gurnule, and A. B. Zade**, Structural Studies of 8-hydroxyquinoline Adipamide Formaldehyde Copolymer Resin. National Conference on recent advancement in Material Science, (NCRAMS 2010), organized by the Society for Promotion of Material Science, Nagpur and Department of Chemistry, Jagat Arts, Commerce and Science College, Goregaon pp-25, page 161-166, Feb. 25 (2010).

- **M. B. Thakre and W. B. Gurnule**, Synthesis and Characterization of Copolymer Resin derived from 8-hydroxyquinoline Adipamide and Formaldehyde, National Seminar on emerging trends in Polymer Science and Technology, A-2, Pg. No. 29, Oct. 8 (2009).
- **W. B. Gurnule, M. B. Thakre and A. B. Zade**, Synthesis and Thermal Analysis Studies of p-hydroxybenzoic acid adipamide formaldehyde terpolymer resin. National Seminar on emerging trends in Polymer Science and Technology, A-4, Pg. No. 31 Oct. 8 (2009)
- **W. B. Gurnule and M. B. Thakre**, Chelation Ion-exchange Properties of 8-Hydroxyquinoline Adipamide Formaldehyde. Second National conference on Recent Advances in Polymer Technology, OP-24, Pg. No. 56, Dec. 28 & 29, (2009).
- **M. B. Thakre and R.D.Sarkar**, Kinetic study of dehydrogenation of cyclohexanol.....Cu-Ce Catalyst organized by M. Mohota Science College, Nagpur on 14/03/2015.
- **M. B. Thakre and S. K. Kharkate**, Metal ions using micellar thin layer chromatography organized by Sevadal Mahila Mahavidyalaya, Nagpur on 04/10/2015.
- **M. B. Thakre and S. K. Kharkate**, Photo degradation of organic compound organized by T.G.P.C.E.T. Nagpur on 22 and 23 January 2016.
- **M. B. Thakre, W.B. Gurnule and S. K. Kharkate**, Synthesis & characterization of high performance terpolymer resins derived from p-hydroxy benzoic acid organized by Kamla Neharu Mahavidyalaya, Nagpur 17 and 18 March 2017.
- **M. B. Thakre and Z. N. Kashmiri**, Challenges and opportunities of online teaching-learning in Higher Education Institutions organized by D. R. B. Sindhu Mahavidyalaya, Nagpur 11<sup>th</sup> February 2022.

- **M. B. Thakre and W.B. Gurnule**, Synthesis and Electrical conductivity of 8-HQ-5-SBF-II derived from 8-Hydroxyquinoline-5-Sulphonic acid, Biuret and Formaldehyde organized by D. R. B. Sindhu Mahavidyalaya, Nagpur 25-03-2022 to 26-03-2022.
- **M. B. Thakre, S. G. Hate and S. K. Kharkate**, Synthesis of metal nanoparticles and phytochemical studies on extract of *Anisochilus Carnosus*.organized by D. R. B. Sindhu Mahavidyalaya, Nagpur 08-04-2022 to 09-04-2022.