

Name : Dr. A. Jancirani
Designation : Assistant Professor
Department : Chemistry
Date of Joining : 11 – 07 -2018
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Educational Qualification :

Degree	Subject	College/University & Place	Year Completed
Ph. D	Chemistry	Anna University, Chennai	2017
M. Phil.	Chemistry	A.N.J.A College, Sivakasi	2007
M. Sc.	Chemistry	S.F.R College, Sivakasi	2006
B. Sc.	Chemistry	S.F.R College, Sivakasi	2004
DCA	Computer Applications	S.F.R College, Sivakasi	2003

Academic Credential

- Secured Second Rank in M.Phil Chemistry (2007)

Specialisation in Teaching

- Physical Chemistry
- General Chemistry
- Environmental Chemistry

Research Interest

- Synthesis and characterization of polymeric substances
- Non-isothermal degradation kinetic studies

Any Other Work Experience

Designation	Name of the Institution	Year-From (month/year) To (month/year)
Lecturer	The Standard Fireworks Rajaratnam College for Women, Sivakasi	June 2007 - March 2011
Assistant Professor	Fatima Michael college of Engineering and Technology, Madurai	June 2011 - March 2012
Assistant Professor	Madurai Institute of Engineering & Technology, Pottapalayam	July 2012 - May 2016
Assistant Professor	Sethu Institute of Technology, Kariyapatti	June 2016 - March 2017
Assistant Professor	Thiagarajar College, Madurai.	June 2017 - July 2018

Administrative /Academic Position/s (currently holding):

- ✓ NAAC Criteria VI member from 2022 to till date
- ✓ UG Library Incharge 2023 to till date

Publications

Book

“Laboratory Manual for the beginners in Chemistry”, LAP Lambert Academic Publishing, May 2020. **ISBN No.: 978-620-2-52096-6**

Journal Articles

1. “Synthesis, characterization and non-isothermal degradation studies of rose Bengal end capped Poly(aniline)/Cr₂O₃ nanocomposite, Kenet Nancy Mary, M., **Jancirani, A**, Baskaran, R, Anbarasan, R, Chemical Papers, Vol. 77, 7431-7445 (2023). DOI: 10.1007/s11696-023-03015-8

2. "Effect of Polymer Structure on the Size and Shape of Metal and Metal Oxide Nanopowder: An HR-TEM Approach", Meenarathi, B, Thamizhlarasan, A, Kannamal, L, Luna Eunice, A, **Jancirani, A**, Amala Jeya Ranchani, A, and Anbarasan, R, Nano, Vol. 17, No. 7, 2250055 (2022) DOI: 10.1142/S1793292022500552
3. "Micellar catalysis on the electron transfer reactions of iron (III)-polypyridyl complexes with sulfur-containing amino acids", John Adaikalasamy, K, Rajagopal, R, **Jancirani, A**, Brightson Arul Jacob, Y and Christopher Jeyakumar, T, Chemical Papers, Vol. 76, 4225-4234, 2022. DOI: 10.1007/s11696-022-02165-5.
4. "Effect of substituents on the adsorption behaviour of Aza-Michael addition polymers: A comparative study", **Jancirani, A**, Kohila, V, Meenarathi, B and Anbarasan, R, Polymer Bulletin, Vol. 79, 6193-6209, 2022. DOI: 10.1007/s00289-021-03801-y.
5. "Structural modification of natural fibers for fluorescent probe application" Venkatraman Kohila, **Asirvatham Jancirani**, Balakrishnan Meenarathi Vellaichamy Parthasarathy Ramasamy Anbarasan, Polymers for Advanced Technologies, April, 2021. DOI:10.1002/pat.5333.
6. "Structural, thermal, spectral and sustainable drug release studies of Deoxyfluorouridine tagged Poly(d,l-Lactide)" A. Thamizhlarasan, B. Meenarathi, V. Parthasarathy, A. Jancirani & Ramasamy Anbarasan, Polymer Bulletin , 13 October 2020. 2020. DOI:10.1007/s00289-020-03423-w.
7. 'Effect of nucleating agents on the Non-isothermal crystallization and degradation kinetics of poly(ethylene terephthalate)' Anbarasan Thamizhlarasan, Balakrishnan Meenarathi, Vellaichamy Parthasarathy, **Asirvatham Jancirani** & Ramasamy Anbarasan, Polymers for Advanced Technologies, 26 October 2020. DOI: 10.1002/pat.5129.
8. 'Synthesis, characterization and non-isothermal degradation kinetics of poly(ϵ -caprolactone)/Fe₃O₄ - dye nanocomposites', R. Anbarasan, V. Gokila, B. Meenarathi, G. Jeyalakshmi & **A. Jancirani**, SN applied sciences, vol. 1, no. 602,2019, DOI: 10.1007/s42452-019-0489-1.

9. 'Non-isothermal degradation kinetics of novel poly(monoethyleneglycol dimethacrylate-co-anthranilic acid cinnamoyl ester) synthesized via aza-Michael addition polymerization', **A, Jancirnai**, V, Kohila, B, Meenarathi, A, Yelilarasi & R, Anbarasan, International Journal of Plastics Technology, Issue 1, 2019, DOI: 10.1007/s12588-019-09231-w.
10. 'Synthesis, characterisation and non-isothermal degradation kinetics of poly(mono ethylene glycol dimethacrylate-co-4-aminobenzoate)', **A, Jancirnai**, V, Kohila, B, Meenarathi, A, Yelilarasi & R, Anbarasan, Bulletin of Materials Science, 2016, vol. 39, no. 7, pp. 1725-1733. DOI: 10.1007/s12034-016-1314-8.

International Conference/Seminar Presentation

- Presented a paper in the two days International Conference on Functional Material (ICAC-2023) at The American College, Madurai, on 4th and 5th December 2023.
- Presented a paper in the One day International Seminar on "Emerging Trends In Chemistry & Energy Science at Saraswathi Narayanan College, Madurai, on 7th February 2020.
- Presented a paper in the International Seminar on "Recent Trends in Interdisciplinary Science" (RTIS-2019) at The Standard Fireworks Rajaratnam College, Sivakasi, on 20th September 2019.
- Presented a paper in the International Seminar on "Interdisciplinary Science Studies", The Standard Fireworks Rajaratnam College, Sivakasi, on 3rd September 2018,
- Presented a paper in the International Conference on Frontier Areas in Chemistry at The American College, Madurai during 17th–19th July 2018.
- Presented a paper in the International Conference on Modern Trends in Chemistry at Vivekananda College, Madurai on 23rd February 2018.
- Presented a paper in the International Conference on Advanced Materials Science and Technology at Thiagarajar College, Madurai during 17th–19th August 2017.

- Presented a paper in the One Day International Seminar on Materials Science and Technology at Mother Teresa Women's University on 4th August 2017.
- Presented a paper in the International Conference on Functional Materials at PSN College of Engineering and Technology, Tirunelveli during 7th – 10th September 2016.
- Presented a paper in the Recent Advances in Materials and Chemical Sciences at Gandhigram Rural Institute, Gandhigram during 14th–15th December 2015.
- Presented a paper in the 5th International conference on Perspectives in Vibrational Spectroscopy at Mar Ivanios College, Thiruvananthapuram, Kerala during 8th – 11th July 2014.

National Conference/Seminar Presentation

- Presented a paper in the National Conference on Recent Trends in Chemistry at VPMM College, Krishnankovil during 11th and 12th February 2019.
- Presented a paper in the Recent Advances in Chemical Research (RACR-2017) at VHNSN College, Virudhunagar during 24th – 25th January 2017.
- Presented a paper in the One day National Seminar on “Nuclear Energy for Future Generations” sponsored by Kudankulam Nuclear Power project at Kamaraj College of Engineering & Technology, Virudhunagar on 26th February 2016.
- Presented a paper in the DST-SERB Sponsored National Level Seminar on “Recent Frontiers in Bioinorganic and Medicinal Chemistry (RFBMC - 2015) at Sree Sowdambika College of Engineering, Aruppukottai during 27th - 28th November 2015.
- Presented a paper in the CSIR Sponsored National Seminar on “Recent Trends In Novel Materials for Technical Applications” at KLN College of Engineering and Technology, Madurai during 18th – 19th September 2014.
- Presented a paper in the DST Sponsored National Seminar on Modern Trends in Chemistry – MTC II “Newer Perspectives In Nano and Green Chemistry” at PSNA College of Engineering and Technology, Dindigul during 24th – 25th July 2014.

Workshop/Training/Faculty Development Programme

- Participated in the Water quality analysis training held on 20th March 2007 at ANJA College, Sivakasi.
- Participated in Faculty enhancement programme on Soft Skills, on 27th November 2008, organized by S.F.R. College, Sivakasi.
- Attended nine days Orientation Course in NSS at Avinasilingam University, Coimbatore.
- Participated in Two days Faculty Development Programme on NanoFluids during 5th & 6th December at Thiagarajar College of Engineering, Madurai.
- Participated in Workshop on Effective Evaluation Methodologies held on 26th February 2018 organized by the Office of the Controller of Examinations, Thiagarajar College, Madurai.
- Participated in Two-day Online FDP on “New Normal-Pedagogical Tools for Online Teaching” Organized by Fatima College, Madurai, 11th-12th May 2020.
- Participated in International Faculty Development Program titled “Novel Materials for Energy and Biomedical (Covid-19) Healthcare Applications” organized by Department of Science & Humanities, M.Kumarasamy College of Engineering, Karur , 11th – 16th May 2020.
- Participated in National Online FDP on "creating Perpetual Changes in Students" organized by Meenakshi College, Madurai, 17th May 2020.
- Attended One Week Online FDP on "Physics of Materials" Organized by Department of Physics, Kalasalingam Academy of Research and Education, Krishnankoil, 8th – 14th June 2020.
- Attended International FDP on "Advanced Materials for Sustainable Development" Organized by Dr. N.G.P Institute of Technology, Coimbatore, 15th – 19th June 2020.
- Participated in Three days National Level Faculty Development Webinar on “Challenges and Opportunities in Interdisciplinary Science Research-2020” Organized by The Standard Fireworks Rajaratnam College for Women, Sivakasi, 17th – 19th June 2020.
- Attended A National Level Three Days Virtual faculty development program on “Moving to Master Science in Technology (MMST:2020)” Organized by Freshmen Engineering Department, PSCMR College of Engineering. & Technology, Vijayawada, 18th – 20th June 2020.

- Participated in TEQIP-III sponsored One Week Online FDP on “Quality Control and Safety in Polymer & Allied Industries” Organized by Department of Polymer Science and Technology, Sri Jayachamarajendra College of Engineering & JSS Science and Technology University, Mysuru, 27th -31st July 2020.
- Participated in National Online Workshop on “Computational Chemistry - A Leeway to Theoretical Chemistry” under DBT Star College Status, Organized by PSGR Krishnammal College for Women, Coimbatore, 27th -29th July 2020.
- Attended Online International FDP on “Frontiers of Physics in Bio-medical Applications”, Organized by Department of Science, St. Joseph College of Engineering, Chennai, 19th -21st October 2020
- Attended International Online FDP on “Frontiers in Chemistry” (FC-2020) Organized by Department of Science, St. Joseph College of Engineering, Chennai, 16-18 September 2020.
- Participated in Workshop on “Molecular Modelling for Beginners” Organized by Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai, 31st October 2020.
- Participated in FDP (Online series-I) on “Recent Trends in Materials and Its Applications (NANO-APP 2021)” Organized by Coimbatore Institute of Technology, Coimbatore, 15th-27th February, 2021.
- Participated in National Webinar on “Recent Developments for Chemistry Teachers” Organized by 5th June, 2021.
- Two-Day National Level Virtual Conference on "Environment Protection and Wildlife Conservation, EPWC-2021, 10th and 11th June, 2021.
- National Webinar on “Solving Challenging Problems in Chemistry Using Computational Chemistry and Machine Learning” 14th June 2021.
- Webinar on “Appreciation of Nanomaterials for Photocatalytic Applications 17th June, 2021.
- Two Days National Level Online Workshop on “Introduction to MOLECULAR MODELLING“ Organized by Sri GVG Visalakshi College for Women, Udumalpet, 18th and 19th June, 2021.
- National Level Webinar-II, 2021 on “Addressing Alzheimer’s Disease - A Chemist’s Perspective” and “Forensic science at a Glance” 23rd June 2021.
- Webinar on “NDLI User Awareness” 25th June, 2021.

- National Webinar on “A Pandemic year for Women: What are we learning?” 30th June, 2021.
- International Webinar-III, 2021 on “PEM fuel cells for Electric vehicles” and “Heterogeneous catalyst design for desulfurization targeting clean environment” 28th June, 2021.
- International Webinar on “PROMOTING IKIGAI TO ARISE & SHINE” 29th July 2021.
- Three days online Workshop on XRD, ACCIC, the American College, Madurai, 30th July to 2nd August, 2021.
- International Webinar-IV, 2021 on “How electrochemistry and vibrational spectroscopy work in industry” and “Rechargeable Li-ion batteries (LIBs) and beyond: Chemist’s role towards technology development” Organized by IQAC of Mannar Thirumali Naikar College, Madurai and APC Mahalaxmi College, Thoothukudi, 14th August, 2021.
- One Week FDP "Applied Chemistry: A Catalyst for Scientific Transformations", Organized by SGT University, Gurugram, Delhi, 23rd August to 28th August 2021.
- International Webinar on Recent Advances in Material Sciences - RAMS-2K21, 27th August, 2021.
- Webinar on “NAAC Assessment and Accreditation: A Pathway to Excellence”, 28th August, 2021.
- Two Days International Virtual Workshop on “Innovative Resources and IPR in Research”, Department of Mathematics, The American College, Madurai, 8th and 9th October 2021.
- National Webinar on “Spectroscopic Techniques: A Tool for Structure Elucidation”, Organized by 21st and 22nd October 2021.
- Virtual workshop on “Computational Modelling in Chemistry, Biology and Materials - Making it mainstream”, Organized by Department of Applied Chemistry, Cochin University of Science and Technology, 22nd to 28th November, 2021.
- National Webinar on Novel Approaches in Sustainable and Green Chemistry, 27th January, 2022.
- Online Faculty Enrichment Programme on "Aspects of UV-Visible Spectroscopy and its Applications", 29th March, 2022.
- Online Faculty Enrichment Programme on "Aspects of UV-Visible Spectroscopy and its Applications" 18th to 24th April 2022.
- FDP (Online) on “The Nuances of Scientific Writing and Publishing”, 11th to 19th July, 2022
- Online FDP on Nanomaterial Characterization, 11th to 15th July, 2022.
- UV-visible spectroscopy as an analytical Tool for Drug delivery, 20th July, 2022.
- Advances In Analytical Techniques, 25th to 30th, July, 2022.
- Workshop on separation and characterisation Science, 25th to 30th November, 2022.
- Achieving Excellence in Higher Education & Research, 26th – 30th December, 2022
- Recent Trends in Chemistry, 3rd March, 2023.

- Art and science of methodical scientific writing and publishing in high impact journal, IQAC, The American College, 6th March 2023.
- One week Online Workshop, Patent SEA-2024, organized by Innovative Technology Enabling Center-InTec, CSIR-Institute of Minerals and Material Technology(IMMT), Bhubaneswar, 22nd – 27th January, 2024.

Organizing Committee member

- ✓ Vigyan Sarvatra Pujiyate, Festival of SCoPE for All, Organized by The American College, Madurai and Sponsored by DST, CSIR, MOES, ISRO, DAE, ICMR, DRDO, 22nd – 28th February, 2022.
- ✓ Fem Fiesta – 2023, Organized by the Women’s forum of The American College, Madurai on 8th March 2023
- ✓ Young Student Scientists Programme (YSSP) Organized by the American College, Madurai, sponsored by TNSCST on 20th May to 2nd June 2022

Resource Person

- ✓ In the Workshop on skill development in analytical skills, Organized by Department of Chemistry, The American College, Madurai, on 2nd and 3rd February, 2023.