

# Dr. Sathisha M. P.

## Assistant Professor

Department of Chemistry  
KLE Society's R.L. Science Institute  
Belagavi, Karnataka

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### Education

- **Ph. D. (2004-2008)**  
Department of Chemistry  
Karnatak University  
Dharwad, INDIA
- **M. Sc. (2002-2004)**  
Department of Chemistry  
Karnatak University  
Dharwad, INDIA  
**Awarded - "Two Gold Medals"**
- **B. Sc. (1999-2002)**  
Karnatak Science College, Dharwad  
Karnatak University  
Dharwad, INDIA  
**First Class with Distinction**

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### Postdoctoral Research

- **Postdoctoral Research Fellow**  
Department of Chemistry  
College of Natural Sciences  
Kyungpook National University  
Daegu, South Korea
- **Research Associate**  
Department of Chemistry  
Indian Institute of Technology Bombay (IIT-B)  
Mumbai, INDIA

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### Teaching

- **Assistant Professor (2019 – Present working)**  
Department of Chemistry  
KLE Society's R. L. Science Institute  
Belagavi, Karnataka
  - **Assistant Professor (2011 – 2019)**  
Coordinator – P.G. Chemistry  
Post Graduate Department of Chemistry  
KLE Society's P. C. Jabin Science College  
Hubballi, Karnataka
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## Awards

- **Prof. A. Seetaramachandra Murthy Gold Medal** for standing highest at the M.Sc. Chemistry
  - **Prof. G.K. Narayan Reddy Gold Medal** for standing highest at the M.Sc. Inorganic Chemistry
  - **Best Research Article presentation award in** International conference on emerging areas in chemical and biological sciences - 23<sup>rd</sup> & 24<sup>th</sup> March 2007 at Department of Chemistry, Kuvempu University, Shankaraghatta
  - **Best Poster (Research Article) presentation award** UGC Sponsored One Day State Level Seminar “Advances in Material Science” held on 20<sup>th</sup> January-2017 at K.L.E.’s, P. C. Jabin Science College, Hubballi
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## Fellowships

- **BK-21 Postdoctoral Research Fellowship at Kyungpook National University, Daegu South Korea**
  - **UGC sponsored Research Associate fellowship in DST project at IIT Bombay**
  - **University Research Scholarship (URS)** for securing the highest marks in Chemical Science division from Karnatak University Dharwad during Doctoral studies
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## Research Projects

- **Principal Investigator for the UGC Sponsored Minor Research Project - Completed**  
Design and synthesis of mono/bi-nuclear transition metal complexes: A search for potent electro-catalysts for the reduction of CO<sub>2</sub>  
Dairy No. 1708 - 1414-MRP/14-15/KAKA067/UGC-SWRO [**UGC XII Plan 2014-15**]
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## Rapporteur

- National conference on Recent trends in polymer chemistry- SSMS College, Athani, March 2018,
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## Research Publications

- 20 International Peer reviewed research articles  
( Imfact factor ranges from 1.4 to 4.5)
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## h-index & Citation index

- h-index - 10
  - Citations - 255
  - Total imfact factor - 35.12
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## Research articles communicated

- PEGylated floating microspheres of cellulose acetate butyrate for controlled release of acyclovir  
Keerti Phadke, Lata manjeshwar, Tejraj Aminabhavi, **Sathisha M P**  
*Journal of Drug Delivery Science and Technology*
- Cellulose acetate butyrate bilayer coated microspheres for controlled release of ciprofloxacin  
Keerti Phadke, Lata manjeshwar, Tejraj Aminabhavi, **Sathisha M P**  
*Polymer Bulletin*

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## Proceedings

- Nickel & copper complexes as potent electrocatalysts for the reduction of CO<sub>2</sub>  
Sathisha M. P.  
***Advances in material science, ISBN 978-81-931806-9-3, 2017***
- Synthesis, characterisation, DNA binding and invitro cytotoxic studies of Ru(III) complexes  
***Recent trends in pharmaceutical chemistry for drug discovery, 2015***

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## Scientific Instruments handled

- FTIR spectrometer
- NMR spectrometer
- UV-visible spectrophotometer
- Cyclic voltammometer
- Column chromatographic techniques
- Circular Dichroism spectrometer
- Fluorescence spectrometer
- Faraday and Gouy balance
- Glove box and Schlenk line techniques in handling moisture/air sensitive compounds

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## Responsibilities

- **IQAC Co-ordinator - RLSI Belagavi**
  - **NAAC Co-ordinator - RLSI Belagavi**
  - **President - Institutions Innovation Council (IIC) RLSI Belagavi**
  - **NEP - Coordinator**
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## Member of Statutory Bodies

- **BOS Member** – M.Sc. Industrial Chemistry  
Govt. Arts and Science College, Karwar
  - **Doctoral Committee Member** – Ph. D. Programme  
Visvesvaraya Technological University, Belagavi
  - **BOE Member** – M. Sc. Photonics and Material Science  
Manipal University, Manipal
  - **BOE Member** – M.Sc. Industrial Chemistry  
Govt. Arts and Science College, Karwar
  - **BOE Member** – M.Sc. Chemistry  
Bangalore University, Bangalore
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## Member of Editorial Board

- *American Journal of Applied Chemistry*
  - Proceedings - *Advances in material science*, UGC Sponsored Seminar, 2017  
ISBN 978-81-931806-9-3
  - Proceedings – *Innovative academic & administrative reforms in higher education for global competency*, UGC Sponsored Conference, 2016  
ISBN 978-93-5258-822-0
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## Research Projects Guided

- Pyridine-2-carboxylic acid (pyridine-2-methyl)-amide based palladium and iron catalysts and their application in Suzuki cross-coupling reactions (2012)
  - Novel Palladium Ethylene Polymerization Catalysts Based on Tridentate Pyrazolyl Ligands: Synthesis, Structure and Polymerization Studies (2013)
  - Antimicrobial studies of Co(II), Ni(II) and Cu(II) complexes derived from Isatin Schiff bases (2013)
  - Nickel and Palladium Ethylene Oligomerization and Polymerization Catalysts Derived from N,N'-bidentate heterocyclic Ligands: Synthesis, Characterization and Catalytic Studies (2014)
  - Cobalt and nickel complexes as potent electrocatalysts for the reduction of CO<sub>2</sub> (2015)
  - Nickel and Copper complexes as potent electrocatalysts for the reduction of CO<sub>2</sub> (2016)
  - Catecholase activity of copper complex derived from (2017)
  - Biosensors based on nano structured metal oxides - a comprehensive review (2018)
  - Copper complexes as potent anticancer agents (2019)
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## Research Paper Presentation & Resource person

- Presented in 15 international and National conferences
- Participated in 30 conferences and seminars
- Resource person in 4 conferences and international science exhibition

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## References

- **Dr. V. K. Revankar**  
Teacher, Mentor, Research Guide  
Professor of Chemistry  
P. G. Department of Chemistry  
Karnatak University  
Dharwad – 580003