

RESUME



Name : Mrs. H.ASIA THABASSOOM

Date of birth : 14.04.1991

Designation : Assistant Professor

Official Address : PG & Research Department of Chemistry,
Jamal Mohamed College (Autonomous)
Affiliated to Bharathidasan University
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Educational Qualification:

Examinations Passed	College	University	Subject	Year	Grade
Ph. D	Holy Cross College	Bharathidasan University	Chemistry	2018-2022	Thesis Submitted
M.Sc	Jamal Mohamed College	Bharathidasan University	Chemistry	2011-2013	Distinction (D+)
B. Sc	Holy Cross College	Bharathidasan University	Chemistry	2008-2011	Distinction (D+)

Teaching Experience:

- ✓ Working as an Assistant professor in Department of Chemistry in Jamal Mohamed College, Trichy from 12.06.2023.
- ✓ Worked as a Chemistry Teacher in St. Philomena's Girls Higher Secondary School, Trichy from Dec 2013 to Jan 2014.

Areas of Specialization: Physical Chemistry, Corrosion Science, Nanochemistry

Languages Known: English, Tamil, Hindi and Urdu

Subject Taught : UG – Inorganic Chemistry, Nanochemistry, Physical Chemistry
PG – Medicinal Chemistry

Research Contributions:

- ✓ Orcid Id: <https://orcid.org/0000-0002-3628-3116>
- ✓ Google Scholar: <https://scholar.google.com/citations?hl=en&user=4j7L554AAAAJ>
- ✓ Research Gate ID: <https://www.researchgate.net/profile/HasiaThabassoom>

Awards Received:

- ✓ Secured University Thirteenth Rank in M. Sc Chemistry.
- ✓ Indian Academy and environmental growth foundation presented in Jan 2023 awarded as **Excellent Research Award.**

Patents Awarded/ Filed:

- ✓ Published an Indian Patent Titled “**A Formulation for Facilitating Depositing of Amalgamations onto a backbone**” on 06.05.2023. Ref.No: 1/43947/2023-CHE
- ✓ Published an Indian Patent Titled “**A Formulation for Facilitating Depositing of Amalgamations onto a backbone**” on 06.05.2023. Ref.No: 1/43959/2023-CHE
- ✓ Published an Indian Patent Titled “**A Formulation for Facilitating Depositing of Amalgamations onto a backbone**” on 06.05.2023. Ref.No: 1/43965/2023-CHE

Project Details:

- ✓ **Ph. D:** Electroless Deposition on mild steel using Lawsone isolated from Lawsonia inermis Linn. and its Corrosion behavior under the guidance of Dr. J. Felicita Florence, Assistant Professor, PG& Research Department of Chemistry, Holy Cross College, Trichy.
- ✓ **M.Sc:** Synthesis, Structural characterization and antimicrobial study of the Mannich base N-{9H-Carbazol-9-Yl-(Phenyl) Methyl} Benz amide under the guidance of Ms. Sajena, Assistant Professor, PG & Research Department of Chemistry, Jamal Mohamed College, Trichy.
- ✓ **B. Sc:** Characterization and Anti corrosive inhibitive property of the herb Phyllanthus niruri Under the guidance of Dr. Mrs. Noreen Antony, Associate Professor, PG& Research Department of Chemistry, Holy Cross College, Trichy.

Publications:

- ✓ **H. Asia Thabassoom**, F. Femina, J. Felicita Florence, R. Kanmani, J. Amala Infant Joice, A Study on the effect of Lawsone as complexing agent in the electroless Zn-P deposition, Oriental Journal of Chemistry, Vol :38, No :2 ,2022, Pg. 388-398.
- ✓ **H. Asia Thabassoom**, J. Felicita Florence, A Study on the effect of Lawsone isolated from Lawsonia inermis Linn Leaf extract Ni-W-P alloy electroless deposition, Research Journal of Chemistry and Environment, Vol: 26(9), 2022, Pg. 90-101.
- ✓ **H. Asia Thabassoom** and J. Felicita Florence, Electroless Nickel deposition on mild steel using Lawsone isolated from *Lawsonia inermis Linn leaf*, International journal of analytical and experimental modal analysis, Vol. XIII, March 2020.
- ✓ J. Felicita Florence, M. Lavanya, J. Amala infant joice, **H. Asia Thabassoom** and R. Kanmani, Nanocrystalline Nickel Electro deposition on Carbon steel using ecofriendly Aqueous *Ananas Cosmus Juice*, Asian Journal of chemistry, Vol.31, No.11, September 2019.
- ✓ F. Femina, **H. Asia Thabassoom**, J. Felicita Florence, Photo catalytic reduction of Methyl orange, Anti-bacterial and Anti breast cancer activities of Biogenic silver Nano particle Synthesized from *Beta Vulgaris* Extract, Asian Journal of chemistry, Vol.33, No.12, December 2021.
- ✓ F. Femina, **H. Asia Thabassoom**, S. Auxilia Ruby and J. Felicita Florence, Bio Synthesis of Beta Vulgaris Mediated ZnO Nanoparticles and Their Anti-Bacterial, Anti-Fungal, Anti-Diabetic and Anti-Cancer Activities, Oriental journal of Chemistry, Vol.37, No.4, July 2021.
- ✓ **H. Asia Thabassoom**, J. Felicita Florence, Electroless Ni-W-P Alloy Deposition on Mild steel using Lawsone as Complexing Agent Oriental Journal of Chemistry, Vol :38, No:6, 2022, Pg.1489-1497.

Paper Presented:

- ✓ Nanocrystalline Nickel electro deposition on carbon steel using Eco friendly Aqueous Ananas Cosmus juice on “International conference on innovation Research and networking in higher education for a sustainable society; Challenges & Channels” organized by Holy Cross College, Tiruchirappalli, Tamil Nadu on 25 to 27th July 2018.
- ✓ Photo catalytic reduction of Methyl orange, antibacterial activity of biogenic nickel nanoparticles from beta Vulgaris extract in the International virtual Conference on Futuristic Aspects of sensors & Biosensors (IVCFASB-2022) organized by PG & Research Department of Chemistry, Holy Cross College, Tiruchirappalli, Tamil Nadu

on 3 and 4th March 2022.

- ✓ A Study on the effect of Lawsonia inermis Linn Leaf extract Ni-W-P alloy electroless deposition on National level Virtual Conference on emerging trends in Chemical Sciences organized by Department of chemistry, Karpagam Academy of Higher Education, Coimbatore on 25 & 26th March 2022.
- ✓ A Study on the effect of Lawsone as Complexing Agent in the Electroless Zn-P deposition on 7th International Conference on innovation in Chemical & Environmental Research (ICICER-2022) organized by PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu on 25th May 2022.
- ✓ Electroless deposition of Ni-W-P alloy on Mild steel using Lawsone as Complexing Agent on International Conference on Material Science For Sustainable Environments (ICMSSE-2022) organized by PG& Research Department of Chemistry, Holy Cross College, Tiruchirappalli, Tamil Nadu on 23&24th August 2022.
- ✓ Comparative Study on Adsorption Capacity in dyes by various green synthesized Nanoparticles on 7th International Conference on innovation in chemical & environmental Research (ICICER-2022) organized by PG & Research Department of chemistry, Jamal Mohamed College, Tiruchirappalli, Tamil Nadu on 25th May 2022.

Conferences/ Seminars Attended:

- ✓ International conference on innovation Research and networking in higher education for a sustainable society; Challenges & Channels organized by Holy Cross College, Tiruchirappalli, Tamil Nadu on 25 to 27th July 2018.
- ✓ National conference on Nano National Summit- Current trends and Future Perspectives organized by Holy Cross College, Tiruchirappalli, Tamil Nadu on 9 to 10th July 2019.
- ✓ National conference on Advanced Materials in Chemistry –NCAMC 2018 organized by St. Joseph's College (Autonomous), Trichy on 8th February 2018.
- ✓ International Virtual Conferences on Futuristic Aspects of Sensors & Biosensors (IVCFASB) organized by Holy Cross College, Tiruchirappalli, Tamil Nadu on 3rd & 4th March 2022.
- ✓ International Virtual Conference on “Innovative Research in Chemical Sciences (IRCS-2020)” organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89 during 29th and 30th June, 2020.
- ✓ International Conference on Material Science for Sustainable Environments (ICMSSE-2022) organized by PG& Research Department of Chemistry, Holy Cross College,

Tiruchirappalli, Tamil Nadu on 23&24th August 2022.

Workshop Attended:

- ✓ DST & ACS Workshop organized by Bharathidasan University, Trichy, 9th December 2019.
- ✓ UGC-Sponsored Three Day workshop for scholars on Information Technology Organized by UGC-Human Resource development Centre, Bharathidasan University from 12th to 14th February 2018.
- ✓ Analytical Techniques for Research in Physics, Chemistry and Life sciences (ATRPCL-2018) on 9th March 2018.
- ✓ Analytical Techniques organized by American College Central Instrumentation Centre, American College, Madurai, 9th July 2020.
- ✓ Online Workshop on Nuances in Computational Chemistry organized by PG & Research department of Chemistry, Dwaraka Doss Goverdhan Vaishnav College, Chennai, From 2nd to 5th July 2020.
- ✓ Online Courses in Chromatography jointly organized by DIPAM foundation & Sheth M.N Science College, Patna between 7th to 16th May 2020.
- ✓ National Online Workshop Computational Chemistry –A Leeway to Theoretical Chemistry organized by the PG & Research Department of Chemistry, PGSR Krishnammal College for Women, Coimbatore in Collaboration with D.G. Vaishnav College, Arubakkam, Chennai from 27th to 29th July 2020.
- ✓ 2nd Three days online Workshop on Scientific Writing by the College of Fisheries Engineering, Nagapattinam from 24th to 26th July 2023.

FDP, Quiz & Scientist Meet attended:

- ✓ Five days National level online Faculty development / Certificate Program from 27th to 01st October 2021 organized by PG & Research department of Chemistry, Holy Cross College, Tiruchirappalli, Tamil Nadu.
- ✓ International Scientist meets on Computational chemistry & Biophysical chemistry held on 21st December 2020 organized by PG & Research department of Chemistry, Holy Cross College, Tiruchirappalli, and TamilNadu.
- ✓ Media Quiz 2020 organized by PG and Research Department of Visual Communication which was held on 30th and 1st June 2020.
- ✓ National Level Online Faculty Development Program on Chemistry is an era of change

held from 13th to 16th July 2020 organized by Department of Chemistry, Ramakrishna College of engineering, Samayapuram, Trichy.

- ✓ A Five-Day National Level Faculty Development Programme on “Recent innovations in Technical Research & Teaching” from 1st to 5th August 2023 organized by Department of Computer Science, Bon Secours Arts and Science College for women, Dindigul.
- ✓ A Five-Day Faculty Development Programme organized by Internal Quality Assurance Cell from 05th to 09th June 2023 organized by Jamal Mohamed College, Trichy.
- ✓ Five Days International Level Online Faculty Development Program on “Artificial Intelligence in Chemistry: Current Trends and Future Perspectives” from 4th to 9th September 2023 organized by School of Physical Sciences, PG& Research Department of Chemistry, Holy Cross College, Trichy.

Webinars Attended:

- ✓ International Webinar on Hyphenated Techniques in Detection of Smart Materials organized by Department of chemistry & Internal Quality Assurance Cell of D.P Bhosale College, Koregaon, Satara (MS), India in Collaboration with University of Berlin Germany on 11th July 2020.
- ✓ Three Day National Webinar on Chemistry in Circular Economy & Sustainability (CHEMinar-2020) from 29th to 31th July organized by Department of Chemistry, Madurai Kamaraj University, Madurai.
- ✓ National Level Webinar on Teaching with Technology held on 30th May 2020 jointly organized by the IQAC of Bhavan's Hazrimal Somani College of Arts and Sciences & Jayaramdas Patel College of Commerce & Management studies and Maharashtra College of Arts, Science and Commerce.
- ✓ Webinar on “Venturing Hackathons” by Mr. Yassin Xaviour, Software Developer & project Manager, Winner- Smart Hackathon, NEC Idea Challenge, Tamil Nadu student Innovators held on 15th June 2020 organized by Holy Cross College, Tiruchirappalli, and Tamil Nadu.
- ✓ Webinar series –I on the topic being a Smart Researcher held on 17th & 18th 2020, the Department of Social Work, Holy Cross College (Autonomous), Trichy.
- ✓ National Webinar entitled Research Publication: Skills, Ethics & Misconducts organized by Department of Chemistry, Kumara guru College of technology, Coimbatore held on 15th May 2020.

- ✓ Empowering Youth towards Sustainable Development of Environment –The role of Educational Institutions organized by Nature Club on July 4, 2020 KLE society Science & Commerce College, Kalamboli, Navy Mumbai, India.
- ✓ National Level Webinar on Intellectual property of rights organized by IQAC, Maharashtra College of Arts, Science & Commerce on 26th June 2020.
- ✓ Webinar entitled Sustainable Synthesis of Metal and Metal oxide Nanoparticles and their environmental remediation applications on 21th July 2020.
- ✓ Webinar on Experts Online organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89, in association with Association of Chemistry Teachers (ACT), Mumbai on 19th July, 2020.
- ✓ “International Webinar on Women in Science” organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai-89 in association with Association of Chemistry Teachers (ACT), Mumbai, on 28th July, 2020.
- ✓ 2nd Two Days National Webinar on Intellectual Property: Patentability, Process, and Commercial aspects organized by College of Fisheries Engineering, Nagapattinam from 27th to 28th July 2023.

Refresher Course:

- ✓ Electroplating and Anodizing Principles and Practices [EMFT-1], organized by CSIR-Central Electrochemical Research institute, Karaikudi, from 27th to 1st December, 2017.
- ✓ Electroplating and Metal Finishing techniques organized by CSIR-Central Electrochemical Research institute, Karaikudi, from 8th to 12th February, 2021.
- ✓ Refresher Course on Selective Topics in Organic Chemistry Phase – IV” organized by Department of Chemistry, Sathya bama Institute of Science and Technology, Chennai on 2nd August, 2023 to 19th August, 2023.

Strengths and Skills:

- ✓ Effective Listening and Creative thinking
- ✓ Team work and Good Time Keeper
- ✓ Good communication skills and Problem solving
- ✓ Creating a Positive Learning Environment
- ✓ Self-Motivated, hardworking, Adaptive person

Personal Details:

- ✓ Father Name: M. Habit Hussain
- ✓ Spouse Name: A. Shahbir Hussain
- ✓ Marital Status: Married
- ✓ Nationality: Indian
- ✓ Religion: Islam

Declaration:

I acknowledge that the information provided above is true and correct to the best of my ability and faith.

H. Asia Thabassoom