

DR. M. SELLADURAI

Name : Dr. M. Selladurai.,
Date of Birth & Age : 05.05.1979 & 39 Years
Designation : Assistant Professor (Management),
Official Address : Department of Chemistry,
NGM College,
Pollachi - 642002.
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Area of Specialization : 1. Organic Chemistry
2. Polymer Chemistry
3. Nanocomposites

Educational : M.Sc., M.Phil., Ph.D.

Qualifications

Course	Major subjects	College/University/Institution	Year of Passing
B.Sc.	Chemistry	Government Arts College, Dharmapuri/Madras University	2000
M.Sc.	Chemistry	Annamalai University, Chidambaram	2003
M. Phil.	Chemistry	College of Engineering Guindy, Anna University, Chennai	2004
Ph.D.	Polymer Chemistry	College of Engineering Guindy, Anna University, Chennai	2013

Teaching Experience : 6 Years

Research Experience : 6 Years

Industrial Experience : 3 Years

Research Guidance : Nil

Membership in Board of Studies : Nil

Refresher Course / Orientation Course attended : Nil

Professional Experience:

- **Assistant Professor** at Department of Chemistry, Sri Ramakrishna Institute of Technology, Coimbatore – 641 010, from 01.06.2016 to 24.08.2018.
- **Assistant Professor** at Department of Chemistry, Dr Mahalingam College of Engineering and Technology, Pollachi, Coimbatore - 642 003, from 03.06.2013 to 31.05.2016.
- Recognized as **Research Supervisor (Ref. No.: 2270570)** by Anna University, Chennai – 600 025.
- Member of IAQC for the preparation of AQAR report to submit it to NAAC in Dr Mahalingam College of Engineering and Technology, Pollachi, Coimbatore - 642 003.
- Member of Outcome Based Education (OBE) for Engineering Chemistry restructuring the curriculum and participated in a workshop for Active Teaching Methods.

Fellowships and Achievements:

- Visiting Scholar (Researcher) in Department of Chemistry, Carleton University, Ottawa, Ontario, Canada. Fellowship was awarded by **Canadian Commonwealth Scholarship, Govt. of Canada** - August 2011 to January 2012.
- Visiting Scholar (Researcher) in Department of Chemistry, Carleton University, Ottawa, Ontario, Canada. Fellowship was awarded by **Canadian Commonwealth Scholarship, Govt. of Canada** - October 2009 to January 2010.
- Received **Best Performance Award of YRC** from Indian Red Cross Society, Tamilnadu Branch in the Coimbatore Chapter at Bharthiyar University, Coimbatore held on 21st April 2016.
- Reviewer for **Journal of Applied Polymer Science, Wiley**.

Administrative & Industrial Experience:

- I have worked as a **Programme Officer for YRC / RRC** in Dr. Mahalingam College of Engineering and Technology, Pollachi – 642 003, from August 2014 to May 2016.

- **Science Club Coordinator** in Sri Ramakrishna Institute of Technology, Coimbatore to conduct various seminars about current science for engineering students.
- I worked as a **Resident Counselor** in Engineering College Hostels (6th Block), Anna University, Chennai – 600 025 from January 2008 to March 2012.
- Research **Scientist** in Chemo-informatics Division at Jubilant Biosys Ltd, Bangalore from 17th July 2004 to 29th December 2006.

Workshop / Faculty Development Programme:

- Attended seminar “Intellectual Property Rights in Development of **MSME**” during 20 to 21st December, 2013 at Dr. Mahalingam College of Engineering and Technology, Pollachi – 642 003.
- Attended workshop “Engineering Faculty Workshop by **MISSION 10X (Wipro)**” on 8 to 10th January, 2015 at Dr. Mahalingam College of Engineering and Technology, Pollachi – 642 003.
- Attended workshop “**Training Programme on Environmental Studies**” conducted by IIT Bombay during 02 - 12th June, 2015 at Dr. Mahalingam College of Engineering and Technology, Pollachi – 642 003.
- Attended workshop “Polymer Technology Training Centre” during 23 - 27th March, 2010 at Department of Chemistry, Anna University, Chennai – 635 205.
- Attended seminar “High Performance Polymers” on 26th October, 2007 at Department of Chemistry, Anna University, Chennai – 635205.

Seminars, Conferences, Workshops, Guest Lectures etc. organized:

- Conducted One day National level conference acted as **Organizing Secretary** in the title of “**Recent Advancements in Chemical Sciences (RACS 2017)**” at Department of Chemistry, Sri Ramakrishna Institute of Technology, Coimbatore – 641 010 on 28.10.2017.
- **Convener** for the Preparation of “**Conference Proceeding**” in the International Conference of RESE 2015 held on 11th to 13th August 2015 at Dr. Mahalingam College of Engineering & Technology, Pollachi – 642 003.

- Conducted seminar “**National Science Day**” Resource Person: Dr. S. C. Murugavel, Associate Professor, Department of Chemistry, PSG College of Technology, Coimbatore at Sri Ramakrishna Institute of Technology, Coimbatore – 641 010 on 28.02.2017.
- Conducted seminar “**Think Globally, Act Locally & Do Domestically**”, Resource Person: Dr. M. B. Nirmal, Founder, ExNoRa International, Chennai at Sri Ramakrishna Institute of Technology, Coimbatore – 641 010 on 16.03.2017.

Research Publications in Journals:

- Selladurai, M. and Sarojadevi, M. (2015), “Synthesis and properties of modified PMR type polyimide and composite with non-carcinogenic diamine”, High Perform. Polym., (28 (2015), pp 162-172). **(IF: 1.047)**.
- Selladurai, M. Sundararajan, P.R. and Sarojadevi, M. (2012), “Synthesis, thermal and mechanical properties of modified PMR/Carbon fiber composites”, Chem. Eng. J., 203 (2012), pp 333-347. **(IF: 6.735)**.
- Selladurai, M. Sundararajan, P.R. and Sarojadevi, M., “Synthesis and properties of bis (3,5-dimethyl-4-amino phenyl)-4'-methoxy phenyl methane based PMR type polyimide and its composites”, Ind. Eng. Chem. Res., 52, (2013), pp 5261–5269. **(IF: 3.141)**.
- Rakesh, S. Selladurai, M. Sundararajan, P.R. and Sarojadevi, M., “Thermal and mechanical properties of POSS-Cyanate ester/Epoxy nanocomposites”, High Perform. Polym., 25, 1, (2013), pp 87-96. **(IF: 1.047)**.

Seminars, Conferences, Workshops etc., Attended/ Papers presented:

- Selladurai, M. Sundararajan, P.R. and Sarojadevi, M. “Modified PMR type polyimides using non carcinogenic diamines”, presented in the ACS regional meeting (MARM-2012) held at University of Maryland – Baltimore County, USA during 31st May to 2nd June 2012.
- **Selladurai, M.** and Sarojadevi, M. “Synthesis, characterization and thermal properties of nadimide terminated resins”, International Conference on “Macro 2010 - Frontiers of Polymers and Advanced Materials” held during 15 – 17th December, 2010 at IIT Delhi, Delhi.

- **Selladurai, M.** and Sarojadevi, M. “Synthesis and characterization of new polyaspartimides derived from bis(4-maleimido-phenoxy)-diphenyl sulfone with various aromatic diamines”, 10th National conference on “Macro 2009 - Recent Advances in Polymer Sciences”, held during 09-11th February, 2009 at Indian Institute of Technology Madras (IIT-M), Chennai, India.
- **Selladurai, M.** and Sarojadevi, M. “Synthesis and characterization of nadimide terminated resins with various aromatic diamines”, International Conference on Polymer Congress (APA 2009), held during 17-20th December, 2009 at IIT Delhi, Delhi.
- **Selladurai, M.** and Sarojadevi, M. “Synthesis and characterization of new polyaspartimides derived from bis(3,5-dimethyl-4-maleimidophenyl)-3'-pyridyl methane and various substituted aromatic diamines”, National conference on “polymeric materials” held during 20 – 21st January, 2009 at Stella Marries College, Chennai, India.
- **Selladurai, M.** and Sarojadevi, M. “Synthesis and characterization of new polyaspartimides derived from bis(3,5-dimethyl-4-maleimidophenyl)-3'-pyridyl methane and various substituted aromatic diamines” National conference held during 18 to 19th March, 2010 at B. S. Abdur Rahman University, Chennai.
- S. Senthilkumar, S. Sudha and **M. Selladurai**, National conference on “Eco-Friendly Textiles” held on 17th March 2017 at PSG College of Arts & Science College, Coimbatore.
- S. Senthilkumar, S. Sudha and **M. Selladurai**, International conference on Environment, Genes, Health and Diseases 2017 (EGHD 2017), Bharathiar University, Coimbatore, Tamil Nadu held on 22-24th August 2017.
- S. Senthilkumar, **M. Selladurai** and S. Sudha, International conference on “Recent Trends in Synthetic Methods and Material Chemistry”, Department of Chemistry, Annamalai University, Chidambaram, Tamil Nadu held on 2 – 3rd February 2018.

Memberships in Professional Bodies:

- Life Time Membership in Indian Society for Technical Education, New Delhi.
- Life Time Membership in NMR, IISc, Bangalore.