

CURRICULUM VITAE

Dr.M.TAMILVANAN Ph.D.,

Associate Professor, Department of Chemistry

K.S.Rangasamy College of Technology, Tiruchengode-637215

Namakkal Dist, Tamil Nadu

Email: tamilvananm@ksrct.ac.in

Phone: 6384079199

Professional Experience

- June 2022 to till date** : Working as Associate Professor at K.S.Rangasamy College of Technology(Autonomous), Tiruchengode, Namakkal Dist, Tamil Nadu
- Nov. 2020 to May 2022** : Worked as Assistant Professor at Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, Tamil Nadu
- Dec. 2010 to Sep. 2020** : Worked as Associate Professor at K.S.R College of Engineering (Autonomous), Tiruchengode, Namakkal Dist, Tamil Nadu
- Jan. 2009 to July 2010** : Worked as Post-doctoral Researcher at Universita degli Studi di Roma "Tor Vergata", Italy
- Nov. 2007 to July 2008** : Worked as Research Associate at Pusan National University, South Korea

Teaching Experience in years

13 years and 03 months

Academic background

- Jan. 2003 to Nov. 2007** : Doctor of Philosophy
Anna University, Chennai, Tamil Nadu
- July 2000 to May 2002** : Master of Science in Chemistry
Bharathiar University, Coimbatore, Tamil Nadu
- July 1997 to May 2000** : Bachelor of Science in Chemistry
University of Madras, Chennai, Tamil Nadu

Publications

- 1. M. Tamilvanan, A. R. Sasieekhumar, T. Somanathan and A. Pandurangan.** "Synthesis, Characterization and Photocrosslinking Properties of poly (4- acryloyloxyphenyl-4'- fluorostyryl ketone)", **Polymer Science, Series A**, 6, 727- 735, **2021**
- 2. Saravanan. R, Somanathan. T, Gavaskar. D and Tamilvanan. M** "Analytical method development and validation of stability indicating assay method of analysis for Dolutegravir/Lamivudine/Tenofir Disoproxil Fumarate tablets using High Performance Liquid Chromatography", **Research Journal of Pharmacy and Technology**, 14, 2434- 9, **2021**
- 3. Saravanan R, Somanathan T, Gavaskar D, Sriraman V, Tamilvanan M, Sasieekhumar R** "Development and Validation of Stability Indicating Related Substances Method for Dolutegravir/Lamivudine/Tenofir Disoproxil Fumarate (DLT) Tablets using High Performance Liquid Chromatography", **Research Journal of Pharmacy and Technology**, 15, 2147-50, **2021**

4. **Tamilvanan M**, Pandurangan A, Reddy B. S. R, Subramanian K, "Synthesis, Characterization and Properties of Photoresponsive Polymers comprising Photocrosslinkable Pendant Chalcone Moiety", *Polymer International*, Vol. 56, 104-111, (2007)
5. **Tamilvanan M**, Pandurangan A, Subramanian K. and Reddy B. S. R, "Synthesis and Characterization of Mono- and Di- methoxy Substituted Acrylate Polymers Containing Photocrosslinkable Pendant Chalcone Moiety". *Polymers for Advanced Technologies*, Vol. 19, 1218-1225, (2008)
6. A. Donnadio, M. Casciola, M. L. Di Vona, **M. Tamilvanan**. "Conductivity and hydration of Sulfonated polyethersulfone in the range 70-120C: Effect of temperature and relative humidity cycling". *Journal of Power Sources*, Vol. 205, 145-150, (2012)
7. M.L. Di Vona, E. Sgreccia, **M. Tamilvanan**, M. Khadhraoui, C. Chassigneux, P. Knauth. "High ionic exchange capacity polyphenylsulfone (SPPSU) and polyethersulfone (SPES) cross-linked by annealing treatment: Thermal stability, hydration level and mechanical properties", *Journal of Membrane Science*, Vol. 354, 134-141, (2010)

Oral Presentations

1. Poster presentation entitled "Synthesis and characterization of Photocrosslinkable polymers for Lithographic applications" in the International Conference on Recent Trends in Chemistry (IRCTC-2019) held in Dr. R.K.Shanmugam College of Arts & Science, on 10th January 2019
2. Poster presentation entitled "Synthesis and Characterization of Photocrosslinkable Polymer for Lithographic applications" in National Conference on "Recent Advances in Chemistry and Nanomaterials (RACN – 2019) held at Department of Chemistry, Sun Arts and Science College, Tiruvannamalai – 606 755
3. Oral presentation entitled 'Theoretical Studies of NLO Active Tris(Allylthiourea) Mercury(II) Chloride Complex in International Conference on Innovations in Science, Engineering, Technology and Management "ICISSETM 2018" at Annapoorna Engineering College, Salem on 9th & 10th March 2018
4. Delivered an invited lecture in the National Conference on Emerging Advanced Material held on 3rd March 2017 which was conducted by AVS College of Technology, Salem
5. Presented a paper at the JCBC 2005, the International Conference on "Advances in Polymer Blends, Composites, JPNS and Gels: Macro to Nano Scales" held at School of Chemical Sciences from 21st to 23rd March 2005.
6. Presented a paper at Macro 2004, the International Conference on Polymers for Advanced Technologies held at Thiruvananthapuram from 14th to 17 December 2004.

Book Chapter

Muthusamy Tamilvanan and Sung-Ho Jin. (Chapter-1) π -conjugated polymers for OLEDs, *Organic Electronics: Materials Processing, Devices and Applications*. Taylor and Francis, LLC, Pages 3-26, ISBN: 978-1-4200-7290-7, (Year 2009)

Ph.D thesis

Thesis title : Synthesis, Characterization and Photocrosslinking Properties of New Homo- and Co-Polymers Containing Pendant Chalcone Units
Research Supervisor : Dr. A. Pandurangan, Professor
Department of Chemistry, Anna University, Chennai, Tamil Nadu

Area of Expertise

- Development of sulfonated polymer electrolyte membranes for fuel cells
- Energy storage technologies
- Synthesis and characterization of π -conjugated polymers for OLEDs
- Synthesis and Characterization of photocrosslinked polymers for lithographic Applications
- Dye sensitized solar cell

Research supervisor recognition

- Anna University Chennai, Tamil Nadu, India- Supervisor Reference No: 2870089

Online courses

S.No	Name of the Course	Conducted By	Duration	Period
1	Non-Conventional Energy Resources	NPTEL	12 Weeks	Jan-April 2019
2	Stereochemistry	NPTEL	08 Weeks	July-Sep 2017
3	Digital Teaching Techniques	ICT	01 Week	10th Aug 2020-15th Aug 2020

Personal details

Date of birth : 05 July 1979
Gender : Male
Marital Status : Married
Nationality : Indian
Languages read & write : Hindi, Tamil & English
Languages spoken : Tamil & English

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

Date: 27.05.2024

Place: Tiruchegode-637215

Signature



(Dr. M. TAMILVANAN)