

Personnel Profile

Dr. Laxmi N. JATTINAGUDAR

Assistant Professor

Department of Chemistry

KLE's SK Arts College and HSK Science Institute,

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Education Details:

Sl. No.	Exam Passed	Board/ University	Year of Passing
1.	Ph.D.	Karnatak University, Dharwad	2016
2.	M.Sc.	Karnatak University, Dharwad	2011

Computer Literacy: Microsoft Office

Teaching Experience:

Sl.No.	Institution	Year		No. of Years
		From	To	
1.	Government First Grade Degree College, Dharwad	Sep 2016	March 2018	02
2.	KLE's SK Arts College and HSK Science Institute, Hubballi	12-06-2019	Till date	02

Membership of Professional Organizations:

Sl.No.	Organization	Membership ID	Year
01	Indian Society of Analytical Scientists(ISAS)	LM-ISAS-B009	2021

Posts Held & Institution Governance Responsibility:

Sl.No.	Designation	Responsibility
1	NAAC Criterion-I	Member
2	UBA Gudenakatti Village	Member
3	NSQF in Cosmetology	Coordinator
4	Swayam NPTEL Local Chapter	Mentor
5	Institution's Innovation Council	Member
6	Energy Swaraj Foundation Committee	Member
7	State Scholarship Portal(SSP)	E-attestation Officer
8	Value added course	Member
9	Examination & KUD result analysis Committee	Member
10	Green Audit	Member
11	Institution Innovation Council(IIC)	Member
12	Gender Champion	Convenor

Orientation/Refresher Course/ FDP Attended:

Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF HUMAN RESOURCE DEVELOPMENT PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING successfully completed a 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from June 04 - July 01, 2020.

Participated as a resource person

Title	Role	Dates From – to	Place
WEC Organised Workshop Topic: Side Effects of Drugs	Resource Person	02-20-2021	KLE'S SKA & HSK Institute, Hubballi

Research Interests: Drug-Protein Interaction Studies and Cyclic Voltametric Studies

Research Experience: 04 years

Publications in Journals:

1. Kinetics and mechanism of cerium(IV) oxidation of fosfomycin disodium salt: an antibiotic drug in acid perchlorate solutions
Laxmi N. Jattinagoudar, Kirthi S. Byadagi, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar, *Synth. React. Inorg. Met-Org., Nano-Met. Chem.*, (2015) **45**, 1138–1144
2. Uncatalysed and ruthenium(III) catalysed oxidation of aspartame by potassium permanganate in aqueous alkaline medium: a comparative kinetic study
Laxmi N. Jattinagoudar, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar, *J. Solution Chem.*, (2016) **45**, 497–517
3. Investigation of electron-transfer reaction between alkaline hexacyanoferrate(III) and ranitidine hydrochloride-a histamine h₂ receptor antagonist, in the presence of homogenous ruthenium(III) catalyst
Laxmi N. Jattinagoudar, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar, *J. Sulfur Chem.*, (2015) **36**, 637-652
4. Evaluation of the binding interaction between bovine serum albumin and dimethyl fumarate, an anti-inflammatory drug by multispectroscopic methods
Laxmi N. Jattinagoudar, Manjunath D. Meti, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar, *Spectrochim. Acta A.*, (2016) **156**, 164–171
5. Oxidation of an Antibiotic Drug - Fosfomycin Disodium Salt by Chromium(VI) in Aqueous Perchloric Acid Medium - A Kinetic and Mechanistic Study
Laxmi N. Jattinagoudar, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar *J. Indian Chem. Soc.*, (2015) **92**, 235–245
6. Binding of fexofenadine hydrochloride to bovine serum albumin: structural considerations by spectroscopic techniques and molecular docking
Laxmi N. Jattinagoudar, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar

J. Biomol. Struct. Dyn., (2016) **34**, 1–15

7. Oxidation of ascorbic acid by hexacyanoferrate(III) in aqueous perchloric acid medium-A kinetic and mechanistic study
Laxmi N. Jattinagoudar, Kirthi S. Byadagi, Noorjahan M. Shirhatti, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
J. Chem. Pharm. Res., (2013) **5**, 290-300
8. Thermodynamic, kinetic and mechanistic investigations of ruthenium(III) catalysed methylparaben oxidation by diperiodatocuprate(III) in aqueous alkaline medium
Girish G. Ariga, **Laxmi N. Jattinagoudar**, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
Journal of Catalyst & Catalysis, (2015) **2**, 1–14

Papers presented at various International/National conferences, seminars, workshops

1. The paper entitled “Kinetics and mechanism of cerium(IV) oxidation of fosfomicin disodium salt – an antibiotic drug in acid perchlorate solutions” was presented at the 31st Annual Conference of Indian Council of Chemists, held at Saurashtra University, Rajkot, 26th to 28th of December 2012. **Laxmi N. Jattinagoudar**, Kirthi S. Byadagi, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
2. The paper entitled “Oxidation of an antibiotic drug–fosfomicin disodium salt by chromium(VI) in aqueous perchloric acid medium – a kinetic and mechanistic study” was presented at the 32nd Annual Conference of Indian Council of Chemists, held at Dept. of Chemistry, Karnatak University, Dharwad, 28th to 30th of November 2013. **Laxmi N. Jattinagoudar**, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
3. The paper entitled “Uncatalysed and ruthenium(III) catalysed oxidation of aspartame by potassium permanganate in aqueous alkaline medium: a comparative kinetic study” was presented at the 51st Annual Convention of Chemists, held at Dept. of Chemistry, Kurukshetra University, Kurukshetra, Haryana, 9th to 12th of December, 2014. **Laxmi N. Jattinagoudar**, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
4. The paper entitled “Investigation of electron–transfer reaction between alkaline hexacyanoferrate(III) and ranitidine hydrochloride—a histamine h₂ receptor antagonist, in the presence of homogenous ruthenium(III) catalyst” was presented at the 33rd Annual Conference of Indian Council of Chemists, held at Dept. of Applied Chemistry, Indian School of Mines, Dhanbad, 15th to 17th of December 2014. **Laxmi N. Jattinagoudar**, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
5. The paper entitled “Evaluation of the binding interaction between bovine serum albumin and dimethyl fumarate, an anti-inflammatory drug by multispectroscopic methods was presented at the 1st International Conference on ACCELERATING INNOVATIONS IN MATERIAL SCIENCE organized by Department of Chemistry

BMS Institute of Technology & Management Bengaluru, India, 4th to 7th of August 2020

Laxmi N. Jattinagoudar, Manjunath D. Meti, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar,
Spectrochim. Acta A., (2016) **156**, 164–171

6. The paper entitled “Thermodynamic, Kinetic and Mechanistic Investigations of Ruthenium(III) catalysed Methylparaben Oxidation by Diperoxydicuprate(III) in aqueous alkaline medium” was presented at the Annual Convention of Chemists, 2020 & International Conference on Recent Trends in Chemical Sciences RTCS-2020 organized by Indian Chemical Society, 26th to 29th December 2020

Girish G. Ariga, **Laxmi N. Jattinagoudar**, Sharanappa T. Nandibewoor and Shivamurti A. Chimatadar
Journal of Catalyst & Catalysis, (2015) **2**, 1–14

National/International conferences, seminars, workshops, symposium participated:

1. Attended UGC and KSTA sponsored two day national conference on “Present Scenario of Chemical Sciences and its Technological Perspectives” held at Dept. of Chemistry, Karnatak Science College, Dharwad on 10th and 11th of October 2014.

2. Attended International Conference on Direct Digital Manufacturing and Polymers held at Karnatak University, Dharwad, 28th to 31st of October 2015.

3. Attended one day national seminar on “An approach on NMR spectroscopy and group theory in chemistry” held by the PG department of studies in chemistry, J.S.S. College, Vidyagiri, Dharwad on 21st February 2015.

4. Attended IQAC sponsored one day State Level Workshop on “Learn Science by Doing Experiments” organised by Department of Physics & Chemistry, K.L.E. Society’s Gudleppa Hallikeri College, Haveri on 25th September 2019.

5. Attended One day workshop on “NAAC Data Templates and SOP for DVV” organized by IQAC Department of K.L.E. Society’s S.K. Arts College and H. S. K. Science Institute. Hubballi on 18th January 2021

6. Attended One day National Level Workshop on “Eco-Scale Experimental Analysis-An Approach for Trans Disciplinary Research” Organized by Department of Chemistry, K.L.E. Society’s S. Nijalingappa College, Bengaluru on 30th January 2021

7. Organized National Level Poster Competition On “Resetting Our Relation with Nature through Chemistry” on 5th June 2021

Citation Details:

Number of Citations	51
h-index	4
i-10 index	1
Research Gate RG Score	10.45

Personal Details

Official/Mailing

Address

Permanent Address

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Phone number

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laxminj2755@gmail.com

Nationality

Indian

Date of birth

27-11-1987

Languages known

English, Kannada & Hindi