

## FACULTY PROFILE



1. Name (Block letters) : Dr. PRASHANT MAGDUM
2. Date of Birth : 31<sup>st</sup> JULY 1986
3. Mother tongue : KANNADA
4. Blood group : O +VE
5. Present designation : ASSISTANT PROFESSOR
6. Category : III A
7. Residential Address : ANUGRAHA #40, AT POST SHIRAGUR  
TQ: RAIBAG DIST: BELAGAVI- 591311
8. Permanent Address : ANUGRAHA #40, AT POST SHIRAGUR  
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9. Mobile No : +91 9743030731  
Email : prashantm2754@gmail.com

### 10. Academic Qualifications: (from UG course)

Sl. No.	Qualification	University	Year of Passing	Class	Awards
1.	BSc (PCM)	Karnataka University, Dharwad	2009	FIRST CLASS WITH DISTINCTION	--
2.	M.Sc Physical Chemistry	Karnataka University, Dharwad	2011	FIRST CLASS WITH DISTINCTION	1 <sup>st</sup> Rank with Gold-Medal

### 11. Service particulars:

- Worked as assistant professor in J.E. Society's Shri K.A. Lokapur Degree College, Athani [August 2011 to March 2013 and June 2016 to June 2019].
- Working as Assistant Professor in Chemistry in KLES Shri Shivayogi Murugendra Swamiji Arts, Science and Commerce College, Athani. [From 14-06-2019 to till date].

### 12. Research : Completed

- a) Title of the Research : -**“Mechanistic Investigations of Some Bioactive Compounds by Spectroscopic and Electrochemical Methods”**

Publications : National/international : 11

Peer reviewed journals Details:

1. Ruthenium(III) catalysed and uncatalysed oxidative mechanisms of dimethylxanthine drug theophylline by copper(III) periodate complex in alkali media: A comparative approach  
**P. A. Magdum**, A. M. Bagoji and S. T. Nandibewoor\*  
*J. Phys. Org. Chem.*, **28**, 743-754 (2015) **IF: 1.38** (Wiley)

2. Mechanistic investigations of uncatalyzed and ruthenium(III) catalyzed oxidation of pharmaceutically important D-sorbitol by periodate in aqueous alkaline medium  
**P. A. Magdum** and S. T. Nandibewoor\*  
*World J. Pharm. Res.*, **3**, 910-931 (2014)
3. Electrochemical characterization and determination of theophylline by graphite pencil electrode using cetyltrimethyl bromide as an enhancing agent  
**P. A. Magdum**, V. P. Pattar and S. T. Nandibewoor\*  
*Anal. Bioanal. Electrochem.*, **7**, 426-438 (2015)
4. Study on the interaction between antituberculosis drug and bovine serum albumin: Multispectroscopic and cyclic voltammetric approaches  
**P. A. Magdum**, N. M. Gokavi and S. T. Nandibewoor\*  
*Luminiscence* (Accepted) (2016) **IF: 1.52** (Wiley)
5. Investigation of the interaction of the methylxanthine drug theophylline with bovine serum albumin and the effect of some metal ions on the binding: A fluorescence quenching study  
**P. A. Magdum**, A. M. Bagoji and S. T. Nandibewoor\*  
*Talanta* (Communicated) (2022) **IF: 3.49** (Elsevier)
6. Electrochemical behavior of antituberculosis drug ethambutol and its determination at electrochemically pre-treated pencil graphite electrode  
**P. A. Magdum** and S. T. Nandibewoor\*  
*New J. Chem.*, (Communicated) (2022) **IF: 3.08** (RSC)
7. Mechanistic aspects of osmium(VIII) catalysed oxidation of L-glutamic acid by copper(III) periodate complex in an aqueous alkaline medium  
**P. A. Magdum**, M.S. Hegde, B. B. Singh, M.S. Mallapur and S. T. Nandibewoor\*  
*Monatsh. Chem.*, DOI 10.1007/s 00706-016-1672-3(2015) **IF: 1.22** (Springer)
8. Kinetics and mechanistic investigation of oxidation of d-mannitol by periodate in aqueous alkaline medium  
**P. A. Magdum**, B. S. Gundapalli, M.M. Kurubar, and S. T. Nandibewoor\*  
*J. Appl. Chem.*, **3**, 1744-1755 (2014) **IF: 1.09**
9. Mechanistic investigations of uncatalyzed and ruthenium(iii) catalyzed oxidation of vanillin by periodate in aqueous alkaline medium  
D.G. Patil, **P. A. Magdum** and S. T. Nandibewoor\*  
*J. Solution Chem.*, **44**, 1205-1223 (2015) **IF: 1.17** (Springer)
10. Thermodynamic, kinetic and mechanistic investigations of Piperazine oxidation by Diperiodatocuprate(III) complex in aqueous alkaline medium  
V. P. Pattar, **P. A. Magdum**, D. G. Patil and S. T. Nandibewoor\*  
*J. Chem. Sci.*, **128**, 477-485 (2016) **IF: 1.12** (Springer)
11. A critical evaluation of chemistry and modern principle of chemistry  
**P. A. Magdum**\*  
*IJCRT* ISSN 2320-2882, Vol. 9, Issue 11(2021)

### 13. Participation in Symposia, Seminars, Conferences and Workshops.

National	International	Total
10	02	12

14. Presentation of papers in Seminars, Symposia, Seminars, Conferences.

National	International	Total
09	--	09

15. Details of presentations : Topic, place, date etc

- ❖ Attended Department of Chemistry Karnatak University Dharwad and KSTA Sponsored “PG Science Special Lecture” in September 2013.
- ❖ Presented the paper at *32<sup>nd</sup> Annual Conference of Indian Council of Chemists* held at P. G. Department Studies in Chemistry, Karnatak University, Dharwad on 28<sup>th</sup> – 30<sup>th</sup> Nov’ 2013 and awarded “**Prof. S. T. Nandibewoor Award**” for the best oral presentation.
- ❖ Presented the paper at *51<sup>st</sup> Annual Convention of Chemists of Indian Chemical Society*, held at Department of Chemistry, Kurukshetra University, Kurukshetra on 09<sup>th</sup> - 12<sup>th</sup> Dec’ 2014.
- ❖ Presented the paper at *33<sup>rd</sup> Annual Conference of Indian Council of Chemists* held at Department of Chemistry, Institute of Mines, Dhanabad on 15<sup>th</sup> – 17<sup>th</sup> Dec’ 2014.
- ❖ Attended *International Conference on Direct Digital Manufacturing and Polymers-2015* at P. G. Department Studies in Chemistry, Karnataka University, Dharwad on 28<sup>th</sup> – 31<sup>st</sup> Oct’ 2015.
- ❖ Presented the paper at *52<sup>nd</sup> Annual Convention of Chemists 2015 and International Conference on Recent Advances in Chemistry of Indian Chemical Society*, held at Department of Chemistry, JECRC University, Jaipur on 28<sup>th</sup> -30<sup>th</sup> Dec’ 2015 and awarded “**Prof. S. T. Nandibewoor Award**” for the best oral presentation.
- ❖ Presented the paper at *Indian Science Congress*, held at Department of Chemistry, University of Mysore, Mysuru on 03<sup>rd</sup> -07<sup>th</sup> Jan’ 2016.
- ❖ Presented the paper at National Level Conference held at J.E. Society’s S.K.A.L. College Athani on 03<sup>rd</sup> March 2019.
- ❖ Presented the paper at National Level Conference held at K.L.E. Society’s G.I. Bagewadi College Athani on 14<sup>th</sup> Feb 2020.

16. Participation in Orientation and Refresher courses:

Sl. No.	Programme/course	Duration	Name of the University
1	FACULTY INDUCTION PROGRAMME	09-02-2021 TO 08-03-2021	UNIVERSITY OF MYSORE

17. Contribution as Resource Person/judge/Key note speaker/rapporteur/etc:

Title of the lecture or speech	Place & date
Worked as rapporteur in national level seminar “recent trends in polymer chemistry”	KLE’S SSMS COLLEGE ATHANI & 23-03-2018
Worked as resource person for National Science Day	JE’s SKAL College Athani & 28-02-2024
Worked as resource person for world ozone day	JE’s SKAL College Athani & 16-09-2024

18. Teaching Innovations	: Virtual teaching method
19. Extracurricular activities	: --
20. Important responsibilities held	: WORKED AS CONVENER FOR 2 NATIONAL LEVEL CONFERENCES
21. Training Programmes attended	: Short term course in computer designing
22. Computer literacy	: YES
23. Award Received	: 2 YOUNG SCIENTIST AWARDS from ICC and ICS
24. Proficiency in languages	: Kannada, English & Hindi
25. Memberships-Academic/Professional/social	: CHEM-FORUM RUCTA
26. Duties/responsibilities assigned at the college	: Vice Principal, IQAC Co-Ordinator, NCC OFFICER
27. Sports and Hobbies	: Volleyball, Cricket, Shuttle Badminton, Reading Books

### **Instruments Handled for Research Work**

- CHI 630D electrochemical analyzer (CH Instruments Inc., USA).
- A Peltier Accessory (temperature control) attached Varian CARY 50 Bio UV-VIS spectrophotometer (Varian, Victoria-3170, Australia).
- A QP-2010S Shimadzu gas chromatograph mass spectrometer (Japan).
- Nicolet 5700-FT-IR spectrometer (Thermo, USA).
- A RF-5301 PC Hitachi Spectrofluorometer Model F-2000 (Tokyo, Japan) with a 150 W Xenon lamp, a 1cm quartz cell and thermostatic cuvette holder.
- Scanning Electron Microscopic (SEM).
- X-ray Diffraction (XRD).
- Audio Frequency Modulator(AFM)

#### **Positions:**

- 1) Vice Principal of college from November 2022.
- 2) IQAC Co-Ordinator from June 2023.
- 3) NCC Officer from January 2020.

### **DECLARATION**

Above given information is correct and true to the best of my knowledge.

Dr. Prashant Magdum