

<b>Name</b>	<b>Dr. C. Zozimus Divya Lobo</b>
<b>Qualification</b>	<b>M.Sc., M.Phil., Ph.D.,</b>
<b>Designation</b>	<b>Assistant Professor</b>
<b>Year of Joining</b>	<b>23.11.2023</b>
<b>Specialization</b>	<b>Organic Chemistry and Computational Chemistry</b>
<b>Email id</b>	<b>zozimusraja@gmail.com</b>



### Seminars/Workshops/FDP/ Conferences

<b>Title of Workshop/ Seminar/ FDP/ Conferences</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Navigating Consultancy, Filing Patent and Designing Research Article: Insights and Strategies	National seminar	Participated	-	Marian Research Forum and IQAC, St.Mary's College (Autonomous), Thoothukudi	20.01.2024
Creating Documentation as Tools for Teaching in Higher Education	National Workshop	Participated	-	The centre for Education Beyond Curriculum (CEDBEC), Christ (Deemed to be University), Bangalore.	28.11.2023 - 29.11.2023
Advanced Materials (ICAM 2020)	International Conference	Participated	-	The School of Physical Sciences, St. Mary's College (Autonomous), Thoothukudi.	30.01.2020 - 31.01.2020
Innovation in Methodology- A path for	National Seminar	Participated	-	Research advisory Committee,	20.01.2020

Outcome based Research				St. Mary's College (Autonomous), Thoothukudi.	
Faculty Development training in Natural Product Research	National FDP	Participated	-	Biozone Institute of Life Sciences, A Unit of Bizone Research Technologies Pvt, Ltd	2.1.2020 - 4.1.2020
Advanced materials and their applications (IC AMA-2019)	International Conference	Presented	Anti-hypertensive activity of phytochemical compounds against angiotensin-converting enzyme (ACE) with special reference to Captopril and Lisinopril	Department of Chemistry, V. O. Chidambaram College, Thoothukudi.	13.12.2019
Women Empowerment & Women Entrepreneurship (WE <sup>2</sup> 2019)	International Seminar	Participated	-	Department of Economics, St. Mary's College (Autonomous), Thoothukudi.	9.12.2019
Improving Teaching Practice- A Strategic Approach	FDP	Participated	-	Adhi Foundation and IQAC, St. Mary's College (Autonomous), Thoothukudi.	26.11.2019
Disruptive Innovation in Higher Education Curriculum- Quality Enhancement of Digital Natives and Promoting Social Equity	NAAC Sponsored National Seminar	Participated	-	IQAC of Fatima College (Autonomous), Madurai	30.08.2019
Advanced Materials in association with Indian	International Conference	Participated	-	The Department of Physics, Aditanar College of Arts	26.08.2019

Association for Crystal Growth(IACG)				and Science, Tiruchendur	
Techniques in Molecular Biology	FDP	Participated	-	Marian Star Centre, Department of Zoology at St. Mary's College (Autonomous), Thoothukudi	20.08.2019 - 22.08.2019
Opportunities for funding for Science Teachers of Higher education institutions (SOFST)	National Seminar	Participated	-	The Centre for Teacher Resource and Academic Support, School of Education under PMMMNMTT, Manonmaniam Sundaranar University, Tirunelveli.	22.7.2019
Biostatistics and Bioinformatics	FDP	Participated	-	Marian Star Centre, Department of Botany at St. Mary's College (Autonomous), Thoothukudi	18.07.2019- 20.07.2019
Recent Trends in Bioinorganic Chemistry (RTBIC19)	International Seminar	Presented	Antihypertensive activity of phytochemical compounds against Angiotensin Converting Enzyme (ACE)	Department of Chemistry, Loyola Institute of Frontier Energy (LIFE), Loyola College (Autonomous), Chennai.	18.2.2019
Advances in Applied Chemistry	National Seminar	Participated	-	PG & Research Department of Chemistry, St. Joseph's College (Autonomous) Trichy.	14.12.2018
Fostering Transparency: Routing out Plagiarism At Oz	National Seminar	Participated	-	Department of Library and Research Forum, St.Mary's College (Autonomous),	20.07.2018

				Thoothukudi.	
International Conference on Recent Trends in Multi-Disciplinary Research ICRTMDR - 2018	International Conference	Oral Presentation	Structure - Based Pharmacophore Design and Natural Bond Analysis of Angiotensin	V.O.Chidambaram College, Thoothukudi & Institute For Engineering Research and Publication (IFERP)	19.04.2018 - 20.04.2018
Teaching Techniques	FDP	Participated	-	Sadakathullah Appa College and ICT Academy	15.03.2018-16.03.2018
Chemistry for Healthy Living (CHL 2018)	National Seminar	Participated	-	Department of Chemistry, Pope's College (Autonomous), Sawyerpuram, Thoothukudi	1.2.2018
Academic and Research Integrity in the Digital World	National Seminar	Participated	-	Research Forum & Department of Library, St.Mary's College (Autonomous), Thoothukudi.	9.12.2017
Green Chemistry for Clean Environment (G2CE 2017)	National Conference	Oral Presentation	<p>A molecular docking studies of alkaloids and flavonoids for antihypertensive activity against angiotensin converting enzyme (ACE)</p> <ul style="list-style-type: none"> <li>• <i>In-Silico</i> design of novel</li> </ul>	Department of Chemistry, St.Mary's College (Autonomous), Thoothukudi	

			inhibitors of antihypertension from alkaloids and flavonoids		
5 <sup>th</sup> International Bau Drug Design Congress	International Congress	Oral and Poster Presentation	Molecular electrostatic potentials and HOMO-LUMO studies of Angiotensin Converting Enzyme (ACE) inhibitors for Hypertension	Bahcesehir University School of Medicine, Istanbul, Turkey	19.10.2017-21.10.2017
Corrosion Awareness Day CAD-2017	National Seminar	Participated	-	School of Physical and Bio-chemical Sciences, St.Mary's College (Autonomous), Thoothukudi.	6.4.2017
Recent trends in Structural Bioinformatics and Computer Aided Drug Design-SBCADD - 2017	National Symposium cum Workshop	Poster Presentation	Identification of Potent Angiotensin Converting Enzyme 2 Inhibitors through Virtual Screening and Structure based Pharmacophore Design	Department of Bioinformatics, Alagappa University, Karaikudi	14.02.2017-17.02.2017
Cosmic Concerns and Interdisciplinary Dialogue in Applied Ethics	National Conference	Participated	-	IQAC, St.Mary's College (Autonomous), Thoothukudi	27.01.2017-28.01.2017
Accelerating Biology 2007-Delivering Precision	International Symposium	Poster Presentation	Virtual screening of Alkaloids and Flavonoids for antihypertensive activity	Centre for Development of Advanced Computing, C-DAC, Pune.	17.01.2017-19.01.2017

			against Angiotensin - Converting Enzyme(A CE) with special reference to Captopril and Lisinopril		
Microscale Analytical and FT-IR techniques	National Workshop	Participated	-	St.Xavier's College (Autonomous), Palayamkottai	14.10.2016-15.10.2016
Recent Developments in Chemistry (RDC '14)	National Seminar	Participated	-	Sadakathulla Appa College (Autonomous), Tirunelveli.	19.09.2014-20.09.2014
Institutional Quality Improvement: Role of Information and Communication Technology	National Seminar	Oral Presentation	Pedagogy of e- learning in Higher education	IQAC, St.Mary's College (Autonomous), Thoothukudi	31.01.2014 - 01.2. 2014
National Conference on Chemosensors (NCC 2013)	National Conference	Poster Presentation	Bio-sensor – A novel tool for drug detection in transport	Department of Chemistry, National Institute of Technology, Trichirappalli.	19.09.2013 - 20.09.2013
Recent trends in Chemistry	State level Seminar	Participated	-	Department of Chemistry, V.O.Chidambaram College, Thoothukudi	21.8.2013
National Symposium Nanoscience (NSN- 2012)	National Symposium	Participated	-	Department of Chemistry, St.Mary's College (Autonomous), Thoothukudi.	29.11.2012

### Webinars/ Online FDP/ Online Workshop

Name	Department	Webinars/ Workshop / Seminar/ Training / FDP	Paper Presented/ Participated	Title	Organised by	Date
Dr. C. Zozimus Divya Lobo	Chemistry	National Webinar	Participated	Electrophysiology – Conceptual and Systematic Hub for Neuronal Sciences	Indian Science Technology and Engineering facilities Map (I- STEM), Bangaluru.	1.06.2023
Dr. C. Zozimus Divya Lobo	Chemistry	Short Term Training Programme	Participated	On Methods, Modeling, Data and Tools of Environment Conservation	Raj Rishi Govt. Autonomous College, Alwar, Rajasthan	1.11.2022 – 7.11.2022
Dr. C. Zozimus Divya Lobo	Chemistry	National Webinar	Participated	IP Awareness Training Programme under National Intellectual Property Awareness Mission	Intellectual Property Office, India	29.07.2022
Dr. C. Zozimus Divya Lobo	Chemistry	International Conference	Participated	Recent Innovations in Mechanical Artificial Intelligence and Bio- Mechanical Engineering - ICRIMAIBE 2002	Department of Mechanical Engineering. Navodaya Institute of Technology, Raichur	29.07.2022 – 30.07.2022
Dr. C. Zozimus Divya Lobo	Chemistry	National Webinar	Participated	Climate Change Report 2022 Impacts, Adaptation and Vulnerability Challenges and Solutions	National Institute of Disaster Management, Ministry of Home Affairs, Govt. Of India	12.04.2022
Dr. C. Zozimus Divya Lobo	Chemistry	International Webinar	Participated	Industry-Institution Engagement & Educators	MARA- Japan Industrial Institute, Selangor	27.10.2021- 28.01.2021

				Summit 2021	Malaysia.	
Dr. C. Zozimus Divya Lobo	Chemistry	National Conference	Participated	Chemical Research for Sustainable Development	Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai.	24.9.2021-25.9.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Advances in Analytical Techniques	Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai in association with Society for Advancement of Chemical Sciences & Education, IGCAR, Kalpakkam.	30.8.2021-6.9.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Outcome-Based Education: A Paradigm for Assessment & Accreditation	Department of Computer Science & Engineering, Department of Information Technology, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.	24.8.2021 – 28.8.2021
Dr. C. Zozimus Divya Lobo	Chemistry	International Webinar	Participated	Moving Beyond Spreadsheets: rational design of materials	Chemistry World, Schrodinger	17.8.2021



				using advanced informatics and machine learning		
Dr. C. Zozimus Divya Lobo	Chemistry	International Webinar	Participated	Innovative Research in Chemical Science	PG & Research Department of Chemistry of Government Arts College, Trichy-22	10.7.2021
Dr. C. Zozimus Divya Lobo	Chemistry	International Conference	Participated	Recent Advances in Chemical, Physical and Biological Sciences (RACPBS- 21)	Department of Chemistry, Nabira Mahavidyalaya, Kotal and Association of Chemistry Teachers (ACT), C/o Homi Bhabha Centre for Science Education (TIFR) Mumbai	29.6.2021 - 30.6.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National Webinar	Participated	Intellectual Property Rights (IPR) and Patent Filing	Innovation and Entrepreneurship Cell of Karmaveer Bhaurao Patil College, Navi Mumbai	23.06.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Online Teaching Tools for Educators	ISTE Chapter, Murugappa Polytechnic College, Chennai	14.6.2021 - 20.6.2021

Dr. C. Zozimus Divya Lobo	Chemistry	International Webinar	Participated	Indian Nuclear Power Programme	Department of Applied Physics, Karunya Institute of Science and Technology, Coimbatore	8.6.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Empowerment through Emotional Intelligence	Annai College of Arts and Science in Collaboration with IQAC and ICT Academy	27.5.2021-28.5.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National Workshop	Participated	Teaching Skills development	Government College Patharia, Dist - Damoh	22.3.2021 - 24.3.2021
Dr. C. Zozimus Divya Lobo	Chemistry	International Webinar	Participated	Multidisciplinary Research IWMR 2021	Department of Chemistry, Guru Nanak College of Science, Ballarpur, Chandrapur	13.3.2021
Dr. C. Zozimus Divya Lobo	Chemistry	National Refresher	Participated	Theoretical and Computational Chemistry- Science Academic Sponsored	PG & Research Department of Chemistry, PSGR Krishnammal College for Women.	27.1.2021-11.2.2021
Dr. C. Zozimus Divya Lobo	Chemistry	International Conference	Participated	Young Scientist Conference, India International Science Festival 2020	Ministry of Science and Technology, Ministry of Earth Science, Ministry of Health and Family Welfare, Govt. of India in Collaboration with Vijnana	22.12.2020 - 25.12.2020

					Bharati (VIBHA) by Council of Scientific & Industrial Research (CSIR)	
Dr. C. Zozimus Divya Lobo	Chemistry	National Workshop	Participated	Introduction to Intellectual Property Rights (IPR)	IQAC, Shri Pancham Khemraj Mahavidyala, Sawantwadi	7.11.2020
Dr. C. Zozimus Divya Lobo	Chemistry	International Conference	Participated	Innovations in Chemical Sciences- 2020: An International meet for Quality and Quantity (ICSIMQQ - 2020)	Division of Chemistry, School of Advanced Sciences, Vellore Institute of Technology, Chennai	21.8.2020-22.8.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Energy and Environment-Towards Sustainability	Department of Chemistry, Sathyabama Institute of Science and Technology in association with CSIR-Central Leather Research Institute (CSIR-CLRI), Chennai.	3.8.2020 – 8.8.2020
Dr. C. Zozimus Divya Lobo	Chemistry	International Workshop	Participated	Docking, QSAR and Molecular Dynamics	Department of Biotechnology, Ramaiah Institute of Technology and Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Ramaiah	29.7.2020 – 31.7.2020

					University of Applied Sciences, Bengaluru, Karnataka, India in association with IEEE-EMB MSRIT student chapter and SRIGEN-Society of Biotechnologists	
Dr. C. Zozimus Divya Lobo	Chemistry	National Workshop	Participated	Computational Chemistry - A Leeway to Theoretical Chemistry	PG & Research Department of Chemistry, PSGR Krishnamma I College of Women, Coimbatore in collaboration with D. G. Vaishnav College, Chennai	27.7.2020 – 29.7.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Molecular docking and Cheminformatics in Research-Recent Chemistry Perspective	Post Graduate and Research Department of Chemistry, Arignar Anna Government Arts College, Namakkal.	13.7.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National Workshop	Participated	Nuances in Computational Chemistry	PG Department of Chemistry, Dwaraka Doss Goverdhan Doss	2.7.2020 – 5.7.2020

					Vaishnav College (Autonomous), Chennai	
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Inclusive Procedures and Processes in Assessment and Accreditation by NAAC	IQAC of St. Joseph's College (Autonomous), Trichy.	30.6.2020 - 4.7.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National Webinar	Participated	Materials and Technology for Sustainable	Department of Chemistry, St. Joseph's College(Autonomous), Trichy	28.5.2020 - 29.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Online Course Design, Development and Delivery	Human Resource Development Centre , University of Hyderabad	26.5.2020 - 28.05.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National Webinar	Participated	Environmental Forensics	The Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, Tamil Nadu, INDIA	19.5.2020 - 21.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Level online Faculty Development Program on Innovation Academicians	New Generation Innovation and Entrepreneurship Development Centre, Ramachandra College of Engineering,	11.5.2020 - 16.5.2020

					National Science & Technology Entrepreneurship Development Board, Department of Science and Technology, Government of India, New Delhi.	
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Recapitulating Billion Years of Bharathiya Wisdom for molding Millennials	Arasu College of Arts & Science for Women, Arasu College of Education for Women & Ponkaiamm College of Education, Karur in associated with Shiksha Sanskriti Uttan Nyas, SSUN Tamilnadu.	8.5.2020 - 12.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Managing Online Classes and Co-Creating MOOCs	Teaching Learning Centre, Ramanujan College, University of Delhi.	20.4.2020 - 6.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National Online Course	Participated	Elemental Arts: Evolution of Modern Periodic Table	Department of Science and Humanities (Chemistry), Sri Kridhna College of Engg and Technology, Coimbatore	1.5.2020 - 2.05.2020

Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Level online Faculty Development Program on Innovation Academicians	New Generation Innovation and Entrepreneurship Development Centre, Ramachandra College of Engineering, National Science & Technology Entrepreneurship Development Board, Department of Science and Technology, Government of India, New Delhi.	11.5.2020 - 16.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Recapitulating Billion Years of Bharathiya Wisdom for molding Millennials	Arasu College of Arts & Science for Women, Arasu College of Education for Women & Ponkaliamman College of Education, Karur in associated with Shiksha Sanskriti Uttan Nyas, SSUN Tamilnadu.	8.5.2020 - 12.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National FDP	Participated	Managing Online Classes and Co- Creating MOOCs	Teaching Learning Centre, Ramanujan College, University of Delhi.	20.4.2020 - 6.5.2020
Dr. C. Zozimus Divya Lobo	Chemistry	National Online Course	Participated	Elemental Arts: Evolution of Modern Periodic Table	Department of Science and Humanities (Chemistry), Sri Kridhna College of Engg and Technology, Coimbatore	1.5.2020 - 2.05.2020

## Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Pharmaceutical Chemistry Is Changing the Way Medicines Are Discovered And Developed	Jyotsna Pandit, <b>Zozimus Divya Lobo C</b> , Adlin Sheeba, R.Deepa, U. Rizwan Sulthana, S. Jothimani	<i>Bulletin of Environment, Pharmacology and Life Sciences [Bull.Env. Pharmacol. Life Sci.]</i>	2022	11	6	22-26
Virtual screening of heterocyclic compounds against Angiotensin-Converting Enzyme for potential Antihypertensive inhibitors	<b>Zozimus Divya Lobo C</b> , Syed Mohamed A, Gnanendra Shanmugam	Asian Journal of Pharmaceutical and Chemical Research	2019	12	2	350 - 355
Structure-Based Pharmacophore Design and Natural Bond orbital analysis of Angiotensin Converting Enzyme inhibitors	<b>Zozimus Divya Lobo C</b> , Syed Mohamed A and Vedhi C	International Journal of Current Science, Engineering & Technology	2018	1	2	10-21
2D and 3D QSAR studies on Captopril Derivatives As Potent Angiotensin-Converting Enzyme (ACE) Inhibitors	<b>Zozimus Divya Lobo. C</b> , Syed Mohamed A, Vedhi C and Gnanendra S	International Journal of Advances in Interdisciplinary Research	2017	4	3	12-19
Identification of Potent Angiotensin Converting Enzyme 2 Inhibitors through Virtual Screening and Structure-Based Pharmacophore Design	<b>C. Zozimus Divya Lobo</b> , A. Syed Mohamed, C.Vedhi, S.V. Rajesh, V. Aroulmoji and Gnanendra Shanmugam	International Journal of Advanced Science and Engineering	2017	4	1	474-480



### Papers in proceedings

Paper Title	Author(s)	Proceedings	Year	Page No.
Structure-Based Pharmacophore Design and Natural Bond Analysis of Angiotensin	<b>C. Zozimus Divya Lobo</b> , A. Syed Mohamed	International Conference on Recent Trends in Multi-Disciplinary Research ICRTMDR – 2018 ISBN: 978-81-937041-5-8	2018	2
A molecular docking studies of alkaloids and flavonoids for antihypertensive activity against angiotensin converting enzyme (ACE)	C. Zozimus Divya Lobo	Green Chemistry for Clean Environment (G2CE 2017)	2017	21
<i>In-Silico</i> design of novel inhibitors of diabetis from alkaloids and flavonoids	T.Jeya, <b>C. Zozimus Divya Lobo</b>	Green Chemistry for Clean Environment (G2CE 2017)	2017	14
<i>In-Silico</i> design of novel inhibitors of antihypertension from alkaloids and flavonoids	S.Vinitha, <b>C. Zozimus Divya Lobo</b>	Green Chemistry for Clean Environment (G2CE 2017)	2017	12
Molecular electrostatic potentials and HOMO-LUMO studies of Angiotensin Converting Enzyme (ACE) inhibitors for hypertension	A. Syed Mohamed and <b>C.Zozimus Divya Lobo</b>	5 <sup>th</sup> International BAU Drug Design Congress.	2017	58, 139
Identification of Potent Angiotensin Converting Enzyme 2 Inhibitors through Virtual Screening and Structure based Pharmacophore Design	<b>C. Zozimus Divya Lobo</b> , A. Syed Mohamed, C.Vedhi	Souvenir, 9 <sup>th</sup> National Symposium cum Workshop on 'Recent trends in Structural Bioinformatics and Computer Aided Drug Design' - SBCADD - 2017 ISBN Code :978-93-80394-88-6	2017	17

Virtual screening of Alkaloids and Flavonoids for antihypertensive activity against Angiotensin-Converting Enzyme(ACE) with special reference to Captopril and Lisinopril	<b>C. Zozimus Divya Lobo</b> , A. Syed Mohamed, C.Vedhi, S.V. Rajesh, and Gnanendra Shanmugam	Accelerating Biology 2007-Delivering Precision.	2017	94
Pedagogy of e-Learning in higher education	<b>C.Zozimus Divya Lobo</b>	National Seminar on Institutional Quality Improvement: Role of Information and Communication Technology	2014	44
Bio-sensor – A novel tool for drug detection in transport	T.Linda Fernando and <b>C.Zozimus Divya Lobo</b>	National Conference on Chemosensors (NCC 2013)	2013	49

#### Patent:

- Different stages of ripening and Oxalate ions presence in Guava fruit, Date of filling: 12/08/2023, The Patent Office Journal No. 35/2023 Published Dated 01/09/2023 and Application No. No.202341054352 A, Patent no.**57898**.
- Extract the marine and terrestrial natural products by Green Chemistry process, Date of filling: 23/05/2023, The Patent Office Journal No. 24/2023 Published Dated 16/06/2023 and Application No. No.202341035851 A, Patent no.**43214**.
- Chemical Structure Based Smart Investigation of Adverse Drug Reactions, Date of Filling: 24/01/2022, The Patent Office Journal No. 49/2021 Published Dated 03/12/2021 and Application No. No.202141053173 A, Patent no.**58090**.
- Combination treatments for bacterial infections using photochemical and antibiotic combination, Date of Filling: 18/11/2021, The Patent Office Journal No. 05/2022 Published Dated 04/02/2022 and Application No. 202241004044 A, Patent. no.**6356**.

### Published Books and Chapters:

- ***In-Silico Design & Development of Novel Potent ACE Inhibitor of Hypertension***, Archers and Elevators Publishing House, Bangalore, **ISBN: 978-81-949889-8-4 (2020)**.
- **A text book of Chemistry for Environmental Engineering and Science**, RK Publishing House. (2023).
- ***Devise Utility, Energy and Biouility of N<sub>2</sub>MNM<sub>4</sub>MBH Macro Nano Models***, Vol.1, p. No. 169-182, Print **ISBN: ISBN 978-1-119-85734-1/ Online ISBN: 978-1-119-85804-1 (15.06.2022)**.

***Nanovaccinology as Targeted Therapeutics by Kaushik Pal, Scrivener Publishing, 100 Cummings Center, Suite 541J, Beverly.***

- Synthesis and Studies of TTAHOT- Macro, Micro and Nanocrystalline Composite for Electronic and Biomedical Use. (2023)
- Growth and Characterizations of Red Bromide- The Pleochroism Based Crystals for Biomedical, Electronic and Mechano Uses. (2024)

### Projects Sanctioned:

- Tamil Nadu State Council for Science and Technology, DOTE Campus, Chennai, Student Project Scheme 2019-2020, 'Phytochemical based lead identification through *Insilico* drug design as antihypertension (S.265)'.

### Online Courses:

- **Elemental Arts: Evolution of Modern Periodic Table** of Department of Science and Humanities (Chemistry), Sri Krishna College of Engineering and Technology, Coimbatore on 1.5.2020 -2.5.2020
- **Digital Teaching Techniques** in ICT Academy on 23.11.2021-27.11.2021.
- **Basics in Inorganic Chemistry** in NPTEL Course Swayam Online Course on 15.06.2020
- **Scilab**, Spoken Tutorial Project, IIT Bombay on 1.03.2020.
- **Food Chemistry** in University of Mysore under Swayam Online course on 13.12.2019.
- **Organic Solar Cell- Theory and Practice** in Technical University of Denmark on 12<sup>th</sup> November 2018.
- **Environmental Protection and Sustainability** in IsraelIX- EPS1x completed on 4<sup>th</sup> September 2018.
- **The Chemistry of Life** in Kyoto Ux -001x completed on 16<sup>th</sup> July 2018.

### **Awards and Achievements:**

- Bharat Shiksha Ratan Award – 25.08.2022 given by Global Society for Health & Educational Growth, New Delhi.
- Young Scientist Award-08.03.2022 by Universal Society for Research and Development, Naari Sakthi Awards for Women-2022.
- Certified Digital Teacher by ICT Academy on 04.12.2021.
- Best Doctoral Researcher –2020 given by Archers & Elevators Publishing House (Dec 2020).

### **Resource Person**

- Evaluator, 30<sup>th</sup> National Children's Science Congress 2022-2023 coordinated by TNSF on 10.12.2022 & 11.12.2022.
- Career Talk powered by Internshala on 'How to ace your summer internship' on 10.03.2021

### **Participation in Professional Body**

- Life Member (ID: LM2214), Universal Society for Research and Development
- Member (PU\_C\_ZOLOBO001) of Indian Science Technology and Engineering Facilities Map (I- STEM), Office of the Principal Scientific Adviser to the Government of India.
- ICT Academy, Chennai

### **Others:**

- Ph. D Guide under Manonmanium Sundaranar University (MSU/RES/SF/GUIDESHIP/R9/2018)
- Internal Quality Assurance Cell member (2019 onwards)
- Anti-sexual Harassment Cell Coordinator (2021 onwards) and Vice Coordinator (2018-2019).
- Institution Innovation Cell member (2020-2022)
- Question papers setter and Practical examiner for Arts and Science Colleges (2018 onwards)
- Anti-sexual Harassment Cell and Discipline Committee member (2017 - 2018)
- Member of Human Rights Forum (2013 - 2014), (2019-2021)
- Member of Discipline Committee
- Organised an International Webinar and National Webinar