



Dr. S.Jhancy Mary M.Sc., M.Phil., Ph.D. currently serves as an Associate Professor & Head, Department of Chemistry, Auxilium College (Autonomous), Vellore. She has 37 years of teaching experience. She completed her Ph.D in the year 2009 from the University of Madras. The title of her thesis is “Synthesis and Studies on Electroactive Substituted Polyaniline Blends’. Her research interests include Conducting Polymers, Substituted polyanilines, their nano blends and nano composites for applications in Electronics, Lithium ion Batteries and Bio Sensors. Five students have been awarded Ph.D. degrees under her guidance and one student has submitted her thesis. She has published 29 research papers. She has organized 2 International, 6 National conferences in Chemistry and 2 National seminars in Quality Assessment as IQAC Member, One RUSAC intercollegiate programme per academic year and 5 Madame Marie Curie Endowment lectures and many State level Programmes

1. Name: Dr.S.Jhancy Mary
2. Designation: Associate Professor & Head
3. Qualification: M.Sc., M.Phil., Ph.D.
4. Mobile number: 9487321200
5. E-mail id: jmarys@auxiliumcollege.edu.in; jhancy2011@gmail.com
6. Teaching Experience: 37 years
7. Area of specialization: Physical Chemistry/Conducting Polymers
8. Positions Held in Auxilium
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- Secretary of RUSAC (Rural Society for the Advancement of Chemistry) for two terms from 1996-1999.
- Member of the Cultural Committee for the Golden Jubilee celebration of Auxilium College in the academic year 2003-2004.
- Member of NAAC steering committee in Auxilium College during the first and second accreditation process.
- Dean of Sciences for six years.
- Had been a Member of Board of Studies in Thiruvalluvar University, CAH College, Melvisharam, MG Arts College, Vellore and Islamiah College, Vaniyambadi and Sacred Heart College, Tirupathur.
- Reviewer in four International Journals.
- Member of Institution Industry Cell from 2022-23.

9. Research Experience and Guidance: 14 years, Guided 10 M.Phil. students and 6 Ph.D. Students.

10. Projects Completed / Ongoing: Completed one UGC funded Project as a Co – Investigator.

11. No. of Papers Published: 29

12. No.of Papers Presented in the National/International/Seminars/Workshops/Conferences: 5

13. No. of Seminars/Workshops/Conferences organized: 11 International and National Seminars and one Intercollegiate RUSAC Programme per year.

14. No. of Books Published/Edited/Co-edited: Edited a Monograph in IQAC, edited the Proceedings of National and International Conferences/Seminars organized by the Department of Chemistry and prepared the Dept.Lab Manual.

15. Membership in professional bodies: NIL

16. Other bodies: RUSAC

17. Honours & awards received: Nil

18. No. of Online Courses completed (Minimum of 4 Weeks): Nil

19. Any Other:

- Resource person in the Chemistry Association meetings at DKM College, AAA College, Walajapet and KMG College, Gudiyatham.
- Resource person in the Student Induction Programme at Auxilium College in 2022 and 2023.
- Resource person in the UGC sponsored one day National Seminar on Curriculum Development in Higher Education at C.Abdul Hakeem College, Melvisharam on 26.02.2015.
- Resource person in the National Level Workshop on English for Entrepreneurs & Environment and Human Health at Global College of Arts and Science, Vellore on 22nd January 2019.
- Had been a member of the Inspection Commission for approval of new courses in colleges affiliated to Thiruvalluvar University.
- Had been an Academic Audit Expert at Sacred Heart College, Tirupathur on 10th January 2020 and at Voorhees College on 23rd March 2021.
- Started and implemented the Solid Waste Management in Auxilium College.
- Presented a Paper in the International Conference on Global Environment and its Sustainability: Implications and Strategies at Ambassador Standard, Bangkok, Thailand Organized by Indian Society for Education and Environment on 25th-29th November 2010.

PUBLICATIONS

1. D.Jayakumar, **S. Jhancy Mary** and R. Jaya Santhi, Evaluation of antioxidant potential and antibacterial activity of *Calotropis gigantea* and *Vinca rosea* using in vitro model, Indian Journal of Science and Technology, ISSN 0974-6846, 2010, Vol.3, Issue 6, pp – 720-724.
2. D.Jayakumar, S. Jhancy Mary and R. Jaya Santhi, Antioxidant and antimicrobial activities of *Wedelia trilobata* and *Morinda pubescens*, Asian Journal of Chemistry, ISSN 0970-7077, 2011, Vol.23, Issue 1, pp 305-308.

3. Dr. Jhancy Mary and Porselvi L, Synthesis and studies on electroactive Poly (3-chloroaniline), Poly(3-chloro aniline)-Blend-Poly ethylene glycol and poly(3-chloro aniline)-Blend-Poly(vinyl alcohol), Asian Journal of Chemistry, ISSN 0970-7077 , 2014, Vol 26, Issue 3, pp783-789.
4. Dr. S.Jhancy Mary and Porselvi L., Synthesis, Characterisation and electrical conductivity of poly(2-chloroaniline)/MMT and poly(2-chloroaniline)/Na-Bentonite Nano composites in the presence of surfactants, International Journal of Scientific and Technology Research, ISSN 2277-8616, 2014, Vol. 3, Issue 2, pp 69-75.
5. Dr. S.Jhancy Mary and Porselvi Linganathan, Synthesis, Characterization, and Photoconductivity Studies on Poly(2-chloroaniline) and Poly(2-chloroaniline)/CuO Nanocomposites, Hindawi Publishing Corporation Journal of Composites, Volume 2014, Article ID 838975.
6. Dr. S.Jhancy Mary and Porselvi Linganathan, Effect of Dodecyl benzene sulphonic acid on the Electrical Conductivity Behaviour of Poly(2-chloroaniline) and Poly(2-chloroaniline)/Silk Blends, American Journal of Polymer Science, ISSN 2163-1344, 2014, Vol. 4, Issue 4, 2014, pp 107-116.
7. S.Jhancy Mary , G.Devi and Porselvi L, DC –AC conductivity behaviors of poly(2-methoxyaniline-co-2-chloro aniline) and poly(2-methoxyaniline-co-2-chloro aniline)-composite-clay, Journal of Applied Chemical Science International, ISSN 2395-3705, 2016, Vol.6, Issue 3, pp 119-131.
8. L. Jose Kathrin and S.Jhancy Mary, Synthesis, Characterization and Applications of Poly(2-Methyl Aniline-co-2-Chloro Aniline) and Poly(2-Methyl Aniline-co-2-Chloro Aniline)-Nanocomposite-CuO, Journal of Modern Chemistry and Chemical Technology, ISSN 2229-6999 , December 2016, Vol.7, Issue 3, pp 35-45.
9. L. Jose Kathrin and S.Jhancy Mary, Electrical conductivity and anti bacterial studies on chemically synthesized Poly(2-Methyl Aniline-co-2-Chloro Aniline)-Blend -Polyurethane, Journal of Polymer and Composites, ISSN 2321–2810 , 2017, Vol. 5, Issue 1, pp 1-8.

10. P.Lakshmi and S.Jhancy Mary, A comparative study on the electrical and thermal properties of the chemically synthesized copolymer, poly(2-methoxyaniline-co-2-chloroaniline) and its nanocomposite, poly(2-methoxyaniline-co-2-chloroaniline) – composite- Fe₂O₃, Journal of Pharmacy, ISSN: 2250-3013, (p)-ISSN: 2319-4219, 2017, pp 17-23. (*National Conference on Emerging Trends & Future Challenges in Chemical Sciences 21 | Page P.G & Research Department of Chemistry, Shanmuga Industries Arts and Science College, Tiruvannamalai.606 601*).
11. P.Lakshmi and S.Jhancy Mary, Chemical synthesis, characterization and electrical conductivity behaviour of poly(2-chloro aniline- co- 2 –methoxy aniline) - blend- sodium alginate, Journal of Applied Chemical Science International, ISSN 2395-3705, 2018, Vol. 9, Issue 2, pp 115-121.
12. P.Lakshmi and S.Jhancy Mary, Chemical synthesis, spectral characterization and electrical conductivity behavior of poly(2-methoxyaniline-co-2-chloroaniline) and its CuO nanocomposite and polypropylene glycol blend, Journal of Polymer and Composites,ISSN 2321–2810, 2018, Vol. 6, Issue 3, pp 1-14.
13. G.Vani and S.Jhancy Mary, Synthesis and Characterization of Poly(2-Chloroaniline), Its Starch and Silk Blends and Applications In Lithium ion Batteries, Materials Today: Proceedings, ISSN 2214-7853, 2019, Vol.8, pp 176–181.
14. G.Vani and S.Jhancy Mary, Interfacial Polymerization and Characterization of Poly (2-Chloroaniline)-NiFe₂O₄ Nanocomposite, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272, 2019, Vol. 9, Issue 2, pp 123-128.
15. P.Lakshmi and S.Jhancy Mary, Synthesis,characterization and electrical conductivity studies on Poly(2-chloro-co-2-methoxyaniline)-composite-Na Bentonite Clay, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272, 2019, Vol. 9, Issue 2, pp 208- 215.
16. R.Suganthi and S.Jhancy Mary, Thermal and electrical transport properties of o-substituted polyanilines encapsulated with SiO₂ nano particles, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272 , 2019, Vol. 9, Issue 2, pp 216- 225.
17. R.Suganthi and S.Jhancy Mary, Thermal and electrical transport properties of o-substituted polyanilines encapsulated with CuO nano particles, Asian Journal of Chemistry, ISSN 0970-7077 , 2019, Vol. 3, Issue10, pp 2261-2268.

18. Julia Sebastian and Dr. S. Jhancy Mary, Recent Advances in the applications of substituted Polyanilines and their blends and composites, Polymer Bulletin, ISSN 0170-0839, 2019, Vol.77, Issue 12, pp 6641-6669.
19. R.Suganthi and S.Jhancy Mary, Magnetic, Thermal and electrical transport properties of o-substituted polyanilines encapsulated with Fe₂O₃ nano particles, Asian Journal of Chemistry, ISSN 0970-7077, 2020, Vol.32, Issue 2, pp 265-270.
20. P.Lakshmi and S.Jhancy Mary, Adsorption of Congo red dye using poly(2-chloroaniline-co-2-methoxyaniline), Journal of Water Pollution and Purification Research, ISSN 2394-7306, 2019, Vol. 6, Issue 3, pp 9-18.
21. S. Padmaja & Jhancy Mary Samuel, Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline)-composite-Zn as an anodic material in Li-ion batteries, Polymer Bulletin, ISSN 0170-0839, 2021, Vol.9, pp5119-5135.
22. S. Padmaja & Jhancy Mary Samuel, Chemically copolymerized poly(2-chloroaniline-co-2-ethylaniline) as an anodic material in Li-ion batteries, Polymer Bulletin, ISSN 0170-0839, 2021, Vol.78, Issue 12, pp 7129-7146.
23. P.Lakshmi, G.Vani, Julia Sebastian and S. Jhancy Mary, Synthesis, characterization and electrical conductivity studies on Poly(2-chloroaniline-co-2-methoxyaniline)-Fe₂O₃ nano composites with varying weight percentages of Fe₂O₃, International Journal of Pharmacy and Biological Sciences, ISSN 2321-3272 , 2021, Vol.11, Issue 1, pp 210-216.
24. G.Vani and Jhancy Mary, Prospect of poly(2-chloroaniline)-nanocomposite-silica as anode in Li ion coin cell, Asian Journal of Chemistry, ISSN 0970-7077, 2021, Vol. 33, Issue 11, pp 2700-2706.
25. Julia Sebastian and Jhancy Mary, Structural, Thermal, and Electrochemical behaviour of poly(2-ethylaniline)-nanocomposite-Fe₂O₃ and poly(2-ethylaniline)-nanocomposite-SiO₂ for antibacterial and anti oxidant studies, Polymer Science Series B, ISSN 1560-0904, 2022, Vol. 64, pp 340–353.
26. G.Vani and S.Jhancy Mary, Interfacially polymerized and characterized poly(3-chloroaniline) and poly(3-chloroaniline)-nanocomposite NiFe₂O₄ for antimicrobial studies, Materials Today Proceedings, ISSN 2214-7853, 2022, Vol. 65, pp 42-50.

27. Julia Sebastian and Jhancy Mary, Anticancer potential of poly(2-aminobenzoic acid)-blend-Aloe vera against the human breast cancer cell line MDA-MB-231, Journal of Bioactive and Compatible Polymers, ISSN 0883-9115 , 2023, Vol.38, Issue 1, pp 58-73.
 28. Julia Sebastian and S.Jhancy Mary, Prospect of electroactive poly(2-aminobenzoic acid) and poly(2-aminobenzoic acid)-nanocomposite –Fe₂O₃ as antibacterial agents and antioxidants, Polymer Bulletin, ISSN 0170-0839, May 2023, published online.
 29. Julia Sebastian, Jhancy Mary Samuel, Miriam Daniel, Bernaurdshaw Neppolian, Electroactive modified poly(2-aminobenzoic acid)-blend –aloe vera/GCE as an efficient dopamine sensor, Journal of Polymer Research, ISSN 1572-8935, September 2023, published online.
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CONFERENCES AND WORKSHOPS

1. Workshop on Computer Applications in Chemistry organized by the Dept.of Chemistry, PSGR Krishnammal College for Women, Coimbatore on 4th and 5th October 2001.
2. National Symposium on Current Trends in Material Science organized by the Dept.of Chemistry, Auxilium College on 5th and 6th February 2003.
3. National Seminar on Spectroscopy organized by the Dept.of Chemistry, St.Joseph College, Irinjalakuda on 7th and 8th October 2004.
4. National Conference on Safe Environment for the Future Generations organized by the Dept.of Zoology, at Auxilium College on 1st and 2nd September 2005.
5. International Conference on Recent Advancements in Chemistry organized by the Dept.of Chemistry, Auxilium College on 5th and 6th January 2006.
6. National Seminar on New Frontiers in Exam Reforms at St.Francis College for Women, Hyderabad on 17th and 18th November 2006.
7. National Seminar on Innovative Strategies for Internal Quality Assessment organized by IQAC at Auxilium College on 24th and 25th November 2006.
8. International Seminar on Delearn to Relearn- Redefining the Architecture of Education organized by Knowledge Exchange on 12th May 2007.
9. National Conference on Women and American Studies-Concerns, Conditions and Contributions organized by the Dept. of English at Auxilium College on 6th -8th September 2007.

10. National Seminar on Redefining Human Rights towards a New Socio Religious Interface organized by IQAC at Auxilium College on 12th -13th December 2007.
11. International Seminar on Delearn to Relearn- Innovative Teaching Methods organized by Knowledge Exchange on 19th July 2008.
12. International Conference on Frontiers in Chemical Sciences organized by the Dept.of Chemistry, MCC, Chennai on 2nd -4th October 2008.
13. State Level Workshop on Climate Change and Global Warming at Auxilium College on 10th December 2008.
14. National Seminar on New Frontiers in Chemistry organized by the Dept.of Chemistry, Auxilium College on 8th and 9th January 2009.
15. Pre –Conference Workshop –Indian Herbal Conference -2010, Chennai at Cholayil Medicinal Plants Conservation Park, Velagapuram Village, Chennai on 12th February 2010.
16. State Level RUSAC Seminar on Save the Earth organized by the Dept.of Chemistry, Auxilium College on 28th August 2010.
17. International Conference on Global Environment and its Sustainability: Implications and Strategies at Ambassador Standard, Bangkok, Thailand organized by Indian Society for Education and Environment on 25th-29th November 2010.
18. State Level Seminar on Effective Evaluation-Practices and Perspectives at Auxilium College on 17th September 2011.
19. Lecture Workshop on Products from Natural Resources: Prospecting and Utilization at the School of BioSciences and Technology, VIT University, Vellore on 27-29 July 2011.
20. State level Seminar on Emerging Trends in Chemistry at Muthurangam Govt.Arts College,Vellore on 3rd December 2011.
21. National Seminar on Enhancement of Quality in Research Publications and Recent Research in Water, Alternative Energy Resources, Materials and Health organized by the Dept.of Chemistry, Auxilium College on 15th and 16th December 2011.
22. Workshop on Microscale Experiments in Chemistry organized by the Dept.of Chemistry, Auxilium College on 15th September 2012.
23. State Level Seminar on Recent Trends in the Field of Chemistry organized by the Dept.of Chemistry, DKM College, Vellore on 22nd September 2012.
24. One Day Seminar on Empowerment of Students in Chemistry organized by the Dept.of Chemistry, Don Bosco College of Arts and Science, Dharmapuri on 9th February 2013.
25. State Level Conference on Reforming and Rejuvenating the Higher Education organized by FICCI and Tamil Nadu State Council on 29th November 2016.
26. National Conference on Current Political and Economic Situation in India and Its Impact on Higher Education organized by the Xavier Board of Higher Education In India on 9th and 10th September 2017.
27. National Seminar on Recent Trends in Chemical Sciences organized by the Dept. of Chemistry, Auxilium College on 19th January 2018.

28. National Level Workshop on English for Entrepreneurs & Environment and Human Health at Global College of Arts and Science, Vellore on 22nd January 2019.
29. National Webinar on Doing Science with Roots Intact organized by the Dept.of Chemistry and IQAC, St.Thomas College, Thrissur, Kerala.
30. National level Webinar on Molecular Visualization Series on Learning Chemistry through ODYSSEY and SPARTAN organized by Neotel System & Services, Chandigarh on 9th May 2020.
31. Webinar on Curriculum frame and Evaluative reforms as per UGC guidelines 2020 organized by Auxilium College on 21st May 2020.
32. International webinar on Outcome Based Education-Challenges and Opportunities organized by IQAC, Kuriakose Elias College, Mannanam on 21st May 2020.
33. Webinar on NAAC Accreditation for Autonomous /Affiliated Colleges organized by St.Thomas College, Tirussur on 22nd May 2020.
34. Two day Faculty Development Programme on Online teaching and E-content organized by IIDE in collaboration with St. Xavier's College, Mumbai, DY Patil College of Engg.Tech and Lala Lajpatral College on 3rd and 4th June 2020.
35. Two Day International webinar on Advanced Functional Materials for Bio medical and Energy organized by the Department of Chemistry, Loyola College, Chennai on 24-25, June 2020.
36. Three Day International Webinar on Emerging Trends in Energy and Environmental Chemistry organized by Marudhar Kesari Jain College for Women and Thiruvalluvar University, Serkadu on 24-25, June 2020.
37. International webinar on Mapping the Pandemic: Plight of Women, Migrant Labourers and Human Mind organized by Loreto College, Kolkata on 25th June 2020.
38. One Day Training cum Orientation Programme organized by the Dept.of English and Foreign Languages, and Dept. of Linguistics, Bharathiar University and TANSICHE on 30th September 2020.
39. International Webinar on Materials Chemistry for Environmental Sustainability organized by the Dept.of Chemistry, Auxilium College (Autonomous), Vellore-6 on 18th and 19th October 2021.
40. National Seminar on "Innovations in Chemistry for Environmental Sustainability" (ICES'23) organized by the PG & Research Department of Chemistry, Auxilium College (Autonomous), Vellore and Nature Science Foundation, Coimbatore on 3rd February 2023.