

M. R. DEVI

Assistant Professor – PG Chemistry

- Assistant professor and HOD of chemistry with around 5 years of teaching experience.
- Former Junior Research Fellow (JRF) with hands-on experience in DRDO projects.
- Skilled in academic instruction, curriculum development, and research.
- Committed to fostering student success and advancing chemical sciences.



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Nagercoil, India



06 April 1986

TEACHING EXPERIENCE



PG Chemistry Department

Sree Devi Kumari Women's College

Dec 2020 – Present

Roles and Responsibilities

- **Leadership and Development:** Lead and manage the department to achieve excellence in teaching, research, and innovation, fostering a culture of growth and collaboration.
- **Discipline and Conduct:** Maintain discipline among students and staff, ensuring adherence to policies and a professional environment.
- **Operational Oversight:** Oversee the department's daily operations, addressing challenges to ensure smooth functioning and efficiency.
- **Strategic Planning:** Develop and implement strategies to enhance academic programs, research output, and student success.
- **Faculty Collaboration:** Promote teamwork among faculty through regular meetings and collective problem-solving.
- **Monitoring and Evaluation:** Supervise academic and administrative tasks, ensuring timely completion and providing constructive feedback.

RESEARCH EXPERIENCE



Green chemistry approach for the synthesis of high molecular weight energetic polymers over solid acid catalysts

MS University, Tirunelveli

Oct 2012



Synthesis and characterization of mesoporous aluminophosphate-based molecular sieves and their catalytic applications on esterification and polymerization reactions

MS University, Tirunelveli

Oct 2017



Polymeric Blends-Preparation, Evaluation, and Application (M.Sc. Project work)

CLRI, Chennai

Mar 2008

EDUCATION DETAILS



Ph.D. Chemistry

MS University

Oct 2017



MSc Chemistry – 71.6%

P.S.G. College of Arts and Science

Aug 2006 – Apr 2008



BSc Chemistry – 65.5%

S.T. Hindu College

Aug 2003 – Apr 2006

ACHIEVEMENTS

- **University Rank Achievement:**
Mentored **two students** who secured **6th rank** in **MS University** in the years **2023 and 2024**, showcasing consistent academic excellence.
- **National Seminar Convenor:**
Successfully organized a **national-level seminar** on “*Smart Materials: The Building Blocks of Smart Technologies*”, featuring **Dr. Suresh Kumar**, Senior Project Associate, **CSIR–NIIST, Thiruvananthapuram**.

BEYOND CURRICULUM



Coordinator of the ECO Club

Jun 2024 – Present



District-level Bharatanatyam classical dancer

PRESENTATIONS

MODE	CONFERENCES	UNIVERSITY	PERIOD
Oral	International conference RTITES-2024	Pope's College, Thoothukudi	Aug 20, 2024
Poster	International Workshop "TWAFFMD-2017	M.S. University, Tamilnadu	Jan 8-12, 2017
Oral	11th All India National Conference of KAAS-2016	Sree Aiyappa college of arts and science,Tamilnadu	Dec 9-10, 2016
Oral	5th National Symposium for Materials Reasearch Scholars, MR-13	IIT-Bombay, Mumbai	May 9-10, 2013
Poster	International conference "ICEGT-2012	Periyar Maniammai University,Tamilnadu	July 27-30, 2012
Poster	National Symposium NS NHC-2012	M.S. University, Tamilnadu	09-Mar-12
Poster	National conference "NCCTC-2011	M.S. University, Tamilnadu	Mar 24-25, 2011
Poster	International conference "ICAMA-2011	Kalasalingam University,Tamilnadu	Mar 4-5, 2011
Poster	National conference "MNMDVA-2010	M.S. University, Tamilnadu	Jan 28-29, 2010
Poster	National conference "APTCHEM-2009	University of Calicut	Mar 19-20, 2009

PUBLICATIONS

Sl.No	Articles
1	C. Kannan, M. R. Devi , and K. Muthuraja, Conservational methodology for polymerization of styrene, Advanced Materials & its applications (ICAMA), <i>MACMILLAN Advanced research series</i> , (2011) 363-370. (ISBN CORP-000187) .
2	Devi. M. R. and Kannan. C., Simple Synthesis of Large pore Mesoporous Iron Substituted Aluminophosphate molecular Sieves, <i>Research Journal of Chemical Sciences</i> , Vol. 3, No.9, (2013) 83-85. (GIF : 0.654) (ISSN/E-ISSN : 2250-9261/2231-606X) .
3	Murugan R Devi and Chellapandian Kannan, Synthesis of Unusual Large Pore Mg Substituted Alumino Phosphate (MgAlPO4) Mesoporous Molecular Sieve and its Catalytic Activity, <i>Journal of Applicable Chemistry</i> , Vol. 2, No.3 (2013) 398-404. (GIF : 0.654) (ISSN: 2278- 1862) .
4	M. R. Devi and C. Kannan, Environmentally Friendly Synthesis of Ester of Acetic Acid by using Nanoporous MgAlPO ₄ as Catalyst, <i>Jounal of Environmental Nanotechnology</i> , Vol.2, No.3 (2013) 25-28. (GIF : 0.601) (ISSN : 2279-0748) .
5	Kannan C., Devi M.R. , Muthuraja K., Esaivani K. and Sudalai Vadivoo V. Green catalytic Polymerization of Styrene in the Vapor phase over Alumina, <i>Research Journal of Chemical Sciences</i> , Vol. 2, No. 7, (2012) 27-35. (GIF : 0.654) (ISSN : 2231-606X) .
6	C.Kannan, M.R.Devi , Eco friendly synthesis polystyrene over crystalline, nanoporous MgAlPO ₄ , <i>Proceedings of the Kanniyakumari Academy of Arts and Sciences (KAAS-2016)</i> , Vol:3, (2016) (ISBN: 978-93-81658-16-1)
7	Chellapandian Kannan*, Kumarasamy Muthuraja, Murugan R. Devi , Hazardous dyes removal from aqueous solution over mesoporous aluminophosphate with textural porosity by adsorption, <i>Journal of Hazardous Materials</i> , 244– 245 (2013) 10– 20.(IF : 6.065) (ISSN 0304-3894)
8	C Kannan, K Muthuraja, M R Devi, Adsorptive Removal of Metanyl Yellow on Mesoporous Nickel Aluminophosphate Molecular Sieves from Aqueous Solution, <i>Asian Journal of Chemistry</i> 24 (2012) 5775. (ISSN : 09707077)
9	C Kannan, Prakash G, M R Devi, Synthesis and characterisation of mesophorous aluminophosphate based solid acids and their vapour phase catalytic application, <i>Proceedings of national seminar on advances in physical and theoretical chemistry (Aptchem-2009)</i>
10	C Kannan, P.Inbaleela, M R Devi , Eco friendly Synthesis of polystyrene over green catalyst, "Proceedings of International Conference on Emerging Green Technologies (ICEGT 2011) July 27-30 (2011) 422-424
11	C Kannan, M R Devi , Synthesis and characterisation of Nanophorous ZnAlPO4 Catalyst, "Proceedings of the International Workshop on Advanced Functional Materials and Devices , Jan 8-12 (2017) 50-51, [ISBN: 978-93-81402-38-2]
12	Anju A V, Devi M R , Development of Ecofriendly Bio plastics from Leaf extracts of Azadirachta Indica and Osmium Sanctum, <i>Proceedings of the fourth KAAS International Conference</i> , [KAAS-2024], Vol-II (2024) (ISBN: 978-93-81658-43-7)
13	J. Clara Jeya Geetha, M. Balavinoth, M. R. Devi and J. Ilavarasi Jeyamalar, Esterification of Benzoic acid over Zinc incorporated solid acid catalyst, <i>Heterocyclic Letters</i> , Vol. 13, 459-466 (2023) (ISSN: 22313087)
14	M.R. Devi and V. A. Anju, Green catalysis in Biodiesel production: Utilizing FeO Nanoparticles for castor oil transesterification, <i>Proceedings of the international conference on Recent Trends and innovative Technologies in Environmental Science RTITES-2024</i> , 177-179 (ISBN : 978-81-944746-0-9)

REFERENCE

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Dr. M. Usha

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