

RESUME

1. General Information:

Full Name : **Dr. Ramesh S. Malladi**

Designation : Assistant Professor

Office address : Department of Chemistry
BLDEA's, V. P. Dr. P. G. Halakatti College of
Engineering and Technology, Vijayapur-586103,
(Karnataka), India.

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2. Educational Qualifications:

SL.NO	DEGREE	UNIVERSITY	YEAR	SPECILIZATION
1	Ph.D	VTU BELGAVI	2010	NANOTECHNOLOGY, CHEMICALKINETICS
2	M.Sc.	KUD, DHARWAD	2001	ORGANIC CHEMISTRY
3	B.Sc.	KUD, DHARWAD	1997	CHEMISTRY, BOTANY, ZOOLOGY.

3. Experience in Teaching: 14 Years

Sl.No	Name of Organization / Institution	Designation	Duration of service	
			From	To
1	A.B. Jatti Pre-University College, Tikota. Dist: Vijayapur, (Karnataka) India.	Lecturer	1/7/2001 to 16/3/2004	
2	B.L.D.E.A's, V.P. Dr. P.G.H., College of Engineering & Technology, Vijayapur, (Karnataka) India.	Lecturer	12/4/2004 to 30/11/2010	
3	B.L.D.E.A's, V.P. Dr. P.G.H., CET. Vijayapur, (Karnataka) India.	Sr. Grade. Lecturer	1/12/2010to31/11/2011	

4	B.L.D.E.A's, V.P. Dr. P.G.H., C.E.T. Vijayapur, (Karnataka) India.	Assistant Professor	1/1/2012 to till date.
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4. Research Experience: 12 yrs

5. Areas of Interest: Nanotechnology, Reaction kinetics and Spectroscopy.

6. Professional Membership:

- A) Life Member of the ISTE (Membership No: LM-61703).
 B) Society of Environmental Chemistry and Allied Sciences (SECAS) (L.M.No:135).

7. Book Chapters : 03

8. List of Publications in International Journals

1. Kakarla RaghavaReddy Laxmi S. Killedara Pramod R.Vernekar, Mahesh M.Shanbhag,Nagaraj P.Shetti, **Ramesh.S.Malladi**, Ravindra S.Veerapur. Fabrication on nanoclay modified electrodes and their use as an effective electrochemical sensor for biomedical applications. *Journal of Molecular Liquids*. 2022, 118583.
2. Pramod R Vernekar, Nagaraj P Shetti, Mahesh M Shanbhag, Shweta J Malode, **Ramesh S Malladi**, Kakarla Raghava Reddy. Novel layered structured bentonite clay-based electrodes for electrochemical sensor applications. *Microchemical Journal*. 2020, 159, 105441.
3. Davalabas Ilager, Nagaraj P. Shetti, **Ramesh S. Malladi**, Nitinkumar S. Shetty, Kakarla Raghava Reddy, Tejraj M. Aminabhavi. Synthesis of Ca-doped ZnO nanoparticles and its application as highly efficient electrochemical sensor for the determination of anti-viral drug, acyclovir. *Journal of Molecular Liquids*. 2020, 159, 114552
4. G. Banuprakash, B. M. Prasanna, B. M. Santhosh, A. M. Guruprasad, **R. S. Malladi**. Corrosion Inhibitive Capacity of Vanillin-Based Schiff Base for Steel in 1 M HCl. *Journal of Failure and Analysis*. 2020, 20(5), 114552.
5. UR Bagwan, IN Shaikh, **RS Malladi**, AL Harihar, SM Hunagund. Effect of titanium dioxide and gadolinium dopants on photocatalytic behavior for acriflavine dye. *Journal of Rare Earths*. 2020, 38(3), 234-240
6. Shikandar D. Bukkitgar, Nagaraj P.Shetti, **Ramesh S. Malladi**, Kakarla RaghavaReddy, Shankara S.Kalanur, Tejraj M.Aminabhavi. Novel ruthenium doped TiO₂/reduced graphene oxide hybrid as highly selective sensor for the determination of amroxol. *Journal of Molecular Liquids*, 2020, 300, 112368 <https://doi.org/10.1016/j.molliq.2019.112368>
7. Nagaraj P.Shetti, Shweta J.Malode, Deepti S.Nayak, Gangadhar B.Bagihalli, Shankara S.Kalanur, **Ramesh S.Malladi**, Ch. VenkataReddy, Tejraj M.Aminabhavi, Kakarla RaghavaReddy. Fabrication of ZnO nanoparticles modified sensor for electrochemical oxidation of methdilazine. *Applied Surface Science*, 2019, 496, <https://doi.org/10.1016/j.apsusc.2019.143656>
8. Umarfarooq R.Bagwan, Irfan N.Shaikh, **Ramesh S.Malladi**, Abdulazizkhan L.Harihar, Shirajahammad M.Hunagund. Effect of titanium dioxide and gadolinium dopants on photocatalytic behavior for acriflavine dye. *Journal of Rare Earths*, 2019, <https://doi.org/10.1016/j.jre.2019.09.006>

9. Nagaraj P Shetti, Shweta J Malode, **Ramesh S Malladi**, Shachindra L Nargund, Shyam S Shukla, Tejraj M Aminabhavi. Electrochemical detection and degradation of textile dye Congo red at graphene oxide modified electrode. *Microchemical Journal*, 2019, 146, 387-392,
10. Theoretical and experimental approach of inhibition effect by sulfamethoxazole on mild steel corrosion in 1M HCl”, B.M. Prasanna, B.M. Praveen, Narayan Hebbar, M.K. Pavithra, T.S. Manjunatha, R.S. Malladi. *Surface and Interface Analysis*. DOI: 10.1002/sia.6457, 2018.
11. “Ag (I)-Catalyzed Chlorination of Linezolid during Water Treatment: Kinetics and Mechanism” RM Kulkarni, MS Hanagadakar, RS Malladi, NP Shetti ,*International Journal of Chemical Kinetics* 50 (7), 495-506
13. 12.“Ru–TiO₂ semiconducting nanoparticles for the photo-catalytic degradation of bromothymol blue” RM Kulkarni, RS Malladi, MS Hanagadakar, MR Doddamani, B Santhakumari, SD Kulkarni, *Journal of Materials Science: Materials in Electronics* 27 (12), 13065-13074
14. “Oxidation of linezolid by permanganate in acidic medium: Pd (II) catalysis, kinetics and pathways”, Raviraj M Kulkarni, Manjunath S Hanagadakar, Ramesh S Malladi, B Santhakumari, Sharanappa T Nandibewoor, *Progress in Reaction Kinetics and Mechanism* 41 (3), 245-257
15. “Ag-TiO₂ nanoparticles for photocatalytic degradation of lomefloxacin” Raviraj M. Kulkarni, Ramesh S. Malladi, Manjunath S. Hanagadakar, Mrityunjay R. Doddamani, Udaya K. Bhat. *Desalination and Water Treatment*, 57 (34), 16111-16118, 2016.
16. “Experimental and theoretical studies on the oxidation of lomefloxacin by alkaline permanganate” Raviraj M Kulkarni, Manjunath S Hanagadakar, Ramesh S Malladi, Himansu S Biswal, Eduardo M Cuerda-Correa. *Desalination and Water Treatment*, 57 (23), 10826-10838, 2016.
17. “Transformation of linezolid during water treatment with chlorine – A kinetic study” Raviraj M. Kulkarni, Manjunath S. Hanagadakar, Ramesh S. Malladi, Mahadev S. Gudaganatti, Himansu S. Biswal and Sharanappa T. Nandibewoor. *Indian Journal of Chemical Technology*, Vol. 21, pp 38-43, 2014.
18. “Silver (I) catalyzed and uncatalyzed oxidation of levofloxacin with aqueous chlorine: A comparative kinetic and mechanistic approach” Raviraj M. Kulkarni, Manjunath S. Hanagadakar, Ramesh S. Malladi. *Asian Journal of research in Chemistry*, Vol. 6 (12), pp1124-1132, 2013.
19. “Transformation on levofloxacin during water chlorination process: kinetics and pathways” Mahadev S. Gudaganatti, Manjunath S. Hanagadakar, Raviraj M. Kulkarni, Ramesh S. Malladi, and Rajaram K. Nagarale. *Progress in Reaction Kinetics and Mechanism*, Vol. 37, pp 366-382, 2012.

9.National/International Conferences

1. Presented a research paper entitled by “Photocatalytic degradation of methyl orange by copper doped zinc oxide: Kinetics and Mechanism” in 1ST NATIONAL CONFERENCE ON EMERGING TRENDS IN CHEMISTRY AND MATERIALS SCIENCE (ETCM-2014)” held at KLS Gogte Institute of Technology, Belagavi, (Karnataka) India. On 13th October 2014.
2. Presented a research paper entitled by “Photocatalytic degradation of methylene blue using copper doped zinc oxide: Kinetics and Mechanism” in “1ST NATIONAL CONFERENCE ON PRESENT SCENARIO OF CHEMICAL SCIENCES AND ITS TECHNOLOGICAL PERSPECTIVES-2014” held at Karnataka College Dharwad, (Karnataka) India. On 10th &11th October 2014.
3. Presented a research paper entitled by “Photocatalytic decolorization of bromothymol blue with doped Ag-TiO₂ nanoparticles: Kinetics and Mechanism” in “INTERNATIONAL CONFERENCE ON EMERGING INNOVATIVE TECHNOLOGIES FOR A SUSTAINABLE WORLD – 2013 (ICEITSW-2013)”. Organized by Shridevi Institute of Technology Tumkur, (Karnataka) India. held on 7th and 8th October 2013.
4. Presented a research paper entitled by “Photocatalytic degradation of lomefloxacin using Ag-TiO₂ nanoparticles” in “31ST ANNUAL CONFERENCE OF INDIAN COUNCIL OF CHEMISTS” held at Department of Chemistry, Saurashtra University, Rajkot (Gujarat) India. On 26th -28th December, 2012.
5. Presented a research paper entitled by “ Photocatalytic degradation of bromothymol blue with doped Ru-TiO₂ nanoparticles : Kinetics and Mechanism” in “SECOND INTERNATIONAL CONFERENCE ON ADVANCED OXIDATION PROCESSES (AOP-2012)”. held at Kottayam, (Kerala) India. From 5th to 8th October 2012.