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EDUCATIONAL QUALIFICATION:

- ✓ **Ph.D in Chemistry (w.e.f. Jan 10th 2020)** – Visvesvaraya Technological University, Belagavi. Research Centre – Srinivas School of Engineering, Mukka, Mangalore.
- ✓ **M.Sc. in Organic Chemistry (2006-2008)** – PG centre, Sahyadri Science College (Autonomous), Kuvempu University, Shivamogga.
- ✓ **B.Sc – PCM (2003-2006)** – Government Science College, Chitradurga.

TEACHING WORK EXPERIENCE:

Total 7 years

- **Currently working as Assistant Professor** in the Dept. of Chemistry at BMS college of Engineering, Bengaluru from 31st October 2022.
- **1 year as Lecturer** in the Dept. of Chemistry at Jnaanamrutha PU College, Ballari from 10th July 2021 to 30th June 2022.
- **5 years as Assistant Professor** in the Dept. of Chemistry at Alva's Institute of Engineering and Technology (AIET), Moodbidri from 22nd July 2016 to 09th July 2021.
- **2 months as Guest Lecturer** in Govt. First Grade Degree College, Holalkere from Aug 2012 to Oct 2012.

RESEARCH WORK EXPERIENCE:

Total 5 years

- ❖ Worked as a **Research Fellow** with a monthly research fellowship for the academic project "Development of nickel-Si₃N₄ composite coatings by pulse electrodeposition method and their corrosion behavior for technological applications" sanctioned by Science & Engineering Research Council - Department of Science and Technology, New Delhi, Government of India [Ref. No. SR/FT/CS/147/2011 dated 13-07-2012] from 2nd November 2012 to 19th February 2016 at Srinivas School of Engineering,

Mukka, Mangalore and continued as **Research Fellow** with a monthly college research fellowship from 20th February 2016 to 21st July 2016.

- ❖ Worked as a **Research Scholar** in PG centre, Sahyadri Science College, Shivamogga from 1st Jan 2011 to 31st July 2012.

Published research papers

1. Characterization & electrochemical behavior of DC & PC methods of electrodeposited Ni-TiO₂-CNTs nanocomposite coatings
R Mohan Reddy, B M Praveen and A Alhadhrami
Physica Scripta, 96 (12), 2021, 5719. ISSN: 1402-4896.
Impact factor: 3.081
Journal quartile: SCIE(Q2)
2. Generation of Ni-Si₃N₄ nanocomposites by DC, PC and PRC electrodeposition methods
R. Mohan Reddy, B.M. Praveen, K.G. Chandrappa & K.O. Nayana
Surface Engineering, 32(7), 2016, 501-507. ISSN: 0267-0844 (Print) 1743-2944 online.
Impact factor: 2.451
Journal quartile: SCIE(Q3)
3. Pulse electrodeposition, characterization and corrosion behavior of Ni-Si₃N₄ composites
R. Mohan Reddy, B.M. Praveen, C.M. Praveen Kumar, T.V. Venkatesha
Journal of Materials Engineering and Performances, 24(5), 2015, 1987 - 1994. [ISSN 1059- 9495](#).
Impact factor: 2.036
Journal quartile: SCIE(Q4)
4. Corrosion Behaviour and Characterisation of Ni-Nb₂O₅ Composites Prepared by Pulse Electrodeposition Method
R. Mohan Reddy, B. M. Praveen, C. M. Praveen Kumar and T. V. Venkatesha
Surface Engineering and Applied Electrochemistry, 53(2), 2017, 179-185. ISSN 1068-3755.
Impact factor: 0.871
Journal quartile: ESCI
5. Ni - Si₃N₄ Electrodeposition, Properties and Corrosion behavior
R. Mohan Reddy, B. M. Praveen, C.M. Praveen Kumar, T.V. Venkatesha
Surface Engineering and Applied Electrochemistry, 53(3), 2017, 258-264. ISSN 1068-3755.
Impact factor: 0.871
Journal quartile: ESCI
6. Development and characterization of Ni-Si₃N₄ nanocomposites
Mohan Reddy R, Praveen B.M, Praveen C.M, Venkatesh T.V, RithinKumarN.B
American Institute of Physics (AIP) - Conference Proceedings 1665, 080031 (2015).
ISSN: N/A
7. Development of Ni-Si₃N₄ nanocomposites by electrodeposition
Praveen B.M, **Mohan Reddy R**

INDUSTRY WORK EXPERIENCE:

2.3 Years

Worked as a **Junior Scientist** in Phytochemistry R&D at Sami Labs Limited, Peenya, Bengaluru from 1-9-2008 to 7-12-2010.

Work Details:

Extraction and Isolation of Phytochemicals from Plants: -

- Extraction of phytochemicals present in well dried plant parts like roots, stems, leaves, fruits, flowers etc. in solvents like hexane, methanol, ethanol, chloroform, ethyl acetate, toluene etc. using multi neck round bottom flasks (cold extraction or hot extraction with condensers in water bath).
- Separation of required compounds by selecting suitable solvents and thin layer chromatography technique.
- Handling rotary evaporator for concentrating.
- Isolation of compounds using column chromatography.
- Purification of compounds by distillation and crystallization.
- Sending compounds for Analytical R&D to check their purity and detailed information using chromatographic methods like HPLC, gas chromatography and spectroscopic methods like mass spectrometry, NMR.
- Successfully obtained compounds from extraction and isolation in small scale level converting to pilot plant scale level.

CONFERENCES/WORKSHOPS/SYMPOSIUMS:

- Participated and presented research paper in 59th DAE Solid State Physics Symposium held at VIT University, Vellore, Tamilnadu during December 16-20, 2014.
- Participated and presented a Oral research paper in the UGC sponsored two day national conference in “World’s Emerging Advancements in Chemical Technology” organized by the Dept. of Chemistry, GovindaDasa First Grade college, Surathkal, Mangaluru, on January 10-11, 2014.
- Participated in the national seminar on “Recent Advances in Chemical Sciences – 15” organized by PG and UG Departments of Chemistry, St Agnes college (Autonomous), Mangaluru on December 17 & 18, 2015.

- Participated and presented a poster at the state level conference on “Science and Technology Challenges for Promoting Innovative Research and Development” jointly organized by Karnataka Science and Technology Academy and Christ University during December 20-21, 2013 at Christ University, Bengaluru, Karnataka.
- Participated in the “Workshop on Metal Finishing Technology & Electroplating” held at the IISC Campus, Bengaluru, on May 8-10, 2013, conducted by The Electrochemical Society of India, IISC Campus, Bengaluru in collaboration with CSIR, New Delhi.
- Participated in the UGC sponsored two days national conference on “Herbal Medicines in the Era of Globalization” organized by the Dept. of Chemistry, Sahyadri Science college (Autonomous), Shivamogga, on September 10-11, 2011.
- Participated in the UGC sponsored workshop on “Through the Instruments-Applications of Analytical Tools” organized by the Dept. of Chemistry, Sahyadri Science College (Autonomous), on March 23rd 2011.