



P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

Faculty Profile

General

Name	Dr. Harsha M
Designation,	Assistant Professor
Department & Affiliated Institution	Department of Chemistry, P.E.S College of Engineering, Mandya – 571 401
Research Area	Physical Chemistry, Reaction kinetics
Contact Number	+91 9986298666
Email ID	harshachem87@gmail.com



Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
Ph. D	Yuvaraja's College, Mysuru	University of Mysore, Mysuru	2017	-	-
M. Sc.,	DOS in Chemistry, Manasagangothri	University of Mysore, Mysuru	2010	70.5	Distinction
B. Sc.,	P.E.S College of Science, Mandya	University of Mysore, Mysuru	2008	82.3	Distinction

Professional Experience

Organization and Department	Designation	Period	Total Experience
Vishwamanva PU College, Mandya	Lecturer	2011 to 2013	03 Years
Yuvaraja's College, Mysuru	Lecturer	2013 to 2016	03 years
Univeral PU College, Ramanagara	Lecturer	2019 to 2021	02 years

Reports on Academic and Research Activities

Academic Activities

Teaching Records (Details of courses taught)	B.E (Undergraduate) –Electronic materials for display systems, sensors and energy systems, e-waste management, corrosion science and water technology, Engineering Chemistry Lab - Quantitative analysis, Industrial Chemistry (Open Elective for 7 th semester)
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Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	Nil	Nil	Nil
Pursuing	Nil	Nil	Nil

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
Nil	Nil	--	Nil

Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	Nil	14
Conferences/Symposia	10	00

Other Important Responsibilities Held in the College

Departmental IQAC Coordinator Departmental Innovation and Incubation Coordinator In charge of Laboratory work.	
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1. Chloramine-T assisted oxidatative decolorization of tartrazine (food dye) in acid medium: kinetic and mechanistic investigations. **Harsha Muddegowda**, Charan Kumar Hunsur Chandrashekar, Kumara Manikyanahalli Narasigowda, **Trends in Sciences**, 2022, 19(19):6184.- **Scopus indexed**
2. Oxidative decolonization of Red 2G by chloramine-T and chloramine-B in acid medium: Comparative mechanistic aspects and kinetic modeling. **Harsha. M**, Charan Kumar H. C, Chandrashekar, Kumara. M. N. **Journal of Emerging Technologies and Innovative Research (JETIR)**, 2022, 9(4): d240-d254
3. Electrochemical Degradation of 9-(2-Carboxyphenyl)-6-(diethyl amino)-N, N-diethyl-3H-xanthen-3-iminium chloride Dye at Sn/graphite Modified Electrode in Aqueous Solution. H. C. Charan Kumar, S. Rajendra Prasad, **M. Harsha**, R. Shilpa and S. Ananda, **Journal of Applicable Chemistry**, 2021, 10 (5): 665-677.
4. Oxidation study of Piperazine by N-Chloro-p-Toluenesulphonamide [CAT] in acidic buffer medium: Kinetic and mechanistic aspect. Chandrashekar, **Harsha. M**, Charan Kumar H. C, Shashikumar T. S. **Journal of Emerging Technologies and Innovative Research (JETIR)**, 2021, 8(12): b88-b97
5. Oxidative decolorisation of food dye, quinoline yellow in the presence of sodium hydroxide and in hydrochloric acid catalyzed by H⁺: A kinetic and mechanistic approach. **Harsha Muddegowda**, Ashwini Narasegowda, Ananda sannaiah, Kumara Manikyanahally Narasigowda*. **Current Physical Chemistry**, 2018, 8, 10-21- **UGC Care**
6. Kinetics study of oxidative degradation of a Xanthene dye Erythrosine-B by CAT in acid medium: A spectrophotometric approach. Basavaraju B. C, B. M. Chandrashekara, K. Mantelingu, **Muddegowda Harsha**, Manikyanahalli Narasigowda Kumara, **Int. J. Creat. Res. Thoughts**, 2018, 6(2): 830-841
7. Exploration of oxidative degradation of Acid Red 18 dye using CAT & CAB in acid medium. Basavaraju. B.C, Manikyanahalli Narasigowda Kumara, **Muddegowda Harsha**, B. M. Chandrashekara. **JETIR**, 2018,5(1):448-455
8. Mechanistic investigation of oxidative decolorization of an azo dye Metanil Yellow by CAT in HCl medium: A spectrophotometric approach. Basavaraju. B.C, Manikyanahalli Narasigowda Kumara, **Muddegowda Harsha**, B. M. Chandrashekara. **IJRASET**, 2018, 6(1): 2165-2172

9. Synthesis of some benzothiazole derivatives and kinetic studies of their oxidation using chloramine-T in acid medium. Manikyanahalli Narasigowda Kumara* and **Muddegowda Harsha**. **IOSR- Journal of Applied Chemistry**, 2017, 10(6): 01-07.
10. Kinetic and mechanistic study of chloramine-T assisted color removal of triphenyl methylene dyes containing waste water: A spectrophotometric approach. **Muddegowda Harsha**, Muddegowda umashankar, kitappa Malavalli mahadevan, Sannaiah Ananda and Manikyanahalli Narasigowda Kumara*. **Journal of Applicable Chemistry**, 2016, 5 (5): 1175-1190.
11. Kinetic and mechanistic investigation of allura red ac by chloramine-T in HCl medium: A spectrophotometric approach. **Muddegowda Harsha**, Muddegowda umashankar, kitappa Malavalli mahadevan, Sannaiah Ananda and Manikyanahalli Narasigowda Kumara*. **International journal of current research**. 2016, 8(08): 36931-36938.
12. Synthesis of some benzimidazole derivatives and kinetics studies of their oxidation using chloramine-T in alkaline medium. M. N. kumara* and **M. Harsha**. **International Journal of Current Innovation Research**, 2016, 2(06): 387-391.
13. Kinetic and mechanistic investigation of oxidation of 10-[5'-(ndiethylamio)pentyl]-2-chlorophenoxazine by chloramine-T in HCl medium: A spectrophotometric approach. B. T. Sridhar, K. N. Thimmaiah, K. S. Rangappa, C. T. Padma. B, **M. Harsha** and M. N. kumara. * **International journal of current science**, 2016,19(4): E68-77
14. Synthesis, Spectral and Antimicrobial studies on Zn (II) Complexes of N-Substituted 2-Chloro phenothazines. N. N. Madhushree, C. Vathasaladeepu, **M. Harsha**, P. G. Chandrashekara*. **Inventi Rapid: Med Chem**, 2016(2)

PATENTS

Title: A Method of Electrochemical Deposition of Nanostructured Conducting Polymer Coating On Metallic Nanostructures. Publication Date: 02/12/2022

CONFERENCE/WORKSHOP ATTENDED

1. Participated in a 1 day national webinar on “Advances in material Science” organized by the Science departments, JSS College of Arts, Commerce and Science, Nanjangud-571301 on 13th February 2023

1. Participated in the 5 days online FDP entitled “Recent trends in Green Chemistry-2021(RTGC)” organized by **DBIT, Bengaluru** from 15-19th November 2021

2. Participated in a one-day National Conference on “Current trends in Material Science-2018(CTMS-2018)” organized by PG Department of Chemistry, **Bharathi College**, Bharathinagara on 10th March 2018
3. Participated in a one-day seminar on “Analytical and Molecular Techniques in the drug discovery process” organized by PG Department of Pharmaceutical Chemistry, **JSS College of Pharmacy**, Mysuru on November 24, 2017
4. Participated in two day workshop on “Recent trends in research methodology and safety measures for handling chemicals in the laboratory” organized by PG department of Chemistry, **Saradavilas College**, Mysuru on November 25-26, 2016
5. Presented a paper in “National Conference of Emerging Science and Engineering” organized by **Jiwaji University, Gwalior** on May 5-6, 2016.
6. Presented a poster in 103rd Indian Science Congress Association organized by **University of Mysore** on January 3-7, 2016.
7. Participated in One day national seminar on Chemistry and Chemical Biology organized by **University of Mysore** on January 26, 2015.
8. Presented a poster in NACOPAC national conference organized by **University of Mysore** on December 29-31, 2014.

9. Participated in National seminar cum workshop on Drug design & its industrial applications organized by **Pondicherry University** on March 7-9, 2012.

10. Presented a poster in National conference on Recent Trends in Chemistry organized by **P.E.S.College, Mandya** on September 16-17, 2011