

Photo (Stamp size)

* **Name : Dr. M. Shyamala**
* **Designation :** Professor (CAS) & HoD
* **Department :** CHEMISTRY
* **Qualification : M.Sc., M.Phil., Ph.D**
* **College Address :** Government College of Engineering,

Salem

* **Phone No. :** 9841566784
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* **Experience :** 22 years
* **Academic Performance**

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| --- | --- | --- | --- | --- |
| **Education** | **School/College** | **YEAR OF PASSING** | **UNIVERSITY** | **CLASS** |
| SSLC | Avila Convent Matriculation Higher Secondary School, Coimbatore | 1991 | Matriculation | First |
| HSC | 1993 | State Board | First |
| B.Sc | Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore | 1996 | Avinashilingam Deemed University, Coimbatore | First |
| M.Sc | 1998 | First  |
| M.Phil. | 2000 | First |
| Ph.D | Anna University, Chennai | 2009 | Anna University, Chennai | First |

* **Date of Joining :** 09.08.2001

**Achievements since date of joining:**

* **Papers Published in Journal :** 9
* **Books Published :** 1
* **Conferences / Seminars attended :** 17
* **Trainings organised :** 12
* **Trainings attended :** 34
* **Ph.D Supervisor :** 2 scholars
* **Doctoral Committee member :** 3 scholars (1 completed)

**MEMBER OF BOARD OF GOVERNORS / ACADEMIC COUNCIL / BOARD OF STUDIES/ AWARDS COMMITTEE**

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| --- | --- | --- |
| ***Board of Governors*** | *State Government Nominee* | *Sri Sai Ram Engineering College, Chennai* |
| ***Academic Council*** | *University Nominee* | *P.S.R. Engineering College, Sivagasi* |
| ***Awards Committee*** | *Chairman* | *Central Polytechnic College, Tharamani, Chennai* |
| ***Board of Studies*** | *University Nominee* |  *Dr.N.G.P.Institute of Technology, Coimbatore* |
| ***Expert Committee*** | *Member* | *The Tamil Nadu* *Dr. Ambedkar Law University, Chennai*  |

* **FOREIGN VISIT TO MALAYSIA**

*Paper presentation in the “Chemistry and Environment Symposium ICASIT 2015”organized by Universiti Teknologi MARA, Malaysia from 24–26 February, 2015 and received* ***BEST POSTER AWARD”.***

* **RECEIVED SHIELD FROM EDUCATION MINISTER OF TAMIL NADU FOR WORKING BEST IN TNEA - 2019 *(Tamil Nadu Engineering Admissions, TNEA, 2019)***
* **Attended Joint Review Mission meetings with World Bank, MHRD, NPIU (National Project Implementation Unit, Noida) & other states SPFUs (State Project Facilitation Units)**
	+ - * *6th JRM hosted by SPFU Tamil Nadu at Hotel Trident Hilton, Chennai from 18.01.2007 to 19.01.2007.*
			* *7th JRM at National Institute of Technology, Surathkal from 05.06.2007 to 07.06.2007*
			* *8th JRM at Bangalore on 28.1.2008*
			* *9th JRM at Noida on 1.7.2008*
* **Membership in Professional Bodies :** ISTE Life Member (LM 72334)

**LIST OF PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:**

1. **M. Shyamala.** and A.Arulanantham**,** ‘*Ocimum sanctum* (Tulasi) as Corrosion Inhibitor on Mild Steel in Hydrochloric Acid’, **(2008),** *Nature Environment & Pollution Technology*, Vol. 7, No. 3, pp.415 -422**.**
2. **M. Shyamala** and A.Arulanantham, ‘Corrosion Inhibition Effect of *Centella asiatica* (Vallarai) on Mild Steel in Hydrochloric Acid’ , **(2009),** *Asian Journal of Chemistry* , Vol.21, No.8, Article No.45, pp.6102 -6110.
3. **M. Shyamala** and A.Arulanantham, ‘*Eclipta Alba* as Corrosion Pickling Inhibitor on Mild steel in Hydrochloric Acid’, **(2009),** *Journal of Materials Science & Technology* (JMST). Vo.25, No.5, pp.633-636.
4. **M. Shyamala** and A.Arulanantham**,** ‘*Aegle marmelos* as effective corrosion pickling inhibitor on Mild Steel in Hydrochloric acid’, **(2009),** *Nature Environment & Pollution Technology*, Vol. 8, No. 3, pp.465-471**.**
5. **M. Shyamala and** P.K. Kasthuri, ‘A Comparative Study of the Inhibitory Effect of the Extracts of *Ocimum sanctum, Aegle marmelos,* and *Solanum trilobatum*on the Corrosion of Mild Steel in Hydrochloric Acid Medium’, **(2011),** International Journal of Corrosion, Vol. 2011, Article ID 129647, 11 pages.
6. **M. Shyamala and** P.K. Kasthuri, ‘The Inhibitory Effect of the Extracts of *Adathoda vasica, Eclipta alba,* and *Centella asiatica* on the Corrosion of Mild Steel in Hydrochloric Acid Medium: A Comparative Study’, **(2011),** International Journal of Corrosion, Vol. 2012, Article ID 852827, 13 pages.
7. V.Rajasekar and **M.Shyamala**, “Corrosion Inhibitive properties and adsorption behavior of aqueous extract of Thuthuvalai as green corrosion inhibitor for mild steel in acidic medium” **(2016),** Annals of Chemical and Medical Sciences, Vol 2, Issue 1, pp 08-15
8. **Moorthy Shyamala** and Arthanas Arulanantham, “A Comparative study on the inhibitory action of some green inhibitors on the corrosion of mildsteel in Hydrochloric acid medium” **(2017),** Malaysian Journal of Analytical Sciences, Vol.21, No.2 (2017), pp.346-355.

**NATIONAL JOURNAL:**

1. **M. Shyamala** and A.Arulanantham, ‘Inhibition of Mild Steel Corrosion using *Solanum xanthocarpum* in Hydrochloric Acid Medium’, **(2009),** IJEST, Vol. 3, No.1, pp.46-52.

**BOOKS**

1. **M. Shyamala, “**Plant extracts as Corrosion inhibitors”, **2013,** *Lap Academy Publishing*

**LIST OF PAPER PRESENTATIONS IN NATIONAL and INTERNATIONAL CONFERENCES:**

1. **M.Shyamala**, R. Saratha, C.Marrikannu and S.Sivakamasundari, “The Effect of Hexadecylamine and Octadecylamine as corrosion inhibitor on Mild Steel”, **(2000),** 8th National Tamil Science Congress, February 24-25, 2000 at CECRI, Karaikudi.
2. **M.Shyamala**, R.Saratha and S.Sivakamasundari, (2002) “Effect of long chain amines on the corrosion behaviour of mild steel in acid medium”, GLOCORR 2002, International Congress on Emerging Corrosion Control Strategies for the New Millenium, Organized by NCCI & CECRI, Karaikudi, 20 -22 February 2002, at New Delhi.
3. **M. Shyamala** and A. Arulanantham, ‘*Adathoda vasica* as corrosion inhibitor on mild steel in hydrochloric acid’, **(2007),** Fourteenth National Convention of Electrochemists (NCE -14) held at IGCAR, Kalpakkam.
4. **M. Shyamala** and A.Arulanantham, **“**The Corrosion inhibition effect of *Solanum trilobatum* on mild steel in Acidic Medium”, **(2008),** Fourteenth National Congress on Corrosion Control, Organized by NCCI & CECRI, Karaikudi, held at Hyderabad.
5. **M. Shyamala** and P.K.Kasthuri, ‘Inhibitory Effect of some Ecofriendly inhibitors on the Corrosion of Mild Steel in Acid Medium’, **(2009),** National Conference on Recent Advances in Textile and Electrochemical Sciences (RATES -2009), held at Alagappa University, Karaikudi,Dec 4-5, 2009, Abs: CS-19.
6. P.K.Kasthuri and **M.Shyamala,** *‘Croton sparciflorus* (Amman patcheri) as corrosion inhibitor on Mild Steel in Hydrochloric acid medium’, **(2009),** National Conference on Recent Advances in Textile and Electrochemical Sciences (RATES -2009), held at Alagappa University, Karaikudi,Dec 4-5, 2009, Abs: CS-16.
7. D.Jeeva, **M.Shyamala**, P.Mohan, A.Subramania , “Influence of *Phyllanthus amarus* extract for the corrosion inhibition of mild steel in hydrochloric acid medium”, **(2009),** National Conference on Recent Advances in Textile and Electrochemical Sciences (RATES-2009), Alagappa University, Karaikudi, Dec 4-5, 2009, Abs: CS-7.
8. P.Mohan, **M.Shyamala**, S.Kasturibai, A.Subramania, “Influence of *Cynodon dactylon* extract for the corrosion inhibition of mild steel in hydrochloric acid medium”, **(2009),** National Conference on Recent Advances in Textile and Electrochemical Sciences (RATES-2009), Alagappa University, Karaikudi, Dec 4-5, 2009, Abs: CS-8.
9. P.K.Kasthuri and **M.Shyamala,** “Eco-Friendly Extract of *Euphorbia Hirta* as Corrosion inhibitor on mild steel in sulphuric acid medium”, **(2009),** National Conference on Corrosion Assessment and its Control, Thiagarajar College of Engineering, Madurai in collaboration with NCCI & CECRI, Karaikudi, **Dec 21-22, 2009**, Abs: 5.3, p.48.
10. **M.Shyamala** and P.K.Kasthuri, “The inhibitory Effect of *Tridax Procumben* Extract on the Corrosion of Mild Steel in 1M HCl medium”, **(2009),** National Conference on Corrosion Assessment and its Control, Thiagarajar College of Engineering, Madurai in collaboration with NCCI & CECRI, Karaikudi, **Dec** **21-22, 2009,** Abs: 5.14, p.55.
11. **M. Shyamala** and P.K.Kasthuri, “Influence of *Solanum xanthocarpum* extract for the corrosion inhibition of mild steel in acidic medium”, (**2010)**, National Conference on Recent Advances in Electroanalytical Techniques, Gandhigram Deemed University, Dindigul, February 25-26, 2010, PP-55, page 9.
12. P.K.Kasthuri and **M. Shyamala** , “Influence of some bioextracts on the corrosion of mild steel in acidic media”, **(2010),** National Conference on Recent Advances in Electroanalytical Techniques, Gandhigram Deemed University, Dindigul, February 25-26, 2010, OP-55, page 33.
13. **M. Shyamala**, “The Inhibitory effect of the aqueous extract of *Ocimum Sanctum* on the corrosion of mild steel in Hydrochloric acid medium” **(2013),** *“*4thInternational Conference for Young Chemists 2013 - Chemistry Empowering Science Beyond Boundaries*”****,*** School of Chemical Sciences, Universiti Sains Malaysia, Penang, Malaysia to held from 30.1.2013 to 1.2.2013
14. **M. Shyamala** and A.Arulanantham, “Corrosion Inhibition Effect of *Aegle marmelos* on mild steel in 1N Hydrochloric acid” **(2013)** in the “Proceedings of 6th International Congress of Environmental Research” held from 19-21st December 2013 at Maulana Azad College of Arts, Science & Commerce, Aurangabad, India
15. V.Rajasekar, **M.Shyamala** and V.Thangaraj, “Application of Statistical Approach to evaluate the inhibition of corrosion by eco friendly products – A review” **(2014)** , Seventeenth National Congress on Corrosion Control, CECRI and NCCI, Karaikudi, 21-23, August 2014.
16. “Comparative column studies of chemically modified Ion Exchange Resin with Agglomerated Adsorbents for fluoride removal”. **“Chemistry and Environment Symposium ICASIT 2015”organized by Universiti Teknologi MARA, Malaysia from 24–26 February, 2015.**
17. “A Comparative Study on the Inhibitory Action of some Green Inhibitors on the Corrosion of Mild Steel in Hydrochloric Acid Medium” **“Chemistry and Environment Symposium ICASIT 2015”organized by Universiti Teknologi MARA, Malaysia from 24–26 February, 2015.**