

## PROFILE

**Dr. M. STELLA BHARATHY**  
Assistant Professor  
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**Professional Summary:** I am an Assistant Professor with doctorate degree in Chemistry. My objectives are to be the best I can, to be a part of a team, contributing, learning and enhancing my development both as a professional and as a human being. I am highly motivated, enthusiastic and dedicated educator who wants all children to be successful learners. My research areas include adsorption, phytochemistry, kinetics and nanochemistry.

### Educational Qualification: M.Sc., M.Phil., M.Ed., Ph.D.

Courses	Subject (s)	Name of the Board/ University	Year of Passing	Percentage of marks obtained	Division/ Class/ Grade
Ph.D. (Chemistry)	Chemistry	Bharathidasan	2020	Commendable	-
M.Phil. (Chemistry)	Chemistry	Bharathidasan	2005	71%	First Class
M.Sc. (Chemistry)	Chemistry	Bharathidasan	2003	80% (University Fifth Rank)	First Class with distinction
B.Sc. (Chemistry)	Chemistry	Bharathidasan	2001	84%	First Class with distinction
B.Ed.	Education	Tamilnadu Teachers Education University	2010	92% (University First Rank)	First Class with distinction
M.Ed.	Education	Tamilnadu Teachers Education University	2011	69%	First Class
Higher Secondary (+2)		St. John's Vestry Higher Secondary School, Trichy	1998	84%	First Class with distinction
S.S.L.C		St. John's Vestry Higher Secondary School, Trichy	1996	65%	First Class

### Teaching Experience: 17 years

Name of the Institution	Designation	Working period	Working experience
Holy Cross College, Trichy.	Assistant Professor	16.06.2016 – till date	
CARE Group of Institutions, Trichy.	Assistant Professor	02.07.2012 - 12.05.2016	3years 10 months
MAM College of Engineering and Technology, Trichy.	Assistant Professor	21.06.2010 - 18.05.2012	1year 10 months
Holy Cross College, Trichy.	Lecturer	05.12.2003 - 13.06.2007	3years 6 months

## Positions Held

S. No.	Name of the Position	Period
1.	Department Association in charge	2016-2017
2.	Alumnae committee-core member	2017-2018
3.	E-content core member	From 2017 onwards
4.	Department DST - FIST member	2018-2019
5.	Department fine arts representative	2018-2020
6.	Department College magazine committee member	2020-2021
7.	Department PTM committee member	2021-2022
8.	Department Association incharge	2022-2023
9.	Core committee member of HCC Centennial Expo 2023	2022-2023
10.	Member of centennial year women's day award committee	2022-2023
11.	Department Sports representative	2023-2024
12.	Organizing committee member of Girl Child Conference	2023-2024
13.	All India Survey for Higher Education (AISHE) – Nodal Officer	From 2023 onwards
14.	Internal Quality Assurance Cell (IQAC) core committee member	From 2023 onwards
15.	Admission committee core member	From 2023 onwards
16.	Coordinator of Curie Chemistry Forum	2024-2025

## E-lessons developed:

S. No.	Title of the E-lessons
1.	Conductometric titrations
2.	Volumetric Titrations
3.	Baeyer's Strain Theory
4.	Introduction to Nephelometry and Turbidimetry
5.	Photophysical processes
6.	Pinacol-pinacolone rearrangement
7.	Wade's rule

## Awards:

- Received the **“YOUNG RESEARCHER AWARD - 2022”** awarded by Institute of Scholars (INSC), Karnataka in the year 2022 for contribution towards research in chemistry.
- Received the **“C. V. RAMAN PRIZE - 2022”** awarded by Institute of Researchers (InRes), Kerala in recognition of outstanding professional and research achievements in the field of Chemistry.
- Received the **“BHARAT RATNA MOTHER TERESA GOLD MEDAL AWARD”** awarded by Global Economic Progress and Research Association (GEPR) New Delhi in the year 2023 for the excellence in the respective field.
- Received the **“ACADEMIC EXCELLENCE AWARD – 2023”** awarded by Research Education Solutions (RES) in the year 2023 for the excellence in the respective field.

## Memberships in Professional body:

- Life member in the Association of Chemistry Teachers (ACT) Mumbai. (Membership number: 2413)
- Life member in the Institute of Scholars (Professional Membership Id: 20223YRA127)
- Life member in the Bose Scientific Society (Membership number: M860/BSS/2022)

- Fellow member in the Bose Scientific Society (Fellowship number: F860/BSS/2022)
- Life member in the Institute of Researchers (Membership number: LM082201)

**Reviewer:**

- Serving as reviewer in InSc - International Journal of Engineering, Basic Sciences, Management and Social Studies (IJEBMS) (Under the stream Basic and Medical Sciences)
- Serving as reviewer in Oriental Journal of Chemistry

**Editor:**

- Served as an editor for edited book titled “Futuristic Trends in Physical Sciences -Volume 3 - Book 5” with the E-ISSN: 978-93-5747-725-3 and Print ISSN: 978-93-6252-175-0 in April 2024.

**Resource Person:**

- Served as resource person in the Workshop on Journey into Science – Exploration of Wonders and delivered a lecture on the topic Nutrition and Healthy Foods held on 30<sup>th</sup> and 31<sup>st</sup> May 2024 at Holy Cross College (Autonomous) Trichy.
- Served as resource person in the workshop on Preparation of chemical reagents and laboratory safety measures for newly recruited staff and non-teaching staff on 28<sup>th</sup> June 2024 at Holy Cross College (Autonomous) Trichy.

**Organizing Secretary - Conference/Workshop/Seminar:**

- Acted as an organizing secretary in the International conference on “Materials Science for Sustainable Environment” held on 23<sup>rd</sup> and 24<sup>th</sup> August 2022.

**Book /Book Chapter Publication:**

- 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 (ISBN: 978-93-5747-885-4) December 2023.
- 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. (ISBN: 978-93-93502-80-3)
- Jointly authored the “Lab Manual” for undergraduate students published by Holy Cross College Publishing House.

**Refresher Course/ Faculty Induction Programmes/Orientation Programmes:**

- Attended two - week refresher course in Chemistry from 29 November – 13 December, 2022 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Attended one-month faculty induction programme from 25 February to 27 March 2023 organized by Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi.

**Certificate Course:**

- Attended ten days certificate course in chromatography organized by Sheth. M. N. Science College, Patan, Gujarat from 07.05.2020 to 16.05.2020.
- Attended one-week short term program on Ethics in Academic Research Writing organized by AMET University, Chennai from 30.01.2023 to 04.02.2023.

**Research Undergone:**

- Ph.D. - Characterization and adsorption dynamics of activated carbon from environmentally benign materials and their evaluation on Ni (II) and Cr (VI) ions adsorption in aqueous and industrial waste waters.
- M.Phil. - Phytochemical Quantitative Analysis of Primary and Secondary metabolites of *Bacopa monneri*.
- M.Sc. - Kinetic Study of debromination of cinnamic acid dibromide.

**Research Area:**

- Adsorption, Phytochemistry, Kinetics and Nanochemistry.

**Research Experience:**

- 07 years guiding projects for the PG students
- 10 years guiding projects for the UG students

**Scholarship and other prizes won:**

- University First rank holder for best performance in B.Ed., for the year 2010.
- University fifth rank holder for best performance in M.Sc., for the year 2003.
- Dr. NSS endowment award for outstanding academic performance in M.Sc., at Bishop Heber College for the year 2003.
- Merit Scholarship for best academic performance in B.Sc., at Holy Cross College for the year 2001.

**Papers published:**

1. M. Stella Bharathy, J. Rosaline Vimala, A. Agila and S. Margrat Sheela and S. Vimala, Exploring the Therapeutic Potential of *Pergularia daemia*: Synthesis and Characterization of Zinc Oxide Nanoparticles, *Oriental Journal of Chemistry*, 40 (4), 2024, 1061-1066. (WOS)
2. M. Stella Bharathy, J. Rosaline Vimala and A. Agila, Antibacterial Agent of *Echinochloa esculenta* Mediated ZnO Nanoparticles on Urinary Tract Infection-Causing Bacteria, *Journal of Reports in Pharmaceutical Sciences*, January-December 2024; 12(1), 1-6. (SCOPUS and WOS)
3. M. Stella Bharathy, J. Rosaline Vimala and A. Agila, Green synthesis of *Paspalum scrobiculatum* mediated copper oxide nanoparticles and its anti-bactericidal activities, *Asia-Pacific Journal of Science and Technology* Vol. 28, Issue 1, (2022), 1-8. (SCOPUS)
4. M. Stella Bharathy, J. Rosaline Vimala and A. Agila, Rutin Mediated Synthesis of Silver Nanoparticles Derived from *Melia Dubia* and Evaluation of Antioxidant and Antimicrobial Activity, *Research Journal of Chemistry and Environment*, Vol. 27 (7) July (2023), 45-49. (SCOPUS)
5. M. Stella Bharathy, J. Rosaline Vimala, A. Agila and S. Margrat Sheela, In vitro Pharmacological Activities of *Delonix Elata* Extract Mediated Zinc Oxide Nanoparticles, *Oriental Journal of Chemistry*, 38 (4), 2022, 1037-1046. (WOS)
6. M. Stella Bharathy, J. Rosaline Vimala, A. Agila and S. Margrat Sheela, Anti-Oxidant and Anti-Cancer Activities of Biogenic Synthesized Copper Oxide Nanoparticles, *Biomedical and Biotechnology Research Journal*, 6,2022,341-348. (WOS and SCOPUS)
7. M. Stella Bharathy, J. Rosaline Vimala, A. Agila and S. Margrat Sheela, Inhibitory Effect of *Basella alba*-Mediated Zinc Oxide Nanoparticles against the Infection-Causing Bacteria, *Biomedical and Biotechnology Research Journal*, 6,2022,353-359. (WOS and SCOPUS)

8. M. Stella Bharathy, J. Rosaline Vimala, A. Agila and S. Margrat Sheela, Comparison of Anti-Inflammatory Activities of Biogenic *Gymnema Sylvestre*- and *Panicum sumatrense*-Mediated Titanium Dioxide Nanoparticles, *Biomedical and Biotechnology Research Journal*, 5(4) 2021,405-411. (WOS and SCOPUS)
9. M. Stella Bharathy, J. Rosaline Vimala and A. Agila, Potential Use of Copper Oxide Nanoparticles from *Solanum trilobatum* Against Pathogenic Bacteria, *Oriental Journal of Chemistry*, 37 (4), 2021, 991-996. (WOS)
10. S. Margrat Sheela, J. Rosaline Vimala, M. Stella Bharathy and A. Agila, *Psuderanthimum reticulatum*: A New Green Source for Dyeing of Cotton Fabric, *Asian Journal of Chemistry*, 32 (10), 2020, 2585-2588. (SCOPUS)
11. S. Margrat Sheela, J. Rosaline Vimala, A. Agila, M. Stella Bharathy, G. Dayana Jeyaleela, and M. Divya, Biofabrication of Zinc Oxide Nanoparticles using the Isolated Flavonoid from *Combretum ovalifolium* and its Anti-Oxidative Ability and Catalytic degradation of Methylene Blue Dye., *Oriental Journal of Chemistry*, 36(4), 2020, 655-664. (WOS)
12. M. Stella Bharathy, A. Agila and J. Rosaline Vimala, *Diplocyclos palmatus* Seed powder: An ecofriendly sorbent for the uptake of Ni (II) from aqueous solution. *Journal of Pharmacognosy and Phytochemistry*,7(3), 2018, 2425-2432. (UGC)
13. M. Stella Bharathy, A. Agila and J. Rosaline Vimala, Natural Sand as an Adsorbent for the Removal of Ni (II) from Aqueous Solution. *International Journal of Scientific Research and Review*, 7(6), 2018,309-317. (UGC)
14. A. Agila, J. Rosaline Vimala and M. Stella Bharathy, Biosorption of Hexavalent Chromium by Acid Treated *Terminalia Paniculata* saw dust, *International Journal of Scientific Research and Review*, 7(6), 2018, 318-35. (UGC)
15. A. Agila, J. Rosaline Vimala and M. Stella Bharathy, Adsorption of Nickel (II) by low cost *Hopea parviflora* Saw dust, *Journal of Pharmacognosy and Phytochemistry*,7(3), 2018, 2452-2455. (UGC)
16. M. Stella Bharathy, A. Agila and J. Rosaline Vimala, Studies on the Removal of Ni (II) ions from aqueous solution using natural adsorbent *Prospus Juliflora* bark, *International Journal of Scientific and Engineering Research*,7(8), 2016,243-248. (UGC)
17. A. Agila, J. Rosaline Vimala and M. Stella Bharathy, Adsorption of Nickel (II)ions from aqueous solution by using *Terminalia chebula* seed carbon, *International Journal of Scientific and Engineering Research*,7(8), 2016,1-7. (UGC)

**Research papers presented in national/international conferences, workshops, seminars and symposium: [Total number of papers presented: 39]**

S.No.	Academic Year	Name of the Conference	National / International	Details
1.	2004-2005	National Conference on Recent Trends in Applied Chemistry	National	Phytochemical Quantitative Analysis of Primary and Secondary metabolites of <i>Bacopa monneri</i> at St. Joseph's College, Trichy on Trichy 10 <sup>th</sup> and 11 <sup>th</sup> January 2005
2.	2005-2006	International conference on Life through Chemistry	International	Kinetic Study of debromination of cinnamic acid dibromide at Ponnaiyah

				Ramajayam College, Thanjavur on 25 <sup>th</sup> and 26 <sup>th</sup> February 2006
3.	2016-2017	International Conference on Chemistry of Biomolecules Current Trends and Future Perspectives [ICCBCTFP-2016]	International	Adsorption of Nickel (II) Ions from Aqueous Solution by using Terminalia chebula seed carbon at Holy Cross College (Autonomous), Trichy on 27 <sup>th</sup> and 28 <sup>th</sup> July 2016
4.	2016-2017	International Conference on Chemistry of Biomolecules Current Trends and Future Perspectives [ICCBCTFP-2016]	International	Studies on the removal of Ni(II) ions from aqueous solution using natural adsorbent <i>Prospus Juliflora</i> bark at Holy Cross College (Autonomous), Trichy on 27 <sup>th</sup> and 28 <sup>th</sup> July 2016
5.	2018-2019	International conference on “Networking, Research and Innovation in Higher Education for a Sustainable Society” Challenges and Channels” (ICNRI 2018)	International	Adsorption Of Nickel (ii) From Aqueous Solution Using Acid Treated <i>Terminalia Paniculata</i> at Holy Cross College (Autonomous), Trichy on 25 <sup>th</sup> to 27 <sup>th</sup> July 2018
6.	2018-2019	International conference on “Networking, Research and Innovation in Higher Education for a Sustainable Society” Challenges and Channels” (ICNRI 2018)	International	Removal of Cr (VI) from Aqueous Solution by Adsorption onto Activated Carbon Prepared from <i>Diplocyclos palmatus</i> seed at Holy Cross College (Autonomous), Trichy on 25 <sup>th</sup> to 27 <sup>th</sup> July 2018
7.	2018-2019	International Conference on Chemical and Environmental Research (ICCER-2018).	International	Uptake of Ni(II) from aqueous solution by environmentally benign adsorbent from the mixture of <i>Diplocyclos palmatus</i> seed and natural clay at Jamal Mohammed College(Autonomous) Trichy-20 on 19 <sup>th</sup> December 2018
8.	2018-2019	International Conference on Chemical and Environmental Research (ICCER-2018).	International	Bioremediation of Chromium (Vi) From Aqueous Solution Using Terminalia Paniculata - Hopea Parviflora (Th Mixture) at Jamal Mohammed College (Autonomous) Trichy-20 on 19th December

9.	2018-2019	National Conference on Advances in Applied Chemistry	National	<i>Diplocyclos palmatus</i> seed and natural clay mixture – An effective and ecofriendly adsorbent for the adsorption of Cr(VI) from aqueous solution at St. Joseph's College, Tiruchirappalli – 620 002 on 19 <sup>th</sup> December 2018
10.	2018-2019	National Conference on Advances in Applied Chemistry	National	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) at St. Joseph's College, Tiruchirappalli – 620 002 on 19 <sup>th</sup> December 2018
11.	2018-2019	National Conference - "Nano National Summit - Current Trends and Future Perspectives"	National	National Conference "Nano National Summit - Current Trends and Future Perspectives at Holy Cross College (Autonomous), Trichy between 9th & 10th January 2019
12.	2018-2019	National Conference - "Nano National Summit - Current Trends and Future Perspectives"	National	Preparation and Characterization of Green Absorbents and their Potential in Heavy Metal Removal at Holy Cross College (Autonomous), Trichy between 9th & 10th January 2019
13.	2018-2019	National Conference - "Nano National Summit - Current Trends and Future Perspectives"	National	<i>Terminalia paniculata</i> - Phytochemical screening and its suitability as ecofriendly adsorbent at Holy Cross College (Autonomous), Trichy between 9th & 10th January 2019
14.	2018-2019	National Conference on Recent Advances in Chemical Research (NCRACR-2019)	National	Employment of <i>Diplocyclos palmatus</i> seed and natural clay mixture as green adsorbent for enhanced adsorption of Cr (VI) ion at SRM Institute of Science and Technology, Chennai
15.	2020-2021	International conference on "Sustainable Materials and Technologies for Bio and Energy Applications, (SMTBEA-2021)"	International	Eco-friendly synthesis and characterization of zinc oxide nanoparticles using ethanolic extract of <i>Echinochloa esculenta</i> for antibacterial

				activity at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 19-21 May, 2021
16.	2020-2021	International conference on “Sustainable Materials and Technologies for Bio and Energy Applications, (SMTBEA-2021)”	International	Leaf Extract Mediated Green Synthesis of Zinc Oxide Nanoparticles Using Basella Alba And Its Characterisation at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 19-21 May, 2021
17.	2020-2021	International conference on “Sustainable Materials and Technologies for Bio and Energy Applications, (SMTBEA-2021)”	International	Anti-Breast cancer, Anti-Arthritis and Anti-Urolithiatic, activities of bioactive anthocyanin compound derived from <i>Melia dubia</i> bark extract by Molecular docking and In-Vitro analysis at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 19-21 May, 2021
18.	2021-2022	International conference on “Sustainable Materials and Technologies for Bio and Energy Applications, (SMTBEA-2021)”	International	Phyto-mediated synthesis of silver nanoparticles using plant derived Rutin from <i>Melia dubia</i> and evaluation of antimicrobial and antioxidant activity at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 19-21 May, 2021
19.	2021-2022	International Symposium on Modeling of Crystal Growth Processes and Devices	International	Potential use of copper oxide nanoparticles from <i>Solanum trilobatum</i> against pathogenic bacteria at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 5-8 , July 2021
20.	2021-2022	International Symposium on Modeling of Crystal Growth Processes and Devices	International	Green Synthesis, Characterization and Its Antibacterial Activity of Copper Nanoparticles Using <i>Paspalum Scrobiculatum</i> Extract at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 5-8 , July 2021



21.	2021-2022	International Symposium on Modeling of Crystal Growth Processes and Devices	International	Biogenic Synthesis Of Iron And Copper Nanoparticles Using Rutin Loaded Starch And Evaluation Of Their Antimicrobial Activity at Sivasubramaniya Nadar College of Engineering, Kelavakkam during 5-8 , July 2021
22.	2021-2022	International Conference on Smart Materials Chemistry – CHEMSMAT-21	International	Anti-inflammatory activity of titanium dioxide nanoparticles synthesized using <i>Gymnema sylvestre</i> leaf extract at St. Joseph’s College ( Autonomous), Trichy – 620 002 during 29-31 July,2021
23.	2021-2022	International Conference on Futuristic aspects of sensors and biosensors	International	Evaluation of Antioxidant And Anti-inflammatory Activities OF Zinc Oxide Nanoparticles Synthesized From <i>Albizia Amara</i> Leaf - An <i>In-Vitro</i> Study at Holy Cross College, Trichy during 03-04 March 2022
24.	2021-2022	International Conference on Futuristic aspects of sensors and biosensors	International	Synthesis, Characterisation, Antioxidant and In-Vitro Anti-Breast Cancer Activity of Rutin Mediated Zinc Oxide Nanoparticle at Holy Cross College, Trichy during 03-04 March 2022
25.	2021-2022	International Conference on Futuristic aspects of sensors and biosensors	International	Biosynthesis, characterization, antioxidant and anti- inflammatory activities of zinc oxide nanoparticles from leaf extract of <i>Delonix elata</i> at Holy Cross College, Trichy during 03-04 March 2022
26.	2021-2022	International Conference on Futuristic aspects of sensors and biosensors	International	Synthesis of Silver Nanoparticles Using Ethanolic Extract of <i>Pseuderanthemum Reticulatum</i> and its Antimicrobial Activity at Holy Cross College, Trichy during 03-04 March 2022
27.	2022-2023	International Conference on Materials Science for Sustainable Environment	International	Anti-Inflammatory Activity of Titanium Dioxide Nanoparticles Synthesised from <i>Panicum Sumatrense</i>

				Extract: An In Vitro Study at Holy Cross College, Trichy during 23-24 August 2022
28.	2022-2023	International Conference on Materials Science for Sustainable Environment	International	Isolation of <i>Manilkara Hexandra</i> (Roxb) Gum - Natural Polysaccharide as Biomaterial for Treatment of Diabetes at Holy Cross College, Trichy during 23-24 August 2022
29.	2022-2023	International Conference on Materials Science for Sustainable Environment	International	Preparation of Starch-Supported Free Radical Scavenging, and Antimicrobial “Green” Tin Nanocomposite Using Rutin at Holy Cross College, Trichy during 23-24 August 2022
30.	2022-2023	International Conference on Materials Science for Sustainable Environment	International	AntiOxidant and AntiCancer activities of Biogenic Synthesized Copper Oxide Nanoparticles using <i>Justicia Glauca</i> extract at Holy Cross College, Trichy during 23-24 August 2022
31.	2022-2023	International Conference on Innovations and Applications in Biomedical and Health Sciences	International	Metal Catechin Complexes and their biological evaluation towards oxidative stress at Holy Cross College, Trichy during 23-25 January 2023
32.	2023-2024	International Conference on Emerging Trends in Chemistry (ICETC-2023)	International	Synthesis of Magnesium-catechin complex and its Biological Evaluation Towards Oxidative Stress at Srimad Andavan Arts and Science College (Autonomous) Tiruchirappalli-620 005 5 <sup>th</sup> and 6 <sup>th</sup> December 2023
33.	2023-2024	International Conference on Recent Advances in Physical Sciences	International	Mg-Zn Bimetallic Nanomaterial for Antimicrobial and Dye Degradation Application at Holy Cross College, Trichy on 19 and 20 January 2024.
34.	2023-2024	International Conference on Recent Advances in Physical Sciences	International	Antioxidant and Anti-Inflammatory Activities of copper Oxide Nanoparticles Synthesized from <i>Albizia Amara</i> Leaf Extract at Holy

				Cross College, Trichy on 19 and 20 January 2024.
35.	2023-2024	International Conference on Recent Advances in Physical Sciences	International	Optimization and Synthesis of Zinc Oxide Nanoparticles from <i>Mukia Maderaspatana</i> Leaf and Evaluation of their Antioxidant and Anti-Cancer Activities at Holy Cross College, Trichy on 19 and 20 January 2024.
36.	2023-2024	International Conference on Recent Advances in Physical Sciences	International	Anti-Oxidant and Anti-Cancer activities of Biogenic Synthesized Zinc Oxide Nanoparticles using <i>Pergularia Daemia</i> extract at Holy Cross College, Trichy on 19 and 20 January 2024.
37.	2023-2024	International Conference on Recent Advances in Physical Sciences	International	Potential Use of <i>Hibiscus rosa - sinensis L</i> as Green Corrosion Inhibitor for Mild Steel Corrosion in 1M HCl at Holy Cross College, Trichy on 19 and 20 January 2024.
38.	2023-2024	International Conference on Recent Advances in Physical Sciences	International	Green Synthesis of Silver Nanoparticles Using the Aqueous Extract of <i>Pseuderanthemum Reticulatum</i> and its Antibacterial and Anti-Oxidant Activity at Holy Cross College, Trichy on 19 and 20 January 2024.
39.	2024-2025	International Conference on Recent Trends in Chemistry and Energy Science	International	Exploring Anticancer and Antioxidant Potential of Zinc and Copper Oxide Nanoparticles Synthesized with <i>Mukia maderaspatana</i> at Saraswathi Narayanan College, Perungudi, Madurai on 13 September 2024.

**Faculty Development Programmes attended: [Total number of FDP's attended: 19]**

S.No.	Name of the Course	Academic Staff College, University	Duration in Days	From – To (Mention Date here)
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1	FDP on “Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives” organized by CICRSD.	Holy Cross College (Autonomous) Trichy	7 days	4.07.2020 to 10.07.2020
2	FDP on Webinar Series III on organized by 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	Holy Cross College (Autonomous) Trichy	6 days	13.07.2020 to 18.07.2020
3	FDP on “Pedagogy and Research Methods”	Academy of Maritime Education and Training (AMET), Chennai	14 days	24.05.2021 to 06.06.2021
4	FDP on “Citation Styles & Reference lists”	Siva Sivani Institute of Management, Secundarabad, Telangana (in association with Mendeley	3 days	21.06.2021 to 23.06.2021
5	UGC stride component I and Holy Cross Incubation and Innovation council (HCIIC) - FDP on Transdisciplinary Research a way forward to Innovation and Entrepreneurship	Holy Cross College (Autonomous), Trichy	5 days	19.07.2021 to 23.07.2021
6	International FDP on Curriculum Development, Research And Publication Ethics	SRM Institute of Science and Technology, Ramapuram, Chennai	7 days	02.08.2021 to 09.08.2021
7	International FDP on Research Excellence and Academic Development	Sri Ramakrishna College of Arts and Science, Coimbatore	8 days	01.09.2021 to 08.09.2021
8	International FDP on Nanomaterials	St. Mary’s College, Thoothukudi	5 days	23.11.2021 to 27.11.2021
9	International FDP on Smart Materials for New Technology	St. Mary’s College, Thoothukudi	5 days	18.02.2022 to 23.02.2022
10	National FDP on Recent Advances in Chemistry	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi	7 days	30.03.2022 to 05.04.2022

11	National level FDP on 21st century development in inventions and innovations: A quality initiative in teaching and learning strategies	SRM Institute of Science and Technology, Ramapuram, Chennai	7 days	20.06.2022 to 27.06.2022
12	National level FDP on Advanced Pedagogical Techniques	Ramanujan College, University of Delhi	7 days	25.06.2022 to 01.07.2022
13	National level FDP on outcome-based education	JPM college of Arts and Science, Kerala	5 days	16.02.2022 to 22.02. 2023
14	National level FDP on MOOCs and e-Content Development	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi	6 days	29.04.23 to 05.05.23
15	National level FDP on Personality Development for Techers in HEI's	IOT Academy, Coimbatore.	7 days	26.06.23 to 04.07.23
16	International level FDP on Artificial Intelligence in Chemistry: Current Trends and Future Perspectives (AICCTFP-2023)	Holy Cross College, Trichy	5 days	04.09.23 to 09.09.23
17	National level FDP on Charging Ahead: Exploring Next-Generation Battery Technology	SRM Institute of Science and Technology, Ramapuram, Chennai	6 days	09.10.23 to 14.10.23
18	National level Faculty Development Programme on FDP - Recent Advancements in Chemistry (RRAC'24)	Easwari Engineering College, Ramapuram, Chennai	6 days	24.06.24 to 29.06.24
19	FDP on Outreach/Service Learning	All India Association for Higher Education (AIACHE) in collaboration with The American College, Madurai.	3 days	16.08.24 to 18.08.24

**Conference/Seminar/Workshop/ Training Programme participated:**  
**[Total number of programmes attended: 58]**

S.No.	Academic Year	Name of the Conferences / seminars / symposia / workshops	National / International	Details
1	2003-2004	Workshop on Medicinal Plants – Perspectives, Prospects and Challenges.	National	Gandhigram Rural University, Gandhigram on 20 <sup>th</sup> and 21 <sup>st</sup> December 2003.

2	2003-2004	Workshop on Modern Methods of Analytical Techniques in Chemistry Research	National	St. Joseph's College, Trichy in 2004
3	2012-2013	Workshop on Scanning Electron Microscope and X-Ray diffraction	National	Care Group of Institutions, Trichy on 28 <sup>th</sup> February and 1 <sup>st</sup> March 2013
4	2013-2014	Workshop on Recent Advances in Materials Chemistry	National	Anna University, Trichy 2014
5	2016-2017	International workshop on Chemical Biology	International	PRIST University Centre for Research and Development (CRD), Vallam, Thanjavur on 29 <sup>th</sup> December 2016
6	2019-2020	Workshop on Teaching from Home with IT Tools	National	SDAU MOOC Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar district, Banaskantha, Gujarat from 23.04.2020 – 01.05.2020
7	2019-2020	Online Certificate Course On Elemental Arts : Evolution Of Modern Periodic Table	National	SriKrishna College of Engineering And Technology, Coimbatore – 01.05.2020 To 02.05.2020
8	2019-2020	Online Lecture On A Virtual Visit To The Home Of Electrons	National	SRM Institute of Science And Technology, Chennai – 02.05.2020
9	2019-2020	Webinar on Challenges And Opportunities Before Indian Higher Education During Covid 19	National	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi – 02.05.2020
10	2019-2020	One Day Online Workshop On Enhancing Research Communication Skills Through Science Direct And Mendeley	National	Dayalbagh Educational Institute, Agra – 03.05.2020
11	2019-2020	How To Use Turnitin Software For Your Research	National	Guru Nanak Institute of Management Studies, Mumbai – 04.05.2020

12	2019-2020	Webinar on Corona Pandemic And Economic Challenges In India	National	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi – 04.05.2020
13	2019-2020	Webinar on Principle And Applications Of Electronic Spectroscopy	National	Annai College of Arts And Science, Kumbakonam – 1407.05.2020
14	2019-2020	Webinar on Crystallography And Its Applications	National	Er. Perumal Manimekalai College of Engineering , – 08.5.2020
15	2019-2020	Webinar on Life Skills Development	National	Idhaya College For Women, Kumbakonam – 11.05.2020
16	2019-2020	Webinar on Organic Reagents For Competitive Examinations	National	GTN Arts College, Dindigul – 12.05.2020
17	2019-2020	Webinar on Everything started with Nothing-Make a Start, organized by Institution Innovation Council(IIC)	National	Holy Cross College (Autonomous), Trichy on 13.05.2020
18	2019-2020	Online Workshop On Animations	National	Universal Teachers Academy, Cuddalore- 14.05.2020 To 18.05.2020
19	2019-2020	Webinar on Role Of Teachers In Teaching, Learning And Curriculum Enrichment With Modern Methodology	National	Maharashtra's Union Of Secular Teachers , Mumbai – 14.05.2020
20	2019-2020	Webinar on “A Systematic Approach Towards Molecular Docking And Drug Design”	National	SRM Institute Of Science And Technology, Chennai – 15.05.2020
21	2019-2020	NDLI Users Awareness Webinar	National	IIT Kargpur on 22.05.2020
22	2019-2020	Webinar on “Art of Writing Scientific Articles and Project Proposals”	National	Holy Cross College (Autonomous), Trichy on 22.05.2020
23	2019-2020	Webinar on Next Generation Sequencing Methodologies And Applications	National	Bhakthavatsalam College For Women, Chennai – 25.05.2020

24	2019-2020	Webinar on The Atomic And Molecular Basis Of Materials And Life Embodied	National	Sir Syed College, Kerala – 26.05.2020
25	2019-2020	Webinar on Molecular Docking In Rational Drug Design	National	Annai College Of Arts And Science, Kumbakonam – 26.05.2020
26	2019-2020	Webinar on “Healthy Immunity in Pandemic Situation” organized by CICRSD.	National	Holy Cross College (Autonomous), Trichy on 26.05.2020
27	2019-2020	Webinar Series on”Reimagining Research in the Era of Disruptions and Uncertainties” organized by the Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society, UGC, STRIDE COMPONENT 1	National	Holy Cross College (Autonomous), Trichy on 27.05.2020.
28	2019-2020	HCCares Webinar Series on the topic”HEALTHY PARENTING STYLES”	National	Holy Cross College (Autonomous), Trichy on 27.05.2020
29	2019-2020	Webinar on Materials And Technology For Sustainable Development	National	St. Joseph College, Trichy – 28.05.2020 To 29.05.2020
30	2019-2020	Webinar Series on “Andragogy of Online Teaching” organized by IQAC.	National	Holy Cross College (Autonomous), Trichy on 29.05.2020
31	2019-2020	Webinar Series on “Remote Classrooms-Digital Technology in Teaching Learning” organized by IQAC.	National	Holy Cross College (Autonomous), Trichy on 30.05.2020
32	2019-2020	Webinar on Peaceful Applications Of Radioisotopes	National	Dwaraka Doss College, Chennai – 30.05.2020
33	2019-2020	HCCares Webinar Series on the topic”Seed and Weed-Nurturing Relationships”	National	Holy Cross College (Autonomous), Trichy on 02.06.2020
34	2019-2020	Webinar on “Obesity and its role in Breast Cancer” organized by	National	Holy Cross College (Autonomous), Trichy on 06.06.2020



		CICRSD, Holy Cross College(Autonomous), Trichy		
35	2019-2020	Webinar on Fundamentals Of Nuclear Chemistry	National	SRM Institute Of Science And Technology, Chennai – 08.06.2020
36	2019-2020	Webinar on Intuition And Conceptual Thinking In Chemistry – A Gist On Werner’s Work	National	SRM Institute Of Science And Technology, Chennai – 09.06.2020
37	2019-2020	Webinar on “Discover Your values:COVID-19” organized by the Department of Value Education.	National	Holy Cross College (Autonomous), Trichy on 10.06.2020
38	2019-2020	Webinar Series II on”STRIDE Tutorial on Transdisciplinary Research” organized by the Center for Research and Development, Capacity Building of Young Talent in Transdisciplinary Research for a Sustainable Development of Society, UGC, STRIDE COMPONENT 1,	National	Holy Cross College (Autonomous), Trichy on 11.06.2020
39	2019-2020	Webinar Series on “Risk Management in Times of Crisis” organized by IQAC,Holy Cross College(Autonomous), Trichy	National	Holy Cross College (Autonomous), Trichy on 12.06.2020
40	2019-2020	Webinar on Evaluation With Fun - KAHOOT	National	Indra Ganesan College Of Nursing And College Of Pharmacy , Trichy – 17.06.2020
41	2019-2020	Webinar on “ Combat the Pandemic Stress through Yoga”	National	Holy Cross College (Autonomous), Trichy on 21.06.2020
42	2020-2021	Workshop on Introduction To Android App, Creation Of Simple Android Apps And Uploading The Apps In Play Store.	National	Universal Teachers Academy, Puducherry- 16.07.2020 To 20.07.2020
43	2020-2021	Workshop on “ Advance Teaching, Learning, Research Methodology and Innovations”	National	St. Francis De Sales College, Nagpur, Maharashtra, June 01-05, 2021.

44	2020-2021	International Online FDP on “Virtual Practices and Security”	National	Tamil Nadu Teachers Education University and Dr. MGR Educational and Research Institute, Chennai, June 7 – 13, 2021.
45	2020-2021	International Workshop on “Interactive E-Assessment Tools”	National	Universal Teachers Academy, Puducherry, June 14-18, 2021.
46	2021-2022	National Webinar on The importance of Data Visualizations	National	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi on 10 August, 2021.
47	2021-2022	Webinar on Building impactful career in Chemistry	National	Holy Cross College ( Autonomous), Trichy – 620 002 during 11 August,2021.
48	2021-2022	International Conference & Symposium: Indian and Global Opportunities in the Sciences and Humanities: A Critical Discourse	National	St. Francis De Sales College, Nagpur, Maharashtra, September 06-09, 2021.
49	2021-2022	National Webinar On Teacher’s E-Kit: A Four Quadrant Approach for Development of OERs for Higher Education	National	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi on 9 September, 2021.
50	2021-2022	CSIR sponsored National level Seminar on Photocatalysis – Past, Present and Future.	National	Kongunadu College of Engineering and Technology, Trichy during 21-22 October, 2021.
51	2021-2022	National Webinar on Mechanics of Scholarly Writing	National	St. Joseph University, Nagaland on 20 November 2021
52	2021-2022	Webinar on Research writing and journal selection Powered by Scopus	National	Holy Cross College, Trichy during 28 February 2022
53	2021-2022	International Webinar on Empowering knowledge on ethical publishing: Mastering the art of identifying predatory, fake and cloned journals powered by Scopus	National	Researcher Academy on Campus, Elsevier on 8 June 2022

54	2021-2022	National Webinar on “Experiential Learning as Envisaged in NEP-2020	National	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi on 19 June 2022
55	2022-2023	India UK International Webinar on entitled “Future of Teaching-Learning	National	Guru Angad Dev Teaching Learning Centre of MHRD, New Delhi on 29 November 2022
56	2022-2023	Training on Intellectual Property - National Intellectual Property Awareness Mission	National	Intellectual Property Office on 23.01.2023
57	2023-2024	Empowering Educators – Navigating Students Mental Health	National	Universal Teachers Academy, Puducherry on 15.10.2023.
58	2023-2024	National Conference on “The Evolving Landscape: Exploring Possibilities and Challenges for the girl child in a Dynamic World”	National	Holy Cross College, Trichy on 24.01.2024.

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I hereby declare that the above information is true to the best of my knowledge.

**Yours truly,**

*M. Stella Bharathy*