

BIO-DATA OF
Dr. SOWBHAGYA
Assistant Professor
Department of Studies in Organic Chemistry
Manasagangotri, University of Mysore
Mysuru-570006, Karnataka, India

PROFILE

Five years of experience as a researcher. Extensive knowledge in the field of Chemistry, Nanochemistry and Chemical kinetics, to pursue and establish an independent and high quality research program, to engage in relevant professional and seeking a career to share my knowledge and experience with students and gain more experience into the education and teaching field.

ACADEMIC EXPERIENCE

1. Worked as an Assistant professor for M.Sc (Chemistry) at Department of Chemistry, Sarada Vilas Educational institutions from 02-12-2015 to 31-03-2016.

EDUCATION DETAILS

- ✓ B. Sc (Physics, Chemistry Mathematics), Maharani's Science College for Women, Mysore: Year- 2005 to 2008
- ✓ M. Sc (Chemistry), DOS in Chemistry, Manasagangotri, Mysore: Year-2008 to 2010
- ✓ Qualified National Eligibility Test for Lectureship (NET-2014)
- ✓ Qualified Karnataka State Eligibility Test for Lectureship (KSET-2014), University of Mysore, December-2014.
- ✓ Qualified GATE-2010 examination.
- ✓ Ph.D in Chemistry
University of Mysore: Year 2010-2015.

RESEARCH EXPERIENCE

Worked as a Junior and Senior Research Fellow under Rajiv Gandhi National Fellowship (RGNF) for Ph. D. degree in Chemistry entitled "**Electrochemical oxidation of organic compounds and synthesis of metal oxide nano composites: Application to industrial effluents and organic compounds degradation**" under the guidance of Prof. S. Ananda, DOS in chemistry, University of Mysore, Mysuru from 16-11-2010 to 14-10-2015.

- [1].**Sowbhagya**, S. Ananda and Rakesh “Electrochemical degradation of Indigocarmine dye at Ru-doped Platinum anode in aqueous solution” International Journal of Applied Chemistry, Volume 8, Number 2 (2012) pp. 141-152.
- [2].Rakesh, S. Ananda, **Sowbhagya** “Electrochemical degradation of Acridine Orange dye at Ru-doped platinum anode in aqueous solution” International Journal of Chemistry and Applications, Volume 4, Number 3 (2012) pp. 227-239.
- [3].**Sowbhagya**, S. Ananda and Rakesh “Synthesis of Erichrome Black T-Zn²⁺ complex by electrochemical method, Characterization and Kinetic study of the formation of complex” International Journal of Chemistry and Applications, Volume 5, Number 3 (2013), pp. 169-178.
- [4].**Sowbhagya** and S. Ananda “Synthesis and Characterization of Se-doped ZnO Nanoparticles by Electrochemical Method: Photodegradation Kinetics of Indigo Carmine Dye and Study of Antimicrobial, Antimitotic Activities of Se-doped ZnO Nanoparticles” American Chemical Science Journal, volume 4, Number 5 (2014) pp. 616-637.
- [5].**Sowbhagya** and S. Ananda “Synthesis and Characterization of Co-doped ZnO nanoparticles by electrochemical method: photodegradation kinetics of bromophenol blue dye, textile effluent and study of antibacterial activity” Journal of Nanoscience, Nanoengineering & Applications, vol 5, no 1 (2015) pp. 1-13.
- [6]. **Sowbhagya** and S. Ananda “Synthesis and Characterization of Mo-Doped ZnO Nanoparticles by Electrochemical Method: Photodegradation Kinetics of Methyl Violet Dye and Study of Antibacterial Activities of Mo-Doped ZnO Nanoparticles” International Journal of Nanomaterials and Biostructures, volume 5, number 1 (2015) pp. 7-14.

CONFERENCES ATTENDED

- [1].National Conference on Recent Trends in Chemistry at PES College, Mandya from 16th-17th September 2011.
Level of participation: Presented a poster and got 3rd prize.
- [2].5th Bangalore Nano, International conference happened at The Lalith Ashok from 5th-7th December, 2012.
Level of participation: Participated.
- [3].100th International Science Congress happened at University of Calcutta, Kolkata from 3rd-7th January, 2013.
Level of participation: Presented a poster.
- [4].6th Bangalore Nano, International conference happened at The Lalith Ashok from 4th-6th December, 2013.
Level of participation: Presented a poster.

- [5]. Technical workshop on Exploring SciFinder (Chemical Abstracts) for Scientific Research in Academia at Department of Studies in Chemistry, University of Mysore, Mysore on 4th January 2014.
Level of participation: Participated.
- [6]. UGC sponsored state level seminar on Modern techniques in chemical and Bio-chemical analysis at Department of Chemistry, A. V. Kanthamma College for Women, Hassan held on 10th September 2014.
Level of participation: Participated.
- [7]. 7th Bangalore Nano, International conference happened at The Lalith Ashok from 4th-6th December, 2014.
Level of participation: Presented a poster.
- [8]. UPE project, University of Mysore sponsored National conference on Pure and Applied Chemistry (Golden jubilee celebrations of Department of Studies in Chemistry, University of Mysore, Mysore) at Department of Studies in Chemistry, University of Mysore, Mysore from 29th-31st December 2014.
Level of participation: Presented a poster.
- [9]. UGC sponsored one day national conference at Bharathi College, Bharathinagara, Mandya held on 10th January 2015.
Level of participation: Participated.
- [10]. One day national seminar on Interfacing innovation and IPR for diffusion of technology at ATME College of Engineering, Mysore on 19th January 2015.
Level of participation: Participated.