



SCOTT CHRISTIAN COLLEGE (Autonomous), Nagercoil.

Department of Chemistry and Research Centre

Name : Dr. A. Yardily

Designation : Assistant Professor

Qualification : Ph.D

Date of Birth : 06-06-1982

Gender : Male

Date of Appointment : 27-08-2009

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Approved Guide by : Manonmaniam Sundaranar University, Tirunelveli



Ongoing Research Scholars :

S.No	Name	Title	Reg No	Full time / Part time
1	Asher Nebin R.T	A study of natural radioactivity along southern coast of India with special reference to radon and thoron	20213162031004	Full time
2	Barzi Jeba . S	Design, synthesis, characterization, insilico molecular features and pharmacological studies of selective metal complexes	21213162032021	Full time
3	Asokan N.K	Relevance of Hydrogen isotopes in nuclear power plants. A comparative study	241231614003	Part time



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		based on pressurized light water and heavy water reactors		
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Completed Research Scholars:

S.No	Name	Title	Completed year	Reg No	Full time / Part time
1	Jino Johnson	Studies on some novel metal complexes- biological and catalytic applications	2022	17213162031018	Full time
2	M. Fathima Shahana	Studies on bioactive thiophene compounds	2022	17213162032015	Full time

List of Publications:

1. Remya D.S, Salin Raj S.S and **Yardily. A**, A study of bio-diesel production and its characterization by using homogeneous catalyst, International Journal of Chemical Sciences, 2023, 7,17.
2. B. Jone Magadelin, S. Ajith Sinthuja, S. Begila David, **A. Yardily**, A novel synthesis of phyto mediated silver nano particles and its bacterial performance against microbes, Materials Today: Proceedings, 2022, 68, 640.
3. Jino Johnson, **A. Yardily** Co(II), Ni(II), Cu(II), and Zn(II) metal complexes of chalcone: Synthesis, characterization, thermal, antimicrobial, photocatalytic degradation of dye and molecular modeling studies, **Applied Organometallic Chemistry**, 2022, e-6465.



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4. Jino Johnson, **A. Yardily**, Spectral, modeling and biological studies on a novel (E)-3-(3-bromo-4-methoxyphenyl)-1-(thiazol-2-yl)prop-2-en-1-one and some bivalent metal(II) complexes, **Journal of Molecular structure**, 2021, 1244, 130991.
5. Fathima Shahana M & **Yardily A**, Synthesis, Quantification, DFT Calculation and Molecular Docking of (4-amino-2-(4-methoxyphenyl)aminothiazol-5yl)(thiophene-2-yl)methanone, **Indian Journal of Biochemistry & Biophysics**, 2020, 57, 606.
6. **A. Yardily**, M. Fathima Shahana, Jino Johnson, Shijula Lindry & T F Abbs Fen Reji Design, synthesis, characterization, bio-molecular docking studies, and biological activity of (4-amino-2-(aryl/alkylamino)thiazol-5-yl)(6-methylbenzo[d]thiazol-2-yl)methanone derivatives, **Indian Journal of Chemistry**, 2021, 60B, 1621
7. Jino Johnson, **A. Yardily**, Synthesis, spectral investigation, thermal, molecular modeling and bio-molecular docking studies of a thiazole derived chalcone and its metal complexes, **Journal of Coordination Chemistry**, 2020, 73, 1712.
8. M.F. Shahana, **A. Yardily**, Synthesis, spectral characterization, dft, and docking studies of (4-amino-2-(phenylamino)thiazol-5-yl)(thiophene-2-yl)methanone and (4-amino-2-(4-chlorophenyl)amino)thiazol-5-yl)(thiophene-2-yl)methanone, **Journal of Structural Chemistry**, 2020, 61, 1443.
9. Jino Johnson, **A. Yardily**, Chalconoid metal chelates: spectral, biological and catalytic applications. **Journal of Coordination Chemistry**, 2019, 72, 2437.
10. **A. Yardily** and N. Sunitha, Green synthesis of iron nanoparticles using hibiscus leaf extract, characterization, antimicrobial activity, *International Journal of Scientific Research and Review*, 2019, 8,32
11. **A. Yardily**, V. AnuDanie, Bojaxa A. Rosy and T. F. Abbs Fen Reji, Antimicrobial evaluation of diaminothiazoloylbenzothiazoles, **Journal of Saudi Chemical Society**, 2016, 20, 278.



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12. **A. Yardily**, T.F. Abbs Fen Reji, Molecular structure, Vibrational assignment, HOMO-IUMO and Mulliken analysis of 2-[4-amino-2-(4-methylphenylamino)thiazol-5-oyl}benzothiazole(AMPATOB), *Green chemistry & Technology Letters*, 2016, 2, 38
13. **Yardily** and T. F. Abbs Fen Reji, Antioxidant potential of novel 2-(4-amino-2-arylaminothiazol-5-oyl)benzothiazoles, *International Journal of Pharma and Biosciences*, 2014, 5(4), 74.
14. S. SelvinPragalath Paul, **A. Yardily** and T. F. Abbs Fen Reji, Synthesis of anticancer compounds 2-(4-amino-2-arylaminothiazol-5-oyl)-N-methylbenzimidazoles, *Indian Journal of Chemistry*, 2013, 52B, 560.

Project Details

1. Minor project entitled "**Synthesis and biological evaluation of Thiophene ketothiazole**"(PRINCIPAL INVESTIGATOR), Sponsored by University Grants Commission (UGC) New Delhi, (MRP-6425/16(SERO/UGC)) during 31/07/2017 to 01/07/2019. Amount- 2,40,000/- [Completed].

Awards

- Young Scientist Fellowship award by Tamil Nadu State Council of Science and Technology in the year 2019
- Valuable research publication award by Scott Alumni Association in the year 2020
- Valuable research publication award by Scott Alumni Association in the year 2021



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Seminar/Conference Organised:

S.No	Title	Seminar/ Conference	State level/ National/ International
1	Recent Trends in Nano Science	Seminar	National
2	Modern Trends in Chemical Sciences	Seminar	National
3	Innovative Research in Chemical Science	Conference	International
4	Challenges in Understanding Gandhiji in Modern time	Webinar	State level
5	Skill Development Programme on Chemistry from labs to industries	Webinar	State level

Served as Doctoral Committee Member:

1. Ms. S. Sibmah- Guide- Dr. E. K. Kirupa Vasam, NMCC, Marthandam
2. Ms. Mary Vasantham- Guide- Dr. Selvin Pragalath Paul, NMCC, Marthandam

Served as Resource Person:

1. Young Student Scientist Programme conducted by TNSCST for School students at Scott Christian College (Autonomous), Nagercoil on 18.05.2017.
2. Delivered a lecture in 'Mossbauer spectroscopy' at Sarah Tucker College (Autonomous) Palayamkottai, Tirunelveli on 07.08.2020.
3. Digital content script reviewer for XII- Chemistry teachers at SCERT, DPI Campus, Chennai from 4.1.2022 to 7.1.2022
4. Delivered a lecture for Orientation Programme for NSS Volunteers at Nesamony Memorial Christian College, Marthandam on 08.08.2022.
5. Delivered a lecture in 'Chemistry in Life' at Sree Devi Kumari Women's College, Kuzhithurai on 20.02.2023



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6. Delivered a lecture in 'Chemistry of food products' at Sarah Tucker College (Autonomous) Palayamkottai, Tirunelveli on 31.07.2024.
7. Delivered a lecture in 'Fascinating Realm of Nutraceutical Products' at Women's Christian College, Nagercoil on 11.09.2024.

Additional Responsibilities:

1. Mentor Committee Coordinator (2017-2019)
2. NSS Programme officer (2019-2022)
3. UBA Coordinator (2019-2024)
4. Assistant Controller of Examinations (2021 to still date)
5. Member P.G Board of studies at Manonmanam Sundaranar University, Tirunelveli.(2024)