

FACULTY PROFILE

Dr.M.Meena
Professor
Department of Science and Humanities (Chemistry)
R.M.K.Engineering College
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Educational Qualification

Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
Ph.D	Chemistry	2010	Anna University	Anna University		
M.Phil	Chemistry	2004	J.N.T University	J.N.T University	64	First
M.Sc.	Applied Chemistry	1994	Anna University	Anna University	75	First
B.Sc.	Chemistry	1992	S.D.N.B. Vaishnav college for women	Madras University	79	First

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
R.M.K Engineering College	Professor	01.07.2013	till date	5	2	
R.M.K Engineering College	Associate Professor	01.02.2011	30.06.2013	2	5	
R.M.K Engineering College	Asst. Professor	01.12.2008	31.01.2011	2	2	
R.M.K Engineering College	Lecturer	09.07.1997	30.11.2008	11	4	22
Rajarajeswari Engineering College	Lecturer	July 1996	June 1997	1		
Total Experience				21	13	22

Title of Ph.D. Thesis : Competence of single and di-site phase transfer catalysts in the radical polymerization of alkyl methacrylates - A kinetic study

Journal Publication

- **Meena M**, Umapathy M. J”, Efficiency of Single Site Phase Transfer Catalyst in Free Radical Polymerization of Butyl Methacrylate – A Kinetic Study” 2016, Brazilian Archives of Biology and Technology- an International Journal, Vol.59, e16161045, pp.1-9.
- **Dr. M. Meena**, Dr. S. Nanjundan, Dr. M. J. Umapathy, “Free Radical Polymerization of Methyl and Ethyl Methacrylates by Green Methodology”, 2016, International Journal of Applied Engineering Research, Vol.11, No.4, pp.2177-2184.
- “Yoganand, K. S., Srikumar, D. S., **Meena, M.** and Umapathy, M. J, “Kinetics of phase transfer agent-aided free-radical polymerization of acrylonitrile and methyl methacrylate using water soluble initiator”, 2009, Intl. J. Polym. Mater., Vol. 58, No. 3, pp. 150-159.

Consultancy Service

- Offering consultancy service for Abref P.Ltd on “Development of Cordierite Klin Furniture High Temperature Application” – from 23rd May 2015.

Book Publication

- Co – authored a Text book on **Engineering Chemistry** (from 2000 onwards) and Practical Engineering Chemistry from 1999 onwards.

Conference Publication

- **Meena, M**, “Single site phase transfer catalyst in the free radical polymerization of butyl methacrylate” National Workshop on Recent Advances in Engineering Materials and Chemical Sciences (NWRAEMCS – 2016), 26th February, University College of Engineering, Villupuram, Anna University – Oral Presentation.
- **Meena, M.** and Umapathy, M. J. “Free radical polymerization of ethyl methacrylate using a novel di-site phase transfer catalyst - A kinetic study”, National Conference on Recent Advances in Material and Methods of Chemistry, 2nd February, 2010, Department of Chemistry, SRM University, Tamil Nadu, India- Oral Presentation.

- **Meena, M.** and Umapathy, M. J. “Phase transfer catalysts: Radical polymerization of MMA using water soluble initiator”, APA 2009, New Delhi, India - Poster Presentation.
- **Meena, M.** and Umapathy, M. J. “Synthesis of di-site phase transfer catalyst and its application in free radical polymerization of n-butyl methacrylate -A kinetic study”, 23rd Annual Conference of Orissa Chemical Society and National Seminar on Recent Trends in Chemical Science and Technology, 19th - 20th December 2009, Department of Chemistry, National Institute of Technology, Rourkela, Orissa, India- Oral Presentation.
- Presented a paper on “Indian women – Past, Present and Future” in the National Conference on “Role of women for India ahead” conducted by SRM University held on April 2-3, 2008.
- Presented a poster on “New Materials and Techniques in Solar cells” in the International Conference on solar cells (“IC- SOLACE 2008”) held on January 21-23, 2008.
- Presented a paper on “Current status of waste to energy – A global perspective” in the National Conference on “Sustainable technologies for better tomorrow” conducted by VIT University held on December 19-20, 2007.

Workshop/ FDP / Seminar

- Attended National workshop on “Optical Spectroscopy” from 2nd -3rd July, 2018, at IIT Madras, organised by sophisticated analytical instrument facility.
- Attended FDP on “Leading your students to success” on 30th June 2016 at R.M.K Engineering College
- Attended one day National Seminar on “Innovative Techniques to Control Nuclear Hazards in Various Fields” organised by Department of Chemistry, RMK College of Engineering and Technology on 23rd February 2015.
- Attended two days’ workshop on “Principles and Applications of Analytical Instruments for Bioanalysis” at SRM university during 18th and 19th Dec 2014
- Attended two days’ workshop on “Effective Research with Results” conducted during 28th and 29th November, 2014 organised by Research Forum of KCG College of Technology.
- Attended a conference on ‘Water Security in Tamil Nadu – Issues and Challenges’ organized by Confederation of Indian Industry (CII) Tamil Nadu Water Summit – 3rd Edition, held on 18 October 2014 at Hotel Hilton, Chennai.

- Attended National level workshop on “Advancement of solar photovoltaic technologies a ray of hope for the future (ASPT2012) on 2nd and 3rd of August 2012, held at Rajalakshmi Engineering College, Chennai.
- Attended MISSION 10X workshop conducted at R.M.K Engineering College from 7th -11th February 2012.
- Attended one day workshop on “How to Write Research Proposals and Overview of Prospective Funding Agencies” held on 7th August -2010, at R.M.K Engineering College.
- Attended National Seminar on “Nano Science and Technology – Challenges Ahead (NSTCA – 08) on 19th August – 2008, held at Vellammal Engineering College, Chennai.
- Participated and given a talk on “Conservation of Wetlands” in connection with World wetland conservation day at St. Joseph higher secondary school held on 27/2/08, Pazhaverkadu.
- Attended Faculty Development Programme on “Analytical Instruments” conducted by EIE department of R.M.K Engineering College between 3-15th of December, 2007.
- Attended seminar on “Internet for Education” held at R.M.D Engineering College on 7th September 2002.

Membership

- **Life time membership in “The Indian Society for Technical Education” - 2015**