



## FACULTY PROFILE

Name	<b>DR. NISSY ANN HARRY</b>
Designation	<b>ASSISTANT PROFESSOR</b>
Department	<b>DEPARTMENT OF CHEMISTRY</b>

### PERSONAL VISION AND MISSION

**Empower students to pursue their academic and career passions**

### PERSONAL DETAILS

Date of entry into permanent service	<b>29-11-2021</b>
Total teaching experience as of 01 November 2025	4 years
Residential Address	Kadathethu Puthen Veedu, Thumpamon P. O, Pathanamthitta
Address for Correspondence	Kadathethu Puthen Veedu, Thumpamon P. O, Pathanamthitta
E-mail (Personal and Official)	<a href="mailto:nissyannharry@gmail.com">nissyannharry@gmail.com</a> <a href="mailto:nissyharry@catholicate.ac.in">nissyharry@catholicate.ac.in</a>

### ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University
UG	<b>Chemistry</b>	Catholicate College, Pathanamthitta
PG	<b>Organic Chemistry</b>	School of Chemical Sciences, M.G. University, Kottayam
Ph D	<b>Chemistry</b>	School of Chemical Sciences, M.G. University, Kottayam
Additional Qualifications	<b>CSIR-JRF-NET</b>	CSIR
	<b>KSCSTE Research</b>	Kerala State Council for Science, Technology and Environment



	<b>Fellowship</b>	
	<b>GATE</b>	

### COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
Clean Campus Safe Campus	Member	2023-2025
Tourism Club	Member	2023-till date
Women's Cell	Member	2023-till date
Alumni Association	Member	2023-2025
Library Promotion Council	Member	2024-till date

### POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Question Paper Setter	FYUGP 3 <sup>rd</sup> Semester Question Paper Setter
	Question bank of Fourth Semester PG CSS Examination- question bank Upgradation Initiative of the University

### RESEARCH AND CONSULTANCY

Year of Award of Ph.D.	2021
No. of Publications	33
No. of papers presented in Conferences, Seminars, Workshops and Symposia	14

### PUBLICATIONS AND PRESENTATIONS

International/ National Publications	<ul style="list-style-type: none"> <li>Anticancer activity of synthetic bis (indolyl) methane-ortho-biaryls against human cervical cancer (HeLa) cells Chemico-Biological Interactions, 247, 2016, 11-21</li> </ul>
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- **A novel Zinc-catalyzed Cadiot-Chodkiewicz cross-coupling reaction of terminal alkynes with 1-bromoalkynes in ethanol solvent**  
Molecular Catalysis, 440, 2017, 140-147
- **Recent Advances in the Chemistry of Masked Ortho-Benzoquinones and Their Applications in Organic Synthesis**  
Asian Journal of Organic Chemistry, 6, 2017, 945-966
- **Recent Advances and Perspectives on the Zinc-Catalyzed Nitroaldol (Henry) Reaction**  
Asian Journal of Organic Chemistry, 6, 2017, 1349-1360
- **Zinc-Catalyzed Etherification Reaction of Aryl Iodides with Phenols**  
ChemistrySelect, 3, 2018, 3984-3988
- **Recent Developments and Perspectives in the Asymmetric Mannich Reaction**  
Asian Journal of Organic Chemistry, 7, 2018, 613-633
- **Cobalt-catalyzed C–H activation: recent progress in heterocyclic chemistry**  
Catalysis Science & Technology, 8, 2018, 5983-6018
- **Novel cobalt-valine catalyzed O-arylation of phenols with electron-deficient aryl iodides**  
Monatshefte für Chemie, 150, 2019, 339-346
- **Recent Advances and Prospects in the Chemistry of o-Benzoquinones**  
ChemistrySelect, 4, 2019, 9124-9134
- **A Novel Ligand-free Manganese-catalyzed C-O Coupling Protocol for the Synthesis of Biaryl Ethers**  
ChemistrySelect, 4, 2019, 5150-5154.
- **Recent trends and applications of the Cadiot–Chodkiewicz**  
Organic & Biomolecular Chemistry, 17, 2019, 9081-9094
- **Recent Advances and Prospects of Organic Reactions “On Water”**  
ChemistrySelect, 4, 2019, 12337-12355
- **A novel catalyst-free, eco-friendly, on-water protocol for the synthesis of 2, 3-dihydro-1H-perimidines**  
Tetrahedron Letters, 60, 2019, 150946



- **Novel one step synthesis of imidazo [1, 2-a] pyridines and Zolimidine via iron/iodinecatalyzed Ortoleva-King type protocol**  
Tetrahedron Letters, 60, 2019, 150950
- **Copper-Catalysed Multicomponent Syntheses of Heterocycles**  
Asian Journal of Organic Chemistry, 8, 2019, 197-233
- **Recent advances and prospects in nickel-catalyzed C–H activation**  
Catalysis Science & Technology, 9, 2019, 1726-1743
- **An Overview of Microwave-Assisted Kabachnik-Fields Reactions**  
ChemistrySelect, 5, 2020, 4422-4436
- **Recent advances and prospects in the metal-free synthesis of quinolines**  
Organic and Biomolecular Chemistry, 18, 2020, 9775-9790
- **Recent Advances and Perspectives in the Copper-Catalysed Amination of Aryl and Heteroaryl Halides**  
ChemistrySelect, 5, 2020, 736-753
- **A novel catalyst-free mechanochemical protocol for the synthesis of 2,3-dihydro-1Hperimidines**  
Journal of Heterocyclic Chemistry, 57, 2020, 2037-2043
- **A novel eco-friendly on-water protocol for the synthesis of 2,2-disubstituted 2,3-dihydro1H-perimidines**  
Journal of Heterocyclic Chemistry, 58, 2021, 375-381
- **Novel synthesis of 2-Aminothiazoles via Fe (III)-Iodine-catalyzed Hantzsch-type condensation**  
Journal of Heterocyclic Chemistry, 58, 2021, 646-653
- **A Comprehensive Overview of Perimidines: Synthesis, Chemical Transformations, and Applications**  
Current Organic Chemistry, 25, 2021,248
- **Recent Advances in [5+2] Cycloadditions**  
Current Organic Chemistry, 26, 2022, 735-744
- **Synthesis of Biologically Active Peptides Using Newly Designed N-Vinyl Pyrrolidone Incorporated Flexible Crosslinked Polystyrene,**  
Oriental Journal of Chemistry, 2022, 38, 1217-1226



	<ul style="list-style-type: none"> <li>● <b>Chemical Synthesis of Modularly Modified Analogs of E2/NS1 Peptides on a Novel Chemically and Mechanically Stable Terpolymer of 1,6-Hexanediol Diacrylate, N-Vinylpyrrolidone on Styrene Support</b> Trends in Science, 20, 2023, 6840-6848</li> <li>● <b>A Novel Chemically and Mechanically Stable Terpolymer for Acyl and Retro Acyl Carrier Protein Fragment Synthesis: A Comparative Study with Merrifield Resin</b> Indian Journal of Natural Sciences, 14, 2023, 12, 5055-5061</li> <li>● <b>Proximate composition analysis of some commonly available fishes of Kerala</b> International Journal of Biology, Pharmacy and Allied Sciences, 2023, 12, 5055-5061</li> <li>● <b>Study of relationship of adiposity to performance among children between ages 13 to 16 years using Kraus-Weber test</b> International Journal of Biology, Pharmacy and Allied Sciences, 2023, 12, 336-347</li> </ul>
Chapters in Books	<ul style="list-style-type: none"> <li>● <b>Copper catalyzed amination</b> Book: Copper catalysis in organic synthesis; 2020, Wiley-VCH, Germany</li> <li>● <b>Organic reactions in water</b> Book: Green organic reactions; 2021, Springer Nature, Singapore.</li> <li>● <b>Aryl Halides Carbonylation with Homogeneous Catalysts</b> Adv. In Cat. Vol.3- Homogeneous Carbonylation and Hydroformylation Reactions, 2023, Elsevier</li> <li>● <b>An Introduction to Organic Transformations in Water</b>, Organic Transformations in Water: Principles and Applications, 2024, Wiley-VCH</li> </ul>
Proceedings of international/ National symposiums	<ul style="list-style-type: none"> <li>● Oral presentation in National seminar on Recent Advances in Chemical Sciences [RACS 2020] on 7th and 8th February, 2020, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala. (Proceedings of RACS 2020, p 21).</li> <li>● Oral presentation in International Workshop on Catalysis and Applications (IWCA-2020) on 28-30th January 2020, School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam, Kerala.</li> <li>● Oral presentation in 32nd Kerala Science Congress on 25-27th January 2020, Yuvakshetra Institute of Management Studies, Mundoor, Palakkad, Kerala. (Proceedings of KSC 2020, p. 61).</li> <li>● Oral presentation in National seminar on Current Trends in Organic and Computational Chemistry on 14th and 15th February, 2019, Department of Chemistry, Morning Star Home Science College, Angamaly, Kerala. (Proceedings of National Seminar, p 32)</li> </ul>



	<ul style="list-style-type: none"> <li>● Oral presentation in 31st Kerala Science Congress on 2nd and 3rd February, 2019, Fatima Matha College, Kollam, Kerala. (Proceedings of KSC 2019, p. 46).</li> <li>● Oral presentation in International conference on Multidisciplinary Research on 5th January, 2019, Post Graduate and Research Department of Chemistry, St. Albert's College, Ernakulam, Kerala (Proceedings of AKS 2019, p. 33).</li> <li>● Oral presentation in International conference on Sustainable Innovations in Green Chemistry &amp; New Technological Developments on 11th and 12th December, 2018, Post Graduate and Research Department of Chemistry, Maharaja's College, Ernakulam, Kerala.</li> <li>● Poster presentation in National seminar on Neoteric Advances in Chemical Sciences on 11th and 12th October, 2018, Department of Chemistry, University of Kerala, Thiruvananthapuram, Kerala. (Proceedings of NACS 2018, p. 45).</li> <li>● Oral presentation in National seminar on New Frontiers in Theoretical Chemistry (NFTC 2018) on 19th and 20th January, 2018, Department of Chemistry, Catholicate College, Pathanamthitta, Kerala. (Proceedings of NFTC 2018, p. 104).</li> <li>● International Conference on New Frontiers and Developments in Chemistry (NFDC-2023) on 6 &amp; 9 January, 2023 held at Catholicate College, Pathanamthitta</li> <li>● National Seminar on Innovative Chemical Techniques For Sustainable Development on 23,24 February 2023 at St. Alberts College, Eranakulam</li> <li>● Resource Person at one-day workshop on Techniques in Chemistry on 26 November 2022 held at Catholicate College, Pathanamthitta</li> <li>● International Seminar on New Frontiers and Developments in Chemistry (NFDC 2023) on 6, and 9<sup>th</sup> January 2023, Catholicate College, Pathanamthitta, Kerala. .</li> <li>● International Conference on Cyber Security on 8 November 2022, held at Catholicate College, Pathanamthitta</li> </ul>
<p>Paper Presentations (International/ National )</p>	<ul style="list-style-type: none"> <li>● Oral presentation in National seminar on Recent Advances in Chemical Sciences [RACS 2020] on 7th and 8th February, 2020, School of Chemical Sciences, Mahatma Gandhi University, Kottayam, Kerala. (Proceedings of RACS 2020, p 21).</li> <li>● Oral presentation in International Workshop on Catalysis and Applications (IWCA-2020) on 28-30th January 2020, School of Pure and Applied Physics, Mahatma Gandhi University, Kottayam, Kerala.</li> <li>● Oral presentation in 32nd Kerala Science Congress on 25-27th January 2020, Yuvakshetra Institute of Management Studies, Mundoor, Palakkad, Kerala. (Proceedings of KSC 2020, p. 61).</li> <li>● Oral presentation in National seminar on Current Trends in Organic and Computational Chemistry on 14th and 15th February, 2019, Department of Chemistry, Morning Star Home Science College, Angamaly, Kerala. (Proceedings of National Seminar, p 32)</li> <li>● Oral presentation in 31st Kerala Science Congress on 2nd and 3rd February, 2019, Fatima Matha College, Kollam, Kerala. (Proceedings of KSC 2019, p. 46).</li> <li>● Oral presentation in International conference on Multidisciplinary Research on 5th January, 2019, Post Graduate and Research Department of Chemistry, St. Albert's College, Ernakulam, Kerala (Proceedings of AKS 2019, p. 33).</li> </ul>



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### WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
Co-ordinator	<p><b>Co-ordinator</b>, Career Orientation Program, 18-07-2025</p> <p><b>Co-ordinator</b>, CHEM-LUMINAS, Interaction with Alumni, 18-07-2025</p> <p><b>Co-ordinator</b>, Career guidance, 27-08-2025</p> <p><b>Co-ordinator</b>, Certificate Course on Scientific Waste Management, 16-03-2024 to 20/04/2024</p> <p><b>Co-ordinator</b>, Alumni Lecture Series Inauguration, November 27, 2023</p> <p><b>Convenor</b>, Two-day International Conference on New Frontiers and Developments in Chemistry, January 6&amp; 9, 2023</p> <p><b>Co-ordinator</b>, Hiroshima Observance Day, August 17, 2022</p>

### WORKSHOPS /FDP/ORIENTATION/REFRESHERCOURSES ATTENDED

Name	Details



<p>One week online Faculty Development Programme</p> <p>One week workshop</p>	<ul style="list-style-type: none"> <li>• Online Refresher Course on “Material Science in building Bharat”, offered by UGC-MMTTC, Saurashtra University, Rakot, Gujarat, from 6 January 2025- 18 January 2025</li> <li>• 4-week Online Faculty Induction/ Orientation Programme, organised by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi, from 22 July 2023 to 20 August 2023</li> <li>• Seminar on Regulations And Frameworks for Four Year Undergraduate Programme (FYUGP) held on 18 November 2023 organised by IQAC, Catholicate College, Pathanamthitta, Kerala.</li> <li>• NEP 2020 Implementation: Approaches, Challenges &amp; Opportunities held at Catholicate College on 4 March 2023.</li> <li>• Online Hands-on Training on Learning Management System (MOODLE), organised by the Faculty Development Centre of the Kerala State Higher Education Council in association with the Digital University of Kerala from 11th to 17th May 2022</li> <li>• Outcome based education training conducted at Catholicate College, Pathanamthitta on 20th and 21<sup>st</sup> May 2022</li> <li>• NEP: 2020: Reforms in higher education, held at K.G. College, Pampady, Kottayam on 26-03-2022</li> <li>• National webinar on Nanotechnology for advanced application held at Catholicate College on 14-01-2022</li> <li>• National Webinar on Nanotechnology in Personalized Medicine, by National Institute of Technology, Karnataka on 31-10-2021</li> <li>• 10-Day Hands-on Training on Advanced Molecular Docking organized by SAFI Institute on Advanced Study, Calicut, Kerala, in association with SIAS Research Forum from 16 – 26 October 2021</li> </ul>
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#### MEMBERSHIP IN PROFESSIONAL BODIES

- Lifetime member of Magnetic Resonance Society of Kerala (MRS-Kerala)

Dr. Nissy Ann Harry

20-11-2025

Name and Signature of Teacher with date

