

Profile

Dr. J. ROSALINE VIMALA

Assistant Professor
PG and Research Department of Chemistry
Holy Cross College(Autonomous)
Tiruchirappalli-620 002.



EDUCATIONAL QUALIFICATION:

Ph.D.

Year of Completion : October 2013
College : Department of Chemistry, St. Joseph's College(Autonomous)
Trichy-2
University : Bharathidasan University
Title of the thesis : A Comparative study of Corrosion Inhibition and biocidal effect of some plant extracts on carbon steel in acidic and neutral media

<i>Course</i>	<i>Name of the Institution</i>	<i>University/Board</i>	<i>Year of Passing</i>	<i>Rank/Class</i>
<i>M.Phil</i>	<i>Bharathidasan University(Centre for Distance Education</i>	Bharathidasan Univeristy	2006	First Class with Distinction
<i>M.Sc.</i>	<i>Bishop Heber College, Trichy</i>	Bharathidasan Univeristy	2004	<i>University VIII Rank</i>
<i>B.Sc.</i>	<i>Holy Cross College(Autonomous), Trichy</i>	Bharathidasan Univeristy	2002	First Class with Distinction

Work Details:

Teaching Experience at Holy Cross College: 19 years 1month (from 2005 to till date)

Teaching Experience at J.J. College of Arts and Science: _____1____ Years (August 2004 to September 2005)

Total Teaching Experience: 19 Years

Teaching Experience : UG **18 years**

: PG **19 years**

: M.Phil **13 years**

Positions Held (VP / Dean/ HOD / Director/ Overall Coordinator etc.)

S. No.	Name of the Position	Period
1.	Discipline committee-core member	2010-2011
2.	Discipline committee-core member	2012-2013
3.	Research committee-NAAC core group	From 2014 onwards
4.	Treasurer in Staff Club	2017 – 2018
5.	Department Star College member	From 2012 onwards

6.	Department FIST in-charge	2018-2019
7.	Co-investigator of College FIST	2019-2020
8.	IQAC Core Committee Member	From 2020 onwards
9.	Crossioan Institute for Colloborative Research on Sustainable Development(CICRSD)Assistant Coordinator	From 2023 onwards
10.	Research Advisory Committee Member	From 2024

E-lessons developed:

S. No.	Title of e-lessons
1.	Unimolecular nucleophilic substitution reaction
2.	Aromatic Electrophilic Substitution reaction
3.	Basics of Mass spectrometry
4.	Introduction to Nuclear Magnetic Resonance Spectroscopy
5.	Shielding, deshielding and chemical shift in Nuclear Magnetic Resonance Spectroscopy
6.	Influence of Electronic Environment on the chemical shift in nuclear magnetic resonance spectroscopy
7.	Simplification of Complex NMR spectra

Key Academic Achievements

- **UGC Minor Research Project**

- + **Period:** 2 years (January 2015-February 2017)

- + **Project Title:** Isolation and characterization of bioactive compounds from *Melia dubia* - The role analysis in the ethnopharmacological approach

- + **Amount Sanctioned:** Rs. 2,50,000

- + **Funding Agency:** UGC

- **Research Experience**

- + **Research Areas:** Environmental Chemistry, Electrochemistry, Adsorption, Phytochemistry, Dye Chemistry, and Nanoscience

- + **Experience:**

- 16 years guiding projects for PG students
 - 7 years guiding projects for UG students

- + **Ph.D. Supervision:**

- Produced 6 Ph.D. scholars (including one NRI candidate)
 - Currently guiding 3 Ph.D. scholars
 - Guided over 50 UG, PG, and two M.Phil. students

- **Papers Published**

1. Violet Dhayabaran, A., Rajendran, A., Rosaline Vimala, J., & Anandhakumar, A. (2005). Hexamine as inhibitor for the corrosion of mild steel in acid medium. *Transactions of the SAEST*, 40, 134-138.

2. Rosaline Vimala, J., Amala Fatima Rani, S., & Shanthi, R. (2009). A comparative study on the removal of lead from aqueous solution by adsorption using Paliathia seed shell carbon. *Indian Journal of Environmental Protection*, 29(10), 911-920.
3. Rosaline Vimala, J., Amala Fatima Rani, S., Deepa, T., & Girija, A. (2011). Removal of mercury from aqueous solution using castor seed shell carbon: A comparative study. *Indian Journal of Environmental Protection*, 3(10), 842-849.
4. Rosaline Vimala, J., Leema Rose, A., & Raja, S. (2011). Cassia auriculata extract as corrosion inhibitor for mild steel in acid medium. *International Journal of ChemTech Research*, 3(4), 1791-1801.
5. Rosaline Vimala, J., Leema Rose, A., & Raja, S. (2012). A study on the phytochemical analysis and corrosion inhibition on mild steel by *Annona muricata* L. leaves extract in 1N hydrochloric acid. *Der Chemica Sinica*, 3(3), 582-588.
6. Rosaline Vimala, J., Leema Rose, A., & Raja, S. (2012). Milling *Tonia Hortensis* Linin. F extract as corrosion inhibitor for mild steel in aqueous medium. *Der Chemica Sinica*, 3(3), 602-612.
7. Rosaline Vimala, J., Amala Fatima Rani, S., & Raja, S. (2012). Studies on the removal of nickel(II) using chemically activated *Pouteria sapota* seed and commercially available carbon. *Der Chemica Sinica*, 3(3), 613-620.
8. Rosaline Vimala, J., & Raja, S. (2013). *Vitex negundo* leaf extract as eco-friendly inhibitor on the corrosion of carbon steel in acidic and neutral media. *Research Journal of Chemistry and Environment*, 17(12), 84-91.
9. Rosaline Vimala, J. (2014). Screening of antibacterial activity and phyto-compound studies of *Aduthodavasica* Nees. *International Journal of Research and Development in Pharmacy and Life Sciences*, 3(5).
10. Rosaline Vimala, J. (2014). Preliminary phytochemical screening and antibacterial activity on *Basella alba* L. *International Journal of Research and Development in Pharmacy and Life Sciences*, 3(6), 1295-1299.
11. Rosaline Vimala, J., & Margrat Sheela, S. (2015). Biosynthesis of silver nanoparticles by *Melia dubia* leaf aqueous extract and its antibacterial activity. *World Journal of Pharmaceutical Research*, 5(3).
12. Rosaline Vimala, J., Janeeta Priya, F., Sathyabama, R., & Lavanya, M. (2016). Green synthesis of silver nanoparticles using aqueous extract of *Ficus racemosa* bark and its antimicrobial activity. *World Journal of Pharmacy and Pharmaceutical Sciences*, 5(5), 753-765.
13. Rosaline Vimala, J., Priyadharshini, P., & Prasanthi, R. H. (2016). *Basella alba* L. extract as corrosion inhibitor for mild steel in acid medium. *World Journal of Pharmacy and Pharmaceutical Sciences*, 5(3), 1543-1557.
14. Rosaline Vimala, J., Stella Bharathy, & Agila. (2016). Studies on the removal of Ni(II) ions from aqueous solution using natural adsorbent *Prosopus juliflora* bark. *International Journal of Scientific and Engineering Research*, 7(8), 243.
15. Rosaline Vimala, J., Jeyaleela, D., & Irudaya Monisha. (2016). Studies on phytochemical, nutritional analysis, and screening of *in vitro* biological activities of *Melia dubia* leaf extract. *International Journal of Scientific and Engineering Research*, 7(8), 56.
16. Rosaline Vimala, J., Agila, & Stella Bharathy. (2016). Adsorption of nickel(II) ions from aqueous solution by using *Terminalia chebula* seed carbon. *International Journal of Scientific and Engineering Research*, 7(8), 1.
17. Rosaline Vimala, J., Jeyaleela, D., & Monisha, I. (2016). GC-MS analysis and green synthesis of copper nanoparticles using *Vitex negundo* L. leaf extract. *International Journal of Scientific and Engineering Research*, 7(8), 154.
18. Rosaline Vimala, J., Monisha, S. I., Jeyaleela, G. D., & Immaculate, A. A. (2017). Comparative studies on yield and the phytochemical appraisal (quality and quantity) of *Manilkara hexandra* (Roxb) Dubard using leaf, stem, and bark. *Journal of Pharmacognosy and Phytochemistry*, 6(4), 2052-2058.
19. Rosaline Vimala, J., Jeyaleela, G. D., Monisha, S. I., & Immaculate, A. A. (2017). Isolation of 2-chlorobenzimidazole from *Melia dubia* leaf extract and its structural characterization. *International Journal of Pharmacy and Pharmaceutical Sciences*, 9(10).
20. Rosaline Vimala, J., Agila, A., & Stella Bharathy, M. (2018). Natural sand as adsorbent for the removal of Ni(II) from aqueous solution. *International Journal of Scientific Research and Review*, 7(6).
21. Rosaline Vimala, J., Agila, A., & Stella Bharathy, M. (2018). Biosorption of hexavalent chromium by acid-treated *Terminalia paniculata* sawdust. *International Journal of Scientific Research and Review*, 7(6), June. IJSRR journal.

22. Rosaline Vimala, J., Agila, A., & Stella Bharathy, M. (2018). *Diplocyclospalmatus* seed powder: An eco-friendly sorbent for the uptake of Ni(II) from aqueous solution. *Journal of Pharmacognosy and Phytochemistry*, 7(3), May-June, 2425-2432.
23. Rosaline Vimala, J., Agila, A., & Stella Bharathy, M. (2018). Adsorption of nickel (II) by low-cost *Hopea parviflora* sawdust. *Journal of Pharmacognosy and Phytochemistry*, 7(3), May-June, 2452-2455.
24. Monisha, S. I., & Rosaline Vimala, J. (2018). Extraction, identification, and pharmacological evaluation of phyto-active compounds in *Manilkara hexandra* (Roxb.) Dubard stem bark. *Biosciences Biotechnology Research Asia*, 15(3), 687-698.
25. Jeyaleela, G. D., Balasubramani, M., & Rosaline Vimala, J. (2019). Isolation and characterization of antioxidant (flavone-3-rutinoside, 3, 3', 4', 5, 7-pentahydroxy) from leaves of *Melia dubia*. *Asian Journal of Pharmaceutical and Clinical Research*, 12(2), 107-114.
26. Rosaline Vimala, J., & Margrat Sheela, S. (2019). An eco-friendly natural indicator from *Musa acuminata* fruit peel extract for acid-base titration. *International Journal of Scientific Research and Review*, 8(5), 338-344.
27. Rosaline Vimala, J., & Monisha, S. I. (2019). Phytocompounds investigation, isolation of flavan-3-ol from the stem of *Manilkara hexandra* (Roxb) Dubard and its potential in antioxidant. *International Journal of Scientific & Technology Research*, 8(8), 1482-1488.
28. Rosaline Vimala, J., & Jeyaleela, G. D. (2019). Isolation, characterization, molecular docking, and in vitro studies of inhibitory effect on the growth of struvite crystals derived from *Mexliadubia* leaf extract. *Asian Journal of Chemistry*, 31(11), 2628-2634.
29. Rosaline Vimala, J., & Monisha, S. I. (2019). Characterization and hypoglycemic study of isolated natural polymer from the stem of *Manilkara hexandra* (Roxb) Dubard. *International Journal of Applied Pharmaceutics*, 11(4), July-August, 206-213.
30. Rosaline Vimala, J., & Jeyaleela, G. D. (2020). Preliminary phytochemical analysis, antioxidant activity, and identification of bioactive compounds in the stem and leaf of *Combretum ovalifolium*. *International Journal of Scientific and Technology Research*, 8(3), 3125-3132.
31. Rosaline Vimala, J., Jeyaleela, G. D., Sheela, S. M., Bharathy, M. S., & Agila, A. (2020). Biofabrication of zinc oxide nanoparticles using the isolated flavonoid from *Combretum ovalifolium* and its antioxidative ability and catalytic degradation of methylene blue dye. *Oriental Journal of Chemistry*, 36(4).
32. Rosaline Vimala, J., Jeyaleela, G. D., Sheela, S. M., Bharathy, M. S., & Agila, A. (2020). *Pseuderanthimum reticulatum*: A new green source for dyeing of cotton fabric. *Asian Journal of Chemistry*, 32(10), 2585-2588.
33. Sheela, S. M., & Rosaline Vimala, J. (2021). Proximate analysis, antioxidant property, and cytotoxicity assessment for *Pseuderanthemum reticulatum* leaves. *Oriental Journal of Chemistry*, 37(4), 984-990.
34. Bharathy, M. S., Jeyaleela, G. D., Rosaline Vimala, J., & Agila, A. (2021). Potential use of copper oxide nanoparticles from *Solanum trilobatum* against pathogenic bacteria. *Oriental Journal of Chemistry*, 37(4), 991-996.
35. Bharathy, M. S., Jeyaleela, G. D., Rosaline Vimala, J., & Agila, A. (2021). Comparison of anti-inflammatory activities of biogenic *Gymnema sylvestre* and *Panicum sumatrense*-mediated titanium dioxide nanoparticles. *Biotechnology and Biomedical Research Journal of Chemistry*, 5(4), 405-411.
36. Agila, A., Jeyaleela, G. D., Rosaline Vimala, J., Bharathy, M. S., & Sheela, S. M. (2022). In vitro pharmacological activities of *Delonix elata* extract mediated zinc oxide nanoparticles. *Oriental Journal of Chemistry*, 38(4), 1037-1046.
37. Agila, A., Rosaline Vimala, J., Bharathy, M. S., Jeyaleela, G. D., & Sheela, S. M. (2022). Anti-oxidant and anti-cancer activities of biogenic synthesized copper oxide nanoparticles. *Biomedical and Biotechnology Research Journal*, 6, 341-348.
38. Agila, A., Jeyaleela, G. D., Rosaline Vimala, J., Bharathy, M. S., & Sheela, S. M. (2022). Inhibitory effect of *Basella alba*-mediated zinc oxide nanoparticles against infection-causing bacteria. *Biomedical and Biotechnology Research Journal*, 6, 353-359.
39. Manickaraj, S. S. S. M., Pandiyarajan, S., Liao, A.-H., Rubavathi Panneer Selvam, A., Huang, S.-T., Rosaline Vimala, J., Lee, K.-Y., & Chuang, H.-C. (2023). A new class of layered *Bi2O2S* nano petals by one-pot supercritical CO₂ approach: A reliable electrocatalyst for analgesic bioflavonoid detection. *Chemosphere*, 138534.

40. Immaculate, A. A., Rosaline Vimala, J., & Takuwa, D. T. (2022). Isolation and characterization of flavonoids (rutin) from the roots of *Cadaba aphylla* (Thunb) and *Adenia glauca* of potential in anti-oxidant activity. *Oriental Journal of Chemistry*, 38(6), 1404-1413.
41. Immaculate, A. A., Rosaline Vimala, J., & Takuwa, D. T. (2023). Development and validation of an RP-HPLC method for the quantification of selected anti-cancer standards (rutin, chrysin, piperine, and berberine) in Botswana medicinal plants. *Analytical and Bioanalytical Chemistry Research*, 10(2), 227-236.
42. Immaculate, A. A., Rosaline Vimala, J., & Takuwa, D. T. (2023). Phytochemical analysis in roots and tubers of Botswana medicinal plants—*Solanum aculeastrum* Dunal, *Elephantorrhiza elephantina*, *Cadaba aphylla* (Thunb), and *Adenia glauca*. *Rasayan Journal of Chemistry*, 16(1), 1-8.
43. Agila, A., Bharathy, M. S., Rosaline Vimala, J., Vimala, S., & Sheela, S. M. (2023). Green synthesis of *Paspalum scrobiculatum* mediated copper oxide nanoparticles and its anti-bactericidal activities. *Asia Pacific Journal of Science and Technology*, 28(0), 1-8.
44. Rosaline Vimala, J., Bharathy, M. S., Agila, A., Sheela, S. M., & Vimala, S. (2023). Rutin-mediated synthesis of silver nanoparticles derived from *Melia dubia* and evaluation of antioxidant and antimicrobial activity. *Research Journal of Chemistry and Environment*, 27(7), 45-49.
45. Rosaline Vimala, J., & Jeyaleela, G. D. (2024). Separation, identification, and anti-breast cancer efficacy of anthocyanin of *Melia dubia* bark. *Materials Letters*, X (21), 100223.
46. Bhathy, M. S., Rosaline Vimala, J., Agila, A., Sheela, S. M., & Vimala, S. (2024). Exploring the therapeutic potential of *Pergularia daemia*: Synthesis and characterization of zinc oxide nanoparticles. *Oriental Journal of Chemistry*, 40(4), 1061-1066.
47. Bharathy, M. S., Rosaline Vimala, J., & Agila, A. (2024). Antibacterial agent of *Echinochloa esculenta* mediated ZnO nanoparticles on urinary tract infection-causing bacteria. *Journal of Reports in Pharmaceutical Sciences*, 12(1), 1-6.

- **Book Chapters**

- ✚ Published a book chapter, Isolation, Characterizations of Bioactive Principles from Melia dubia Leaf and Its In-silico and In-vitro Urolithiatic Activity ,*Current Perspectives on Chemical Sciences Vol. 11*, 2 June 2021.
- ✚ Published a book chapter 'Potential Use of Copper oxide nanoparticles from Solanum trilobatum against pathogenic bacteria' in the book titled "Advances in Chemical Sciences" by Integrated Publications, New Delhi, India in 2022.
- ✚ Published a book chapter 'Phyto synthesis of zinc oxide Nanoparticles mediated by flavonoid Fraction extracted from *Melia dubia* Bark and its antioxidant, anticancer and Photocatalytic activity' in the book titled "Futuristic Trends in Chemical, Material Sciences & Nano Technology" by Iterative International Publisher IIP (978-93-5747-885-4) December 2023.

- **Resource Person and Organizing Roles**

- ✚ Resource Person in Training Programme for Science Graduate Teachers on "Samacheer Kalvi," Holy Cross College, 27th August 2011.
- ✚ Resource Person for Career Guidance at St. Joseph's Anglo Indian Girls Higher Secondary School, Trichy, 14th March 2012.
- ✚ Organizing Secretary and Resource Person in the National Workshop on "Green Techniques in Chemistry Laboratory Experiments (GTCLE-2013)," Holy Cross College, 9th January 2013.
- ✚ Resource Person in Training Programme for PG teachers on "Microscale Experiments with Green Techniques," Holy Cross College, 23rd August 2013.
- ✚ Convener of the International Conference on "Chemistry of Biomolecules-Current Trends and Future Perspectives" [ICCBCTP-2016].
- ✚ Chairperson in the National Conference on "Recent Advances in Chemistry Research and its Applications (NCRACRIA-17)," St. Joseph's College, 19th January 2017.

- ✚ Teacher Expert in revising the Chemistry curriculum for "Inorganic Chemistry" in the WORKSHOP ON CURRICULUM REVISION-TNCF 2017, Anna University, Chennai, 22nd December 2017.
- ✚ Organizing Secretary for the E-Lecture workshop on "Advances in Chemical Sciences," Holy Cross College in collaboration with CRSI, 2nd November 2020.
- ✚ Organizing Secretary for the International Scientist Meet on "Computational Chemistry and Biophysical Chemistry," Holy Cross College, 21st December 2020.
- ✚ Resource Person in a Lecture Series on "Quantum Chemistry," organized by Madurai Kamaraj University, 30th November–5th December 2022.
- ✚ Delivered a talk on "The Evolution of Science and Technology: Past, Present, and Future" at the Pre-Congress Symposium on "Seventy-Five Years of India's Economic Trajectory," Holy Cross College, 15th December 2022.
- ✚ Resource Person for the Two Days Training Programme on "Phytochemical Analysis," Holy Cross College, 10th–11th August 2023.
- ✚ Organizing Secretary for the Five Days International Level Online Faculty Development Program on "Artificial Intelligence in Chemistry: Current Trends and Future Perspectives (AICCTFP-2023)," Holy Cross College, 4th–9th September 2023.
- ✚ Organizing Secretary for the State Level Inter-Collegiate Competition, CHEM FEST '23 on "Chemistry of Cosmetics," Holy Cross College, 22nd September 2023.
- ✚ Organizing Secretary for the Workshop on "Big Idea - An Ideation," Holy Cross College, 5th December 2023.
- ✚ Organizing Secretary for the Two Days International Conference on "Recent Advances in Physical Sciences (ICRAPS-2024)," Holy Cross College, 19th–20th January 2024.
- ✚ Organizing Secretary for the Workshop on "Interview Facing Skills," Holy Cross College, 10th February 2024.
- ✚ E-content evaluator for two 4-quadrant E-content modules prepared by the faculty who attended Refresher Course organized by St. Xavier's College (Autonomous), Palayamkottai.
- ✚ Resource person on "Pedagogical Approaches in Teaching Mathematics and Science" for teachers at R.C. Middle School, Butterworth Road, Trichy on 16th August 2024.

- **Membership in Professional Bodies**

- ✚ Life Member in Bose Science Society, Scientific Research Organization
- ✚ , Pudukkottai
- ✚ Life Member in Global Illuminators
- ✚ Professional Member in INSc-Institute of Scholars
- ✚ Life Member in Association of Chemistry Teachers

- **Editor**

- ✚ Editor for the book titled "Futuristic Trends in Chemical Material Sciences and Nano Technology", Volume 3 Book 17, E-ISSN:978-93-8747-885-4 and Print-ISBN:978-93-6252-224-5 published during the month of February 2024 and April 2024

- **Reviewer**

- ✚ Reviewer in Biomedical and Pharmacology Journal.
- ✚ Reviewer in INSc- Institute of scholars

✚ Reviewer in Oriental Journal of Chemistry

✚ Reviewer in Biosciences and Biotechnology Research Asia.

• **Special Awards**

- ✚ **Best Paper award** for the paper entitled “ Method Validation of Ranitidine in Pharmaceutical Chemistry”, National Conference on Recent Advances in Chemistry(NCRAC-2009,)”, Bishop Heber College, 18th September 2009.
- ✚ **Best paper Award for oral presentation in the National Conference on “Expanding Frontiers in Chemical Sciences (EFCS- 2016)”**
- ✚ **Award for service in the field of Education and Society** by Rotary Club of Trichy on 8th March 2018.
- ✚ **Dr. (Sr.) Dona Best Researcher Award for Science** for contribution towards research in the field of Chemistry, by Holy Cross College (Autonomous), Trichy-2 for the academic year 2018-2019.
- ✚ **Awarded “ Women Achiever 2018”** by the Rotary Club of Trichy on 8.3.2018
- ✚ **PROFESSOR C.N.R. RAO BEST YOUNG SCIENTIST AWARD”** for Chemistry from the Bose Science Society, Pudukkottai, 28th February 2020
- ✚ **Young Achiever Award 2022**, by INSC - Institute of Scholars, 21st April 2022.
- ✚ **Young Researcher Award** in the award ceremony held during the International Conference on Innovation in Technology, Agriculture, Management and Social Science-2023 on 5th March 2023 from Research Education Soutions in association with Institute of Management, Bhubaneswar.
- ✚ **Bharath Ratna Mother Teresa Gold Medal Award** from Global Economic Progress and Research Association, GEPR, NewDelhi on the occasion of 61st National Unity Conference for “Individual Achievement and National Development” on 18th March 2023.

Conference/Seminar/Workshop/ Training Programme attended /presented- Academic & General:

S. No.	Theme	Place	International / National / State level	Year	Resource Person / Paper Presentation / Participation
1.	“Sustainable Development for Greener Environment”, National Seminar on Recent Advances in Chemistry(NSTAC-‘09),	A.V.C. College(Autonomous), Mayiladuthurai	National Seminar	2009	Presented
2.	National Seminar on “Emerging Trends in Medicinal and Analytical Chemistry(MEDIAN 09)	St. Joseph’s College(Autonomous), Trichy	National Seminar	2009	Participated
3.	“Method validation of ranitidine in pharmaceutical chemistry”, National Conference on ‘Recent advances in chemistry (NCRAC-2009)	Bishop Heber College(Autonomous), Trichy	National Conference	2009	Presented

4.	“Removal of Hg(II) from aqueous solution using sulphuric acid treated ricinis communis seed shell carbon”, National Conference on ‘Recent advances in chemistry (NCRAC-2009)	Bishop Heber College(Autonomous), Trichy	National Conference	2009	Presented
5.	“A comparative study on the removal of Ni(II) from aqueous solution using castor seed shell, National conference on “Recent Trends in chemistry(RTC-4)”	Jayaraj Annabackiam college for women, Periyakulam	National Conference	2010	Presented
6.	“Removal of Nickel from aqueous solution by adsorption using date seed shell carbon- A comparative study”, International Conference on “Green Chemistry and Sustainable Development(GCASE-2010)”	Holy Cross College(Autonomous), Trichy	International Conference	2010	Presented
7.	“Fennel Seed Extract As Corrosion Inhibitor For Mild Steel In 1MHCl” International seminar on “Emerging Trends in Life Sciences(AURORA-2KXI)”,	Navarasam College of Arts and Science for women, Arachalur, Erode.	International Seminar	2011	Presented
8.	“Mutual influence of cetyl pyridinium chloride and sodium saccharin in biocidal activity and corrosion inhibition of carbon steel”, National Symposium on “Recent developments in chemistry(NSRDC-12)	Srinivasan College of Arts and Science, Perambalur	National Symposium	2012	Presented
9.	“The inhibitory action of the extracts of Terminellia Arjuna And Mahagoni on the corrosion inhibition of mild steel in hydrochloric acid medium- a omparative study”, National Symposium on “Recent developments in chemistr (NSRDC-12)”,	Srinivasan College of Arts and Science, Perambalur	National Symposium	2012	Presented
10.	“Milling Tonia Hortensis Linin.F extract as corrosion inhibitor for mild steel in	Bishop Heber College(Autonomous), Trichy	National Conference	2012	Presented

	aqueous medium”, National Conference on “Emerging Trends in Chemistry(NCETC-2012)”				
11.	“Mild steel corrosion inhibition by mahagoni extract in 1N HCl”, National Conference on “Emerging Trends in Chemistry(NCETC-2012)”	Bishop Heber College(Autonomous), Trichy	National Conference	2012	Presented
12.	“Investigation of TERMINELLIA ARJUNA Leaves Extract as Corrosion Inhibitor for Mild Steel in 1M HCl” , National Conference on “Emerging Trends in Chemistry(NCETC-2012)”	Bishop Heber College(Autonomous), Trichy	National Conference	2012	Presented
13.	Workshop on Scanning Electron Microscopy and X-Ray Diffraction	Care School of Engineering , Trichy	Workshop	2013	Participated
14.	Lecture workshop on Advances in Chemistry	Gandhigram Rural Institute-Deemed University, Dindigul	National workshop	2013	Participated
15.	Workshop on “Basics of Bioinformatics and CADD”	Bioinformatics-BIF Centre, Holy Cross College(Autonomous),	National workshop	2014	participated
16.	Screening of Antibacterial Activity and Phytocompound Studies of Adhutoda Vasica Nees	National Confernece on “Evolutionary Trends in Biological and Pharmaceutical Chemistry, Holy Cross College, 30 th and 31 st January 2014.	National	2014	presented
17.	Preliminary Phytochemical Screening and Antibacterial Activity on Basella Alba L	National Confernece on “Evolutionary Trends in Biological and Pharmaceutical Chemistry, Holy Cross College, 30 th and 31 st January 2014.	National	2014	presented
18.	“A National Level Certificate Program on Good Laboratory Practices(GLP) and Intellectual Property Rights(IPR) in Biosciences”	PG and Research Department of Zoology,Holy Cross College(Autonomous), Trichy-2.		2015	participated
19.	Biosynthesis of Silver Nanoparticles by Melia Dubia	International Conference on Chemical and	International conference	2015	presented

	Leaf aqueous extract and its Antibacterial Activity	Environmental Research (ICCER 2015)PG and Research Department of Chemistry, Jamal Mohamed College, Trichy. 17 th December 2015			
20.	Green Synthesis of Silver Nanoparticles Using Aqueous Extract of Ficus Racemosa Bark and its Antimicrobial Activity.	Expanding Frontiers in Chemical Sciences (EFCS-2016) Vivekanandha College of Arts and Sciences for women, Namakkal. 12 th and 13 th February 2016	National	2016	Presented
21.	Studies on phytochemical, Nutritional analysis and screening of in-vitro biological activities of Melia dubia leaf extract	International Conference on Chemistry of Biomolecules Current Trends and Future Perspectives [ICCBCTFP-2016],Holy Cross College (Autonomous), Trichy in Colloboration with Department of Biochemistry, School of Biological Science, Madurai Kamaraj University on 27 th and 28 th July 2016	International	2016	Presented
22.	Adsorption of Nickel (II) Ions from Aqueous Solution by using Terminaliachebula seed carbon	International Conference on Chemistry of Biomolecules Current Trends and Future Perspectives [ICCBCTFP-2016],Holy Cross College (Autonomous), Trichy in Colloboration with Department of Biochemistry, School of Biological Science, Madurai Kamaraj University on 27 th and 28 th July 2016	International	2016	Presented
23.	GC-MS Analysis and Green Synthesis of Copper Nano particles Using Vitex negundo.L Leaf Extract	International Conference on Chemistry of Biomolecules Current Trends and Future Perspectives [ICCBCTFP-2016],Holy Cross College (Autonomous), Trichy in Colloboration with Department of Biochemistry, School of Biological Science, Madurai Kamaraj University on 27 th and 28 th July 2016	International	2016	Presented

24.	Studies on the removal of Ni (II) ions from aqueous solution using natural adsorbent Prosopus Juliflora bark carbon	International Conference on Chemistry of Biomolecules Current Trends and Future Perspectives [ICCBCTFP-2016], Holy Cross College (Autonomous), Trichy in Collaboration with Department of Biochemistry, School of Biological Science, Madurai Kamaraj University on 27 th and 28 th July 2016	International	2016	Presented
25.	One-day International Seminar on Chemical Biology	Centre for Research and Development (CRD), PRIST University, Vallam, Thanjavur on 29 th December 2016	International	2016	Participated
26.	Isolation of 2-chlorobenzimidazole from Melia dubia leaf extract and its structural characterisation	National Conference on "Recent Advances in Chemistry Research and its Applications" [NCRACRIA-17], PG and Research Department of Chemistry, School of Physical Sciences, St. Joseph's College (Autonomous), Trichy on 19 th January 2017	National	2017	Presented
27.	Youth and Moral Values	National Conference on "Youth and Values" Department of Value Education, Holy Cross College (Autonomous), Trichy on 1 st December 2017	National	2017	Presented
28.	Phytochemical analysis, GC-MS, Antimicrobial and Radical Scavenging Activity on Hydroalcoholic extract of Drypetes Sepiaria	International Conference on "Innovation and Challenges in Biomedical Science Research" [ICICBMSR-2017] PG and Research Department of Biotechnology and Bioinformatics, Holy Cross College (Autonomous), Trichy on 12-14 th December 2017	International	2017	Presented
29.	Workshop on "Teaching and Learning"	Seattle University, School of Law, USA & St.	National	2017	participated

		Joseph's College of Law, Bengaluru. 11 th to 15 th Dec-2017			
30.	Preliminary phytochemical analysis and Radical Scavenging activity on the different extracts of Combretum Ovalifolium	Two-Day National Conference on "New Vistas in Material Science", PG and Research Department of Chemistry, J.J College of Arts and Science (Autonomous), Pudukkottai-622422 on 8 th and 9 th March 2018	National	2018	Presented
31.	Synthesis and characterisation of zinc oxide nanoparticles using flavanoid rich fraction of Melia dubia and evaluation of their catalytic activity on reduction of methylene blue dye and par indicator	International conference on "Networking, Research and Innovation in Higher Education for a Sustainable Society" Challenges and Channels"(ICNRI 2018) at Holy Cross College(Autonomous), Trichy-620 002, between 25 and 27 July 2018	International	2018	Presented
32.	Extaction and identification of phytoconstituents in Manilkara hexandra bark	International conference on "Networking, Research and Innovation in Higher Education for a Sustainable Society" Challenges and Channels"(ICNRI 2018) at Holy Cross College(Autonomous), Trichy-620 002, between 25 and 27 July 2018	International	2018	Presented
33.	Adsorption Of Nickel (Ii) From Aqueous Solution Using Acid Treated Terminalia Paniculata	International conference on "Networking, Research and Innovation in Higher Education for a Sustainable Society" Challenges and Channels"(ICNRI 2018) at Holy Cross College(Autonomous), Trichy-620 002, between 25 and 27 July 2018	International	2018	Presented
34.	Removal of Cr (VI) from Aqueous Solution by Adsorption onto Activated Carbon Prepared from <i>Diplocyclospalmatus</i> seed	International conference on "Networking, Research and Innovation in Higher Education for a Sustainable Society" Challenges and Channels"(ICNRI 2018) at	International	2018	Presented

		Holy Cross College(Autonomous), Trichy-620 002, between 25 and 27 July 2018			
35.	An Ecofriendly Natural Indicator From <i>Musa-Acuminata</i> Fruit Peel Extract For Acid-Base Titration	International conference on “Networking, Research and Innovation in Higher Education for a Sustainable Society”Challenges and Channels”(ICNRI 2018) at Holy Cross College(Autonomous), Trichy-620 002, between 25 and 27 July 2018	International	2018	Presented
36.	Bioremediation of Chromium (Vi) From Aqueous Solution Using <i>Terminalia Paniculata</i> - <i>Hopea Parviflora</i> (Th Mixture)	4 th International Conference on Chemical and Environmental Research(ICCER-2018) at Jamal Mohammed College(Autonomous) Trichy-20 on 19 th December	International	2018	Presented
37.	Characterization And Hypoglycemic Study Of Isolated Natural Polymer From The Stem Of <i>Manilkara Hexandra</i> (Roxb.) Dubard	4 th International Conference on Chemical and Environmental Research(ICCER-2018) at Jamal Mohammed College(Autonomous) Trichy-20 on 19 th December	International	2018	Presented
38.	<i>Diplocyclos palmatus</i> seed and natural clay mixture – An effective and ecofriendly adsorbent for the adsorption of Cr(VI) from aqueous solution	National Conference on Advances in Applied Chemistry,14 th December 2018, St. Joseph’s College, Tiruchirappalli – 620 002	National	2018	Presented
39.	A Study of the Removal Characteristics of Ni(II) Ions Using Saw Dust of <i>Terminalia Paniculata</i> - <i>Hopea Parviflora</i> Mixture (TH Mixture)	National Conference on Advances in Applied Chemistry,14 th December 2018, St. Joseph’s College, Tiruchirappalli – 620 002	National	2018	Presented
40.	Biogenic Synthesis of Copper Nanoparticles Using Aqueous Leaf Extract of <i>Murraya Koenigii</i>	National Conference “Nano National Summit - Current Trends and Future Perspectives” at Holy Cross College (Autonomous), Trichy between 9th & 10th January 2019	National	2019	Presented
41.	Preparation and Characterization of Green	National Conference “Nano National Summit - Current Trends and Future	National	2019	Presented

	Absorbents and their Potential in Heavy Metal Removal	Perspectives” at Holy Cross College (Autonomous), Trichy between 9th & 10th January 2019			
42.	<i>Terminalia paniculata</i> - Phytochemical screening and its suitability as ecofriendly adsorbent	National Conference “Nano National Summit - Current Trends and Future Perspectives” at Holy Cross College (Autonomous), Trichy between 9th & 10th January 2019	National	2019	Presented
43.	Isolation, Characterization, Molecular Docking and In-Vitro Studies of Inhibitory Effect on the Growth of Struvite Crystal of Bioactive Principle from <i>Melia Dubia</i> Leaf Extract	International Conference On Research Initiatives In Chemistry For Sustainable Development at Madurai Kamaraj University, 16 th -17 th May 2019	International	2019	Presented
44.	Applcability of <i>Terminalia paniculata</i> – <i>Hopea parviflora</i> (TH mixture) for adsorptive removal of Ni(II) ions from aqueous solution	National Conference on Recent Advances in Chemical Research(NCRACR-2019)organized by SRM Institute of Science and Technology, Chennai 12, September 2019	Nationala	2019	Presented
45.	Employment of <i>Diplocylos palmatus</i> seed and natural clay mixture as green adsorbent for enhanced adsorption of Cr(VI) ion	National Conference on Recent Advances in Chemical Research(NCRACR-2019)organized by SRM Institute of Science and Technology, Chennai 12, September 2019	Nationala	2019	Presented
46.	Breast cancer and Arthritis activities of of isolated bioactive compound from <i>Melia dubia</i> bark using molecular docking and invitro analysis	International conference on “Expanding Frontiers in Chemistry”, EFC-19, Arul Anandar College, Karumathur, Madurai 13, September 2019	International	2019	Presented
47.	Faculty Orientation in Research and Teaching Excellence(FORTE)	Salesian College, Sonada September 23-25, 2019	National	2019	Participated
48.	Biogenic synthesis of zinc oxide nanomaterial using flavonoid fraction of <i>Melia</i>	International Seminar on Drug Development Research – Current Scenario(ISDDRCS),	International	2020	Presented

	<i>dubia</i> bark and evaluation of its antioxidant efficacy	Srimad Andavan Arts and Science College, Trichy, February 26 2020.			
49.	National Youth Science Conference for Sustainable Development	Puskaram College of Agriculture Sciences, Pudukkottai, February 28, 2020	National	2020	Participated
50.	SDAU MOOC	Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar district, Banaskantha, Gujarat from 23.04.2020 – 01.05.2020	National	2020	Participated
51.	National Level Webinar on “Principle and Applications of Electronic Spectroscopy”	Department of Chemistry, Annai College of Arts and Science on 7.05.2020	National	2020	Participated
52.	Webinar Session on”Life Skills Development”	PG and Research Department of Commerce, Idhaya College for Women, Kumbakonam on 11.05.2020		2020	Participated
53.	International Faculty Development Program on Novel Materials for Energy and Biomedical(Covid 19) Healthcare Applications	Department of Science & Humanities , M. Kumarasamy College of Engineering, Karur from 11.05.2020-16.05.2020	International	2020	Participated
54.	Webinar on “Everything started with Nothing-Make a Start”,	Institution Innovation Council(IIC), Holy Cross College (Autonomous), Trichy on 13.05.2020		2020	Participated
55.	ICT webinar on” Application of ICT in Chemistry for Undergraduates” on using Digital Platform:CiscoWebEX	Department of Chemistry, Stella Maris College(Autonomous), Chennai on 14.05.2020	National	2020	Participated
56.	5 Day Free Online workshop for teachers on Introduction to Animation, Creation of Animated objects and characters, Creation of Interactive Animation and Evaluation	Universal Teachers Academy-Puducherry from 14.05.2020-18.05.2020	National	2020	Participated
57.	Webinar on “Organic Reagents for Competitive Examination”	Department of Chemistry, G.T.N. Arts College(Autonomous), Dindigul on 15.05.2020		2020	Participated

58.	National Webinar entitled "e-Content Development Methodology"	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD on 15.05.2020	National	2020	Participated
59.	Online Lecture on "A Systematic Approach Towards Molecular Docking and Drug Design"	Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai on 15.05.2020	National	2020	Participated
60.	Online Course on "Basics in Chromatography,	DIPAM Foundation and Sheth M.N. Science College, Patan from 18.05.2020-27.05.2020	National	2020	Participated
61.	Webinar on "Art of Writing Scientific Articles and Project Proposals"	PG and Research Department of Physics, Holy Cross College(Autonomous), Trichy on 22.05.2020		2020	Participated
62.	Webinar on "Healthy Immunity in Pandemic Situation"	CICRSD, Holy Cross College(Autonomous), Trichy on 26.05.2020		2020	Participated
63.	Webinar Series on "Reimaging Research in the Era of Disruptions and Uncertainties"	Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society, UGC, STRIDE COMPONENT 1, Holy Cross College(Autonomous), Trichy on 27.05.2020		2020	Participated
64.	National Webinar entitled "Women in Higher Education: Issues and Challenges during Corona Pandemic"	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD on 27.05.2020	National	2020	Participated

65.	HCCares Webinar Series on the topic"HEALTHY PARENTING STYLES"	Holy Cross College(Autonomous), Trichy on 27.05.2020		2020	Participated
66.	Webinar Series on "Andragogy of Online Teaching"	IQAC,Holy Cross College(Autonomous), Trichy on 29.05.2020		2020	Participated
67.	Webinar Series on "Remote Classrooms-Digital Technology in Teaching Learning"	IQAC,Holy Cross College(Autonomous), Trichy on 30.05.2020		2020	Participated
68.	International webinar on "Cyclic and Linear Sweep Voltammetry-Fundamentals and Applications"	Department of Chemistry, Bhaktavatsalam Memorial College for Women, Chennai on 31.05.2020	International	2020	Participated
69.	HCCares Webinar Series on the topic"Seed and Weed-Nurturing Relationships"	Holy Cross College(Autonomous), Trichy on 02.06.2020		2020	Participated
70.	National webinar on "Achieving Excellence in Higher Education in India in the 21 st century:Challenges and opportunities"	Sharda University, School of Business Studies, IQAC on 3.06.2020	National	2020	Participated
71.	5 Day Free Online workshop for teachers	Universal Teachers Academy-Kallakuruchi and Chinnasalem from 2.6.2020 - 6.6.2020		2020	Participated
72.	National Webinar on "Nano Materials"	Research Department of Chemistry, Sadakathullah Appa College(Autonomous), Tirunelvi on 6.06.2020	National	2020	Participated
73.	Webinar on "Obesity and its role in Breast Cancer"	CICRSD, Holy Cross College(Autonomous), Trichy on 6.06.2020		2020	Participated
74.	Webinar Lecture Series on "Knowledge Access and Sharing:Challenges and Opportunities"	08.06.2020-14.06.2020		2020	Participated
75.	Faculty Development Programme in Moodle Learning Management System	Auxilium College(Autonomous), Gandhinagar, Vellore from 8.06.2020 -14.6.2020	National	2020	Participated
76.	Webinar on "Discover Your values:COVID-19"	Department of Value Education, Holy Cross College (Autonomous), Trichy on 10.06.2020		2020	Participated

77.	Webinar on “Awareness,Advocacy & Action-Women & Their Rights”	Come Alive, Holy Cross College (Autonomous), Trichy on 10.06.2020		2020	Participated
78.	Webinar Series II on”STRIDE Tutorial on Transdisciplinary Research”	Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society, UGC, STRIDE COMPONENT 1,Holy Cross College(Autonomous), Trichy on 11.06.2020		2020	Participated
79.	Webinar Series on “Risk Management in Times of Crisis”	IQAC,Holy Cross College(Autonomous), Trichy on 12.06.2020		2020	Participated
80.	National Webinar entitled ”Teaching During and Post COVID Times”	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD on 12.06.2020	National	2020	Participated
81.	Faculty Development Programme-Online workshop on “Virtual Teaching- A Paradigm Shift from Offline to Online Teaching”	PG and Research Department of Biotechnology, Holy Cross College (Autonomous) and Nyro Research India, Kochi, Kerala. India 15.6.2020 ,17.6.2020, 19.6.2020		2020	Participated
82.	Webinar on “Combat the Pandemic Stress through Yoga”	Holy Cross College (Autonomous), Trichy on 21.06.2020		2020	Participated
83.	One week online International Faculty Development Program (FDP) on “Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives”	CICRSD, Holy College (Autonomous), Trichy from 4.07.2020-10.07.2020	International	2020	Participated
84.	FDP-Webinar Series III for faculty, Research scholars and students	Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society,		2020	Participated

		UGC, STRIDE COMPONENT 1, Holy Cross College(Autonomous), Trichy 13.07.2020-18.07.2020			
85.	Webinar Series on “Implications of the NEP 2020”	IQAC, Holy Cross College(Autonomous), Trichy on 25.08.2020		2020	Participated
86.	Empowerment Series IV-Boot Camp	the Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society, UGC, STRIDE COMPONENT 1, Holy Cross College(Autonomous), Trichy from 22.09.2020-24.09.2020		2020	Participated
87.	Webinar Series on “Addressing Challenges in Higher Education through the OBE mode”	IQAC, Holy Cross College(Autonomous), Trichy 4.01.2020		2020	Participated
88.	Two day -Awareness workshop-NIRF India Rankings-2021 for Higher Educational Institutions,	Institute for Academic Excellence Hyderabad in collaboration with Collegiate Education and Technical Education Department, Govt of Telangana from 18.01.2021-19.01.2021	National	2020	Participated
89.	One Week Online National Faculty Development Program/Refresher Course on “Enhancing Quality of Chemistry Education in India”	organized by Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, Ministry of Education, Government of India from 25th February 2021 to 03rd March 2021.	National	2021	Participated
90.	Phyto-mediated synthesis of silver nanoparticles using plant derived Rutin from Melia dubia and evaluation of antimicrobial and antioxidant activity	three days international conference on “Sustainable Materials and Technologies for Bio and Energy Applications, (SMTBEA-2021)” during 19-21, May 2021 organized by the Department of	International	2021	Presented

		Electronics & Communication Engineering, SSN College of Engineering, Kalavakkam, Chennai,603110, India.			
91.	National Webinar on “Achieving Excellence in Higher Education in India in the 21 st Century: Challenges and Opportunities	School of Business studies & IQAC, Sharada University on 3 rd June 2021	National	2021	Participated
92.	Five day online International Workshop on “Creating Interactive E-Assessment Tools”	Universal Teachers Academy, Puducherry during 14-18 th June 2021	International	2021	Participated
93.	Two day NAAC National Virtual Conference	Rathinam College of Arts and Science,25.6.2021 and 26.6.2021	National	2021	Participated
94.	Three-day Faculty Development Program on Citation Styles and Reference Lists	Siva Sivani Institute Of Management, Kompally, Secunderabad – 500 100 , Telangana, 21 st -23 rd June2021	National	2021	Participated
95.	National Level Virtual Conference on “Best Practices and their success stories in Higher Educational Institutions”	Rathinam College of Arts and Science, 25 th and 26 th June 2021	National	2021	Participated
96.	One week Faculty Development Program on “Strengthening Academic & Research Pursuit in the 21 st Century”	Jointly organized by Department of Chemistry and Biochemistry, School of Basic Sciences and Research, Sharda University, Greater Nodia and Guru Angad Dev Teaching Learning Centre, SGTB, Khalsa Colleg, University of Delhi Under PMMMMNMTT of Ministry of Education-28 th June -4 th July 2021	National	2021	Participated
97.	Virtual Seminar on Academic and Administrative Audit-A Benchmark for Quality Enhancement in Higher Education	IQAC of SHASUN Jain College for women in association with National Assessment and Accreditation Council (NAAC) -20 th August 2021	National	2021	Participated

98.	Five days Online Faculty Development Cum Certificate Program on “Recent Advances in Analytical Research Techniques”	PG and Research Department of Chemistry, Holy Cross College(Autonomous), Trichy-620 002-27 th September to 1 st October 2021	National	2021	Participated
99.	Indicator Property of Pseuderanthemum Reticulatum Leaves in Acid - Base Titrations	International Conference on “Frontiers in Chemical Research”-3 rd and 4 th February 2022	International	2022	Presented
100.	Five Days International FDP on “Smart Materials For New Technology”	St. Mary’s College(Autonomous), Thoothukudi-18 th -23 rd February 2022	International	2022	Participated
101.	Leveraging Science Direct Platform for Maximum Impact	Holy Cross College(Autonomous), Trichy presented by Lavanya Trikha Inside Solution Manager-1 st March 2022	National	2022	Participated
102.	Synthesis, Characterisation, Anti-oxidant and In-vitro antibreast cancer activity of Rutin mediated Zinc oxide nanoparticle	International Virtual Conference on Futuristic Aspects of Sensors and Biosensors”(IVCFASB-2022)organized by PG and Research Department of Chemistry, Holy Cross College(Autonomous), Trichy-620 002.-3 rd and 4 th March 2022	International	2022	Presented
103.	One week FDP on”Recent Advances in Chemistry”	Jointly organized by Vellore Institute of Technology, Chennai and Guru Angad Dev Teaching Learning Centre, SGTB, Khalsa Colleg, University of Delhi Under PMMMMNMTT of Ministry of Education-30 th -5 th April 2022	National	2022	Participated
104.	One day FDP on”Green Audit and Energy Audit in HEI’s”	IOT Academy, 28 th December 2022	National	2022	Participated
105.	Three days national level FDP on “IPR, Entrepreneurship and Start-ups”	IOT Academy, 21 st -23 rd December 2022	National	2022	Participated

106.	Seven Days National Level FDP on "The Art of Teaching"	IOT Academy, 6 th -15 th November 2023	National	2023	Participated
107.	Synthesis of Magnesium-Catechin Complex and its Biological Evaluation towards Oxidative Stress	International Conference on "Emerging Trends in Chemistry"(ICETC-2023) organized by the Department of Chemistry, Srimad Andavan Arts and Science College(Autonomous), Trichy-620 005 – 5 th and 6 th December 2023	International	2023	Presented
108.	Green synthesis of silver nanoparticles using the aqueous extract of <i>Pseuderanthemum reticulatum</i> and its antimicrobial and antioxidant activity	International Conference on "Recent Advances in Physical Sciences(ICRAPS) organized by school of physical sciences in collaboration with Mullai Academia International Pvt, Ltd. Chennai at Holy College(Autonomous), Trichy-620 005 – 19 th and 20 th January 2024	International	2024	Presented
109.	Potential use of <i>Hibiscus rosasinesis</i> L as green corrosion inhibitor for mild steel corrosion in 1 M HCl	International Conference on "Recent Advances in Physical Sciences(ICRAPS) organized by school of physical sciences in collaboration with Mullai Academia International Pvt, Ltd. Chennai at Holy College(Autonomous), Trichy-620 005 – 19 th and 20 th January 2024	International	2024	Presented
110.	Antiinflammatory and antioxidant activity of copper oxide nanoparticles synthesized from <i>albizia amara</i> leaf extract	International Conference on "Recent Advances in Physical Sciences (ICRAPS) organized by school of physical sciences in collaboration with Mullai Academia International Pvt, Ltd. Chennai at Holy College(Autonomous), Trichy-620 005 – 19 th and 20 th January 2024	International	2024	Presented

111.	Mg-Zn bimetallic nanoparticle for antimicrobial and dye degradation application	International Conference on “Recent Advances in Physical Sciences(ICRAPS) organized by school of physical sciences in collaboration with Mullai Academia International Pvt, Ltd. Chennai at Holy College(Autonomous), Trichy-620 005 – 19 th and 20 th January 2024	International	2024	Presented
112.	Optimization and synthesis of zinc oxide nanoparticles from mubia maderaspatana leaf and evaluation of their antioxidant and anticancer activities	International Conference on “Recent Advances in Physical Sciences(ICRAPS) organized by school of physical sciences in collaboration with Mullai Academia International Pvt, Ltd. Chennai at Holy College(Autonomous), Trichy-620 005 – 19 th and 20 th January 2024	International	2024	Presented
113.	Anti oxidant and anticancer activities of biogenic synthesised zinc oxide nanoparticles using Pergularia daemia extract	International Conference on “Recent Advances in Physical Sciences(ICRAPS) organized by school of physical sciences in collaboration with Mullai Academia International Pvt, Ltd. Chennai at Holy College(Autonomous), Trichy-620 005 – 19 th and 20 th January 2024	International	2024	Presented
114.	Synthesis and Characterization of Rutin-Functionalized Cu-Zn Nanoparticles for Enhanced Antimicrobial Activity	One-Day International Conference on Recent Trends In Chemistry and Energy Science (RTCES – 2024) organized by PG & Research Department of Chemistry, Saraswathi Narayanan College, Madurai -13 th September	International	2024	Presented
115.	Exploring Anticancer and Antioxidant Potential of Zinc and Copper Oxide Nanoparticles Synthesized with Mukia Maderaspatana	One-Day International Conference on Recent Trends In Chemistry and Energy Science	International	2024	Presented

		(RTCES – 2024) organized by PG & Research Department of Chemistry, Saraswathi Narayanan College, Madurai -13 th September			
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