

RESUME



Name : Dr. M. Sangeetha

Father's Name : Mr. K.K.P. Mani

Age & Date of Birth : 30 & 11.08.1985

Permanent Address : 2/131H Ganapathy Garden, (C/o Bhavan Cell Shop),
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Marital Status : Married

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Educational Qualification :

Course	College	University	Percentage	Class	Year of passing
B. Sc Chemistry	GTN Arts College	Madurai Kamaraj University	71%	I	2006
B.Ed Chemistry	Mother Therasa University	Mother Therasa University	72%	I	2007
M.Sc Chemistry (Full Time)	St Xavier's College	Manonmanium Sundaranar University	66.86%	I	2009
M.Phil Chemistry (Full Time)	GTN Arts & Science College	Madurai Kamaraj University	76.20%	I	2010

Ph.D Chemistry (Full Time)	GTN Arts & Science College	Madurai Kamaraj University	Awarded on 01.02.2016	2016
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Field of Research: Corrosion

Thesis Title : Eco friendly corrosion inhibitors for carbon steel in Sea water.

Experience Qualification:

Designation	College	Experience
Assistant professor	KSR College of Technology, Tiruchengode	From 04 -08- 2014 to 07-05- 2016
Assistant professor	RVS School of Engineering, Dindigul	From 04-07-2016 to till date

PUBLICATIONS

1. **M.Sangeetha**, S.Rajendran, T.S. Muthumegala, A. Krishnaveni. "Green corrosion inhibitors – An overview" *Zastita materijala* 52, (2011), p 3-19.
2. **M.Sangeetha**, S. Rajendran, J. Sathiyabama, A. Krishnaveni, P.Shanthi, N.Manimaran, B.Shyamaladevi. "Corrosion inhibition by an aqueous extract of phyllanthus amarus" *Portugaliae Electrochimica Acta* 29 (6), (2011), p 429-444.
3. **M.Sangeetha**, S.Rajendran, J.Sathiyabama and P.Prabhakar. "Eco friendly extract of Banana peel as corrosion inhibitor for carbon steel in sea water" *J. Nat. Prod. Plant Resour.*, 2 (5), (2012), p 01-610.
4. **M.Sangeetha** , S.Rajendran , J.Sathiyabama and P.Prabhakar. "Asafoetida Extract (ASF) as green Corrosion Inhibitor for Mild Steel in Sea Water" *International Research Journal of Environment Sciences* 1(5), (2012), p 14-21.
5. **M. Sangeetha**, S. Rajendran, J. Sathiyabama and A. Krishnaveni. "Inhibition of Corrosion of Aluminium and its Alloys by Extracts of Green Inhibitors" *Portugaliae Electrochimica Acta* 31(1), (2013), p 41-52.
6. **M. Sangeetha**, S.Rajendran, J.Sathiyabama, et.al., "Corrosion Inhibition by flower extracts-An over view" *International Journal of Nano-Corrosion-Science and Engineering (IJNCSE)*, 2(3) ,(2015), p14-21.
7. D. Madhan, P. Rajkumar, P. Rajeshwaran, A. Sivarajan, **M. Sangeetha**, "One-step synthesis, characterization, and visible light photocatalytic activity of pure and Zn-doped SnO₂ nanoparticles" *Appl. Phys. A materials science and processing* , published online on 23 may (2015) .
8. D. Madhan, M. Parthibavarman, P. Rajkumar, **M. Sangeetha**, "Influence of Zn doping on structural, optical and photocatalytic activity of WO₃ nanoparticles by a novel microwave irradiation technique" *J Mater Sci: Mater Electron*, published online on 06 June (2015) .

PAPER IN COMMUNICATION

1. **M.Sangeetha**, S.Rajendran, J.Sathiyabama. "Eco friendly extract of Asafoetida (ASF) as corrosion inhibitor for carbon steel in sea water" *Bulgerian chemical communication* manuscript No is 541/15.04.2014.

Articles in press

1. **M.Sangeetha**, S.Rajendran, J.Sathiyabama, et.al., "Corrosion Inhibition by Nano Film Of (3z,7z,10z)-1-Oxa-6-Azacyclododeca-3,7,10-Triene Formed on Mild Steel In Seawater" *Journal of Biomimetes, Biomaterials, and Biomedical Engineering*.

LIST OF PAPERS PRESENTED IN CONFERENCES

1. Presented a paper in St xavier's College entitled "Preparation and IR Spectral studies of Cobaloximes containing N-donors on 23rd Sept 2008.
2. Presented a paper in Jayaraj Annabakiam College on 18th & 19th feb 2010.
3. Presented a paper in Cardamom Planter's Assosiation College Bodinayakkanur on 23rd & 24th Sep 2010.
4. Presented a paper in National Corrosion Council India / CSIR Chennai on 16, 17 & 18th Sep 2010.
5. International conference on 'global competitiveness in Biology, Chemistry and Environment: for a better tomorrow held on 3rd Feb 2011, conducted by Department of Biochemistry, Rev Jacob Memorial Christian college, Ambilikai. Presented a paper entitled "corrosion inhibition by green inhibitor"
6. Presented a paper in 2nd International Conference on Bioinformatics and systems biology (INCOBS-2011) held on 16th -17th Feb 2011 conducted by Annamalai University.
7. Presented a paper in the National Conference on "Role of chemists in Advanced Chemistry" organized by the DST- FIST sponsored Department of Chemistry, Ayya Nadar Janaki Ammal College , Sivakasi on 25th -26th July 2011.
8. National seminar on "Recent Advances in Applications of spectroscopy" held on 25th -26th August 2011 conducted by Fatima college (Autonomous), Madurai. Presented a paper entitled "Spectroscopic methods used for analyzing protective film formed by Zingiber officinale on corrosive carbon steel".

9. Chemistry Research Colloquium organized by the PG and Research Department of chemistry, GTN Arts College, Dindigul on 20th October 2011, presented a paper entitled “Eco friendly corrosion inhibitors for carbon steel in Sea water”.
10. Presented a paper on National symposium on Recent Developments in Chemistry (NSRDC'12) organized by the Department of Chemistry, Srinivasan College of Arts and Science, Perambalur on 25th Feb 2012.
11. Presented a paper on National Level Seminar on Topical Drifts in Nanotechnology and Bio- Inorganic Chemistry organized by Nadar Saraswathi College of Arts and Science Theni on 7th Sep 2012.

BEST PAPER AWARD

- 1) Won best paper award in UGC sponsored one day National level Seminar on Recent advances in chemistry (RAC-2015) on 18th Mar 2015 organized by PG and Research Department of chemistry GTN Arts college, Dindigul, India.
- 2) Won best paper award in International conference on Recent advances in Nano science & Technology (RAINSAT- 2015) on July 8th- 10th 2015 organized by Sathyabama University Chennai in associated with Central Leather Research Institute, council of scientific & industrial research ,Chennai, India

. CONFERENCES PARTICIPATED

1. Participated National level conference in Vivekananda College Madurai on 26 & 27th feb 2010.
2. Participated National level conference in Yadava College Madurai On 5th march 2010.
3. Participated in National level conference on Emerging Trends in Chemistry organized by the PG and Research Department of chemistry, Bishop Heber College, Tiruchirappalli (DST-FIST) on 11 Jan 2012.

WORKSHOP ATTENDED

Two days (3rd & 4th Dec 2010) workshop on Science Academy lecturer workshop on Spectroscopy in National Institute of technology Trichy.



Won best paper award in International conference on Recent advances in Nano science & Technology (RAINSAT- 2015) on July 8th- 10th 2015 organized by Sathyabama University Chennai in association with Central Leather Research Institute, council of scientific & industrial research ,Chennai, India

Authors of the paper: M Sangeetha, S Rajendran, J Sathiyabama, D Madhan, P Satyabama, R Maria Joany and M Bani John

Title of the Paper: Corrosion Inhibition by Nano Film Of (3z,7z,10z)-1-Oxa-6-Azacyclododeca-3,7,10-Triene Formed on Mild Steel In Seawater