

FACULTY PROFILE

1. Name in full	Dr. M.S.HANAGADAKAR	
2. Contact Nos.	9480222539	
3. Email ID	mshanagadakar.chem@hsit.ac.in , manju.hanagadakar.@gmail.com	
4. Date of Birth	16-08-1975	
5. Address for communication	Associate Professor, I-Year Coordinator, Department of Engineering Chemistry HIT, Nidasoshi, Karnataka Pin - 591 236	HIT. New staff quarters, H.No.B2, HIT, Nidasoshi, Karnataka Pin - 591 236

6. Educational qualifications :

Sl. No	Degree	University/Institution	Year	Specialization
1	Ph. D	Visvesvaraya Technological University, Belagavi	2016	Kinetics And Spectroscopy
2	M.Sc.	Karnataka University Dharwad	2001	Physical Chemistry
3	B.Sc.	R.L. Science Institute, Belagavi	1998	Physics, Chemistry & Mathematics

7. Details of previous employment:

Sl. No	Name of the Institution/Organization	Period		Designation
		From	To	
1	V.M.V.V. Sangha's V.M.S.R. Vastrsd Arts, Science & V.M. Commerce College, Hungund	17 th June 2003	12 th August 2004	Lecturer
2	S.D.V.S. Sangh's S.S. Arts & T.P. Science Institute Sankeshwar.	13 th August 2004	31 st May 2006	Lecturer
3	S.J.P.N Trust's Pre-University Science College, Nidasoshi.	1 st June 2006	17 th February 2007	Lecturer
4	S.J.P.N. Trust's Hirasugar institute of technology, Nidasoshi	19 th February 2007	Till date	Associate Professor
Total Experience in years				15.5 Years

8. **Date of Service in this Institution:** 19-02-2007

9. **Total Experience in years:** 10 Years 11Months

10. **Subjects of Interest:**

- Physical Chemistry
- Reaction Kinetics & Mechanism
- Water treatment
- Environmental science

11. **Publications in National and International Journals & Conferences:**

National/International Journals

1. **“Transformation of Levofloxacin during Chlorination process: Kinetics & 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, **2012**, pp. 366–382. (International Journal) 1468-6783 # 2012 Science Reviews 2000 Ltd.
2. **“Silver (I) catalyzed and uncatalyzed oxidation of levofloxacin with aqueous chlorine: A comparative kinetic and mechanistic approach”** „Raviraj M. Kulkarni*,**Manjunath S. Hanagadakar**, and Ramesh S. Malladi, Asian Journal Research in Chemistry, 6 (12): December **2013**, pp 1124-1132. (International Journal) **ISSN 0974-4169**.

3. "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 & Sharanappa T. Nandibewoor *Indian Journal of Chemical Technology*. Vol. 21, January 2014, pp 38-43. (International Journal)
4. "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*, (Published online: 23 Apr 2015) 57 (2016) 10826–10838 (International Journal)
5. "Ag-TiO₂ nanoparticles for photocatalytic degradation of lomefloxacin" Raviraj M. Kulkarni*, Ramesh S. Malladi, **Manjunath S. Hanagadakar**, Mrityunjay R. Doddamani & Udaya K. Bhat, DOI: 10.1080/19443994.2015.1076352 (06 Aug 2015).
6. Ru-TiO₂ semiconducting nanoparticles for the photocatalytic degradation of Bromothymolblue, Raviraj M. Kulkarni, Ramesh S. Malladi, **Manjunath S. Hanagadakar**, Mrityunjay R. Doddamani, Santhakumari B., Suresh D. Kulkarni, *Journal of Materials Science: Electronic materials*, (2016) (Springer) DOI: 10.1007/s10854-016-5449-6.
7. 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 and Sharanappa T. Nandibewoor, *Progress in Reaction Kinetics and Mechanism*, 2016, 41(3), 245–257.
8. Ag (I) catalyzed chlorination of linezolid during water treatment: Kinetics and Mechanism, Raviraj M. Kulkarni, **Manjunath S. Hanagadakar**, Ramesh S. Malladi, Nagaraj P. Shetti, *Journal of Environmental Chemical Engineering (Elsevier)* (2016) Communicated.
9. "Pd(II) catalyzed chlorination of levofloxacin during water treatment: Kinetics and Mechanism" **Manjunath S. Hanagadakar**, Ramesh S. Malladi, Virupakshi M. Bhumannavar, *Journal of Advances in Science and Technology*, Vol. 12, Issue No. 25, (Special Issue) December-2016, ISSN 2230-9659. pp.606-613.
10. FTIR and Raman Spectra Assignments and Electronic Structure Calculations for 3, 4-Difluoroaniline, Virupakshi M. Bhumannavar, **Manjunath S. Hanagadakar**, Shrinath L. Patil, *Journal of Advances in Science and Technology*, Vol. 12, Issue No. 25, (Special Issue) December-2016, ISSN 2230-9659. pp.621-627.

11. Ag (I) catalyzed chlorination of linezolid during water treatment: Kinetics and Mechanism, Raviraj M. Kulkarni, **Manjunath S. Hanagadakar**, Ramesh S. Malladi, Nagaraj P. Shetti (Communicated).

Paper presentations in International Conferences:

1. Presented a research paper entitled “*Photo catalytic degradation of lomefloxacin using silver doped Titania nano particles*” in Second International Conference on Advanced Oxidation Processes on October 5-8th, **Kottayam, Kerala, India, 2012.**
2. Presented a research paper entitled “*Ag (I) catalyzed chlorination of linezolid during water treatment: Kinetics and Mechanism*” Fourth INTERNATIONAL CONFERENCE ON “ADVANCED OXIDATION PROCESSES (AOP) – 2016” December 17–20, 2016 **BITS-Pilani, K. K. Birla Goa Campus, India, in association with SECAS, India**
3. Presented a research paper entitled “*Pd(II) catalyzed chlorination of levofloxacin during water treatment: Kinetics and Mechanism*” The International Conference on Recent Innovations in Engineering on 8th and 9th October 2016 at **Hirasugar Institute of Technology Nidasoshi - 591236, Dist: Belagavi, Karnataka, India**

Paper presentations in National Conferences:

1. Presented a research paper entitled “*Experimental and Theoretical studies on transformation of emerging contaminant linezolid during water chlorination Process*”. in the NATIONAL CONFERENCE ON MATERIALS NCCM-2011 organized by **Tumkur University, Tumkur,** On 28th September **2011.**
2. Presented a research paper entitled “*Kinetics and Mechanism of Silver(I) catalyzed reaction of levofloxacin with aqueous chlorine*” in 31st Annual conference of Indian Council of Chemists held at Department of Chemistry, **Sourashtra University, Rajkot, Gujarat,** on 26th -28th December, **2012.**
3. Presented a research paper entitled “*Transformation of antibacterial agent lomefloxacin by alkaline permanganate: Kinetics and Mechanism.*” In 1st National Conference on Emerging Trends in Chemistry And Material Science (ETCM-2014) ,Organized by Department of Chemistry ,**KLS’s Gogte Institute of Technology, Belagavi, Karnataka** on 13th October 2014.

4. Presented a research paper entitled “*Oxidation of linezolid by permanganate in acidic medium: Pd (II) catalysis, kinetics and pathways*” In 34th Annual Conference of the Indian Council of Chemists Department of Chemistry, **UKA TARSADIA University Bardili, Surat (Gujarat)** on 26th - 28th Dec, 2015.
5. Presented a research paper entitled “Experimental and Theoretical studies on transformation of emerging contaminant linezolid during water chlorination Process”. in the NATIONAL CONFERENCE ON MATERIALS NCCM-2011 organized by **Tumkur University, Tumkur,** On 28th September **2011**.
6. Presented a research paper entitled “ Kinetics and Mechanism of Silver(I) catalyzed reaction of levofloxacin with aqueous chlorine” in 31st Annual conference of Indian Council of Chemists held at Department of Chemistry, **Sourashtra University, Rajkot, Gujarat,** on 26th -28th December,**2012**.
7. Presented a research paper entitled “Transformation of antibacterial agent lomefloxacin by alkaline permanganate: Kinetics and Mechanism.” In 1st National Conference on Emerging Trends in Chemistry And Material Science (ETCM-2014) ,Organized by Department of Chemistry, **KLS’s Gogte Institute of Technology, Belgaum, Karnataka** on 13th October 2014.

12. Books Published:

13. Workshop / Seminars Conducted:

14. Training Programmes/Workshops/Seminars/STTPs/Symposiums Attended:

Sl. No.	Topic	Period	Date	Venue
1.	Nanotechnology-“Today’s Need” (National Seminar)	Two days	28-29 th March 2009	S. D.V.S Sangh’s. S.S.Arts & T.P. Science Institute, Sankeshwar
2.	Research Methodologies & Report Writing (Workshop)	Two days	25-26 th May 2009	K.L.S. Gogte Institute of Technology, Belagavi.
3.	“Applications of Mathematics in Engineering” (Workshop)	Two days	30 st -31 th August 2010	S.J.P.N. Trust’s Hirasugar Institute of Technology, Nidasoshi

4.	All India Conference on Waste Management and Pollution Control	Two days	7 th -8 th March 2014	The Institute of Engineers (India) Local Center, Belagavi.
5	NBA-SAR filling & Preparedness for assessment	Three days	15 th -17 th September 2017	Hirasugar Institute of Technology,Nidasoshi.

15. Awards/Achievements:

Awards/Achievements: ----- Awarded Ph.D in Chemistry from Visvesvaraya Technological University, Belagavi on 11-04- 2016.

16. Details of Memberships in Professional Societies:

Society of Environmental Chemistry and Allied Sciences (SECAS)

17. Any other information

Signature of the Faculty/Staff

Signature of the HOD