

PERSONAL INFORMATION

Name : Dr. Sheeba Daniel
Designation : Assistant Professor
Date of Joining : 01-07-2014
Area of Specialization : Coordination Chemistry and Photochemistry
Mobile Number : 9442402602
E-mail : sheebadaniel@holycrossngl.edu.in
sheebajeense@gmail.com



Ph.D Scholars Under Guidance

S. No.	Name of the Scholar	Registration No. and Date of Registration	Full Time/ Part Time	Status	Name of the University
1.	S. Arul Mary	Reg. No. 20123042032005 07-03-2020	Part Time	Doing	M.S. University Tirunelveli
2.	S. Santhiya	Reg. No: 18213042032009 05-07-2018	Full Time	Doing	M.S. University Tirunelveli

Student Projects Sanctioned and Completed

S. No	Title of the Project	Name of the Funding Agency & Ref. No.	Amount Received (Rs.)	Year of Sanctioning
1	Binding studies of ruthenium(II) phenanthroline-phenadione complexes with amino acids	TNSCST/SPS/AR/2019-2020 Project Code: PS-049	7,500/-	2020
2	Photocatalytic degradation of malachite green and rhodamine B dye using titanium dioxide and silver nanoparticles	TNSCST/SPS/AR/2017-2018 Project Code: PS-015	10,000/-	2018

No. of Articles Published in Journals : 20 (International)
11 (National)

No. of Papers Published in Seminar/Conferences Proceedings : 20 (International)
41 (National)

Research Articles Published in International / National Journals (last five years)

1. Vegetable peel extract mediated synthesis of silver nanoparticles and its antimicrobial activities. *Research Journal of Chemistry and Environment*, Vol. 24, Page No: 39-44, 2020.
2. In vitro study of ruthenium(II)-phenanthroline-phenidone complex on SK-MEL-28 and L6 cell lines. *Journal of Xi'an Shiyou University, Natural Science Edition*, Vol. 16, Page No: 38-44, 2020.
3. Amino acid binding nature of ruthenium(II)-polypyridyl-phenidone complexes in aqueous medium. *Studies in Indian Place Names*, Vol. 40, Page No: 274-285, 2020.
4. In vitro anti-proliferative effect of ruthenium(II)-bipyridine-phenidone complex on SK-Mel-28 cell line. *Think India Journal*, Vol. 22, Page No: 515-523, 2019.
5. DNA cleavage activity of ruthenium(II)-phenanthroline-phenidone complex on *Escherichia Coli* genomic DNA. *Crossian Resonance*, Vol. 10, Page No: 107-113, 2019.
6. Photodegradation of malachite green using Ag/TiO₂ nanocomposites. *Crossian Resonance*, Vol. 10, Page No: 145-153, 2019.
7. Biological evaluation of dihydropyrimidinone synthesised from vanillin, ethylacetoacetate and urea using gooseberry extract. *Asian Journal of Chemistry*, Vol. 31, Page No: 1509-1513, 2019. Global Impact Factor: 0.19
8. Effect of solvent on the luminescence quenching of ruthenium(II) - polypyridyl complexes with polyphenols. *Journal of Chemical and Pharmaceutical Research*, Vol. 10, Page No: 10-15, 2018. Global Impact Factor: 0.75
9. Binding of tris(bathophenanthroline)disulphonate)ruthenium(II) cation with polyphenols in aqueous medium. *Crossian Resonance*, Vol. 9, Page No: 49-55, 2018.
10. Photocatalytic activity of titanium dioxide and silver nanoparticles on the degradation of alizarin red dye. *Crossian Resonance*, Vol. 9, Page No: 81-90, 2018.
11. Antimicrobial evaluation of Schiff base synthesised from cinnamaldehyde and aniline using gooseberry extract. *Crossian Resonance*, Vol. 9, Page No: 74-80, 2018.
12. Luminescence quenching of tris(4,4'-dinonyl-2,2'-bipyridyl)ruthenium(II) cation with phenolate ions in DMSO. *Arabian Journal of Chemistry*, Vol. 10, Page No: S2429-S2435, 2017. Global Impact Factor: 4.553

13. Synthesis, characterization and antimicrobial activity of Schiff base from benzaldehyde and para-toluidine using lemon extract. *Crossian Resonance*, Vol. 8, Page No: 77-82, 2017.
14. Importance of hydrophobic interactions on the luminescence quenching of Ru(II)-polypyridyl complexes with phenolic acids and quercetin in Triton X-100. *Journal of Chemistry and Materials Research*, Vol. 6, Page No: 37-45, 2017. JIF: 3.55
15. Quenching of tris(4,4-dinonyl-2,2'-bipyridyl)ruthenium(II) complex with gallic acid and quercetin in DMSO. *International Journal of Latest Trends in Engineering and Technology*, Special issue, Page No: 22-29, 2017. Global Impact Factor: 0.685
16. Photocatalytic activity of nanotitania and silver nanoparticles on the degradation of malachite green. *International Journal of Latest Trends in Engineering and Technology*, Special issue, Page No: 30-35, 2017. Global Impact Factor: 0.685
17. Synthesis, characterization and antimicrobial activity of Schiff base from benzaldehyde and para-toluidine using gooseberry extract. *International Journal of Latest Trends in Engineering and Technology*, Special issue, Page No: 36-39, 2017. Global Impact Factor: 0.685
18. Effect of pH on the binding of tris(2,2'-bipyridyl)ruthenium(II) complex with polyphenols in aqueous medium. *International Journal of Latest Trends in Engineering and Technology*, Special issue, Page No: 40-44, 2017. Global Impact Factor: 0.685
19. Binding of ruthenium(II)-polypyridyl complexes with gallic acid and quercetin in Triton X-100. *Crossian Resonance*, Vol. 8, Page No: 144-150, 2017.
20. Photocatalytic degradation of malachite green using silver nanoparticles synthesised from gooseberry extract. *Journal of Chemistry and Materials Research*, Vol. 5, Page No: 68-73, 2016. JIF: 3.55.
21. Binding of tris (1,10-phenanthroline)ruthenium(II) cation with polyphenols in aqueous medium. *International Journal of Innovative Research in Science, Engineering and Technology*, Vol. 5, Page No: 10296 -10301, 2016. Global Impact Factor: 0.544
22. Luminescence quenching of tris(2,2'-bipyridyl)ruthenium(II) cation with phenolate ions in aqueous medium. *Crossian Resonance*, Vol. 7, Page No: 117-122, 2016.
23. Peel extract mediated synthesis, characterization and antimicrobial activity of silver nanoparticles using pumpkin. *Crossian Resonance*, Vol. 7, Page No: 95-100, 2016.

Book Chapter Published

Natural acid catalyzed synthesis and biological evaluation of dihydropyrimidinone derivative synthesised from vanillin ethylacetoacetate and urea. Current Perspectives on Chemical Sciences, Vol. 3, Chapter 13, Page No:127-136, 2020. Book International Publisher. ISBN: 978-93-90431-73-1.

Seminar/Workshop Organized

1. Organizing secretary of the Webinar on “Role of IPR in Innovation”, organized by the Department of Chemistry, Holy Cross College (Autonomous), Nagercoil on 28th November 2020.
2. Organizing secretary of International Webinar on “Optical Spectroscopy”, organized by the Department of Chemistry, Holy Cross College (Autonomous), Nagercoil on 19th June 2020.
3. Organizing secretary of Two Days State Level Technical Workshop on “Intellectual Property Rights”, organized by TNSCST and Holy Cross College (Autonomous), Nagercoil on 5th and 6th December 2019.
4. Organizing secretary of National Seminar on “Emerging Frontiers in Nano Science”, Department of Chemistry, Holy Cross College (Autonomous), Nagercoil on 27th August 2015.

Awards/Recognition Received

1. Young Researcher Award by Voice of Teachers, Nagercoil on 4th March 2017.
2. Best Paper Presentation Award in National Symposium on Recent Advances and Applications in Chemistry organized by the Department of Chemistry, Annai Velankanni College, Tholayavattam on 10th February 2017.
3. Best Paper Presentation Award in International Conference on Recent Advances in Materials Research and its Applications organized by the Department of Chemistry, St. Xavier’s College (Autonomous), Palayamkottai on 16th December 2015.
4. Best Paper Presentation Award in GIAP Journal and Association of Chemistry Teachers Mumbai sponsored National Conference on Innovations in Chemical Sciences and Technology organized by the Department of Chemistry, Scott Christian College (Autonomous), Nagercoil on 21st August 2015.

Reviewer in Journals

1. Journal of Fluorescence, Springer Publications.
2. Journal of Nanoparticles, Springer Publications