


# Sri Sai Ram Engineering College

## Department Of Humanities And Sciences

Name : <b>Dr. T. Vennila</b>	
Designation :	Associate Professor
Qualification :	M.Sc., B.Ed., M.Phil., Ph.D.
Area of Specialisation	Chemistry
Experience :	Teaching : UG :8 PG : Nil Industry : 2yrs 8 months
No. of Workshop / Conferences / FDP attended	10
Publication :	Journal: National : nil International : 10
	Conference National : 4 International : 1
Research Guidance :	Nil
General :	Nil
Staff Achievements	Produced 100% result in J.J Engg. College. Trichy.2019 STARTED WORK COLLABORATION WITH UNIV OF CHILE SANTIAGO, CHILE.

**Educational Qualification:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.,	Chemistry	2000	P.S.G.R.K. College for Women	Bharathiar	72%	First class
PG	M.Sc.,	Chemistry	2002	P.S.G.R.K. College for Women	Bharathiar	70.02%	First class
	M.Phil	Chemistry	2005		Bharthidasan	82%	First class with distinction
	Ph.D	Chemistry	2018		Mother Teresa Women's University		

**Academic Experience**

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
J.J. College of Engineering Trichy	Lecturer	02.07.2007	Feb 2008	-	8	-
Tagore College of Arts & Sciences	Lecturer	01.08.2012	30.03.2014	1	8	-
Sri Sai ram Engineering College	Assistant Professor	16.06.2014	Till date	6	1	-
<b>Total</b>				<b>8</b>	<b>5</b>	<b>0</b>

## Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
M.M. FORGINGS. LTD - PADAPAI	Instructor	Teaching	01.03.2008	30.12.2010	2	8	
Total					2	8	

## PUBLICATIONS

### Journals:

1. Kiruthika, M., Elayaperumal, R., & **Vennila, T.** (2012). Synthesis and antifungal potential of a ruthenium (II) complex. *Der Chemica Sinica*, 3(5), 1175–1180.
2. Kiruthika, M., Elayaperumal, R., **Vennila, T.**, & Dharmalingam, P., (2012). Synthesis, Characterisation and Biological Studies of a Mixed Ligand Ruthenium (II) Complex. *Journal of Pharmacy Research*, 5(9), 4849–4852.
3. Mathiyalagan, K., Gopal, S., Ramasamy, E., & **Vennila, T.** (2012). In-vitro antimicrobial screening of ferrocene derived compounds. *International Journal of ChemTech Research*, 4(4), 1775–1781.
4. Kiruthika, M., Elayaperumal, R., & **Vennila, T.** (2013). Synthesis, Characterisation and DNA Interaction of a Mixed Ligand Ruthenium (II) Complex. *International Journal of ChemTech Research*, 5(4), 1839–1846.
5. Gowrani, T., Manjula, P., Nirmala Baby, C. M., Sudha, K. N., & **Vennila, R.** (2015). Thermodynamical Analysis of MBTA on the Corrosion Inhibition of Brass In 3% NaCl Medium. *International Journal of Nano Corrosion Science and Engineering*. 2(1), 12–21.
6. **Vennila, T.**, & Manjula, P. (2016). Corrosion inhibition, Adsorption Behaviour and Thermokinetic Characteristics of 1-Benzyl-3-Hydroxy-1-H-Indazole on Mildsteel in Neutral Medium. *International Journal of Innovative Research in Science, Engineering and Technology*. 6(6), 9407–9416.
7. **Vennila, T.**, & Manjula, P. (2016). Synergistic Influence of Sodium Meta Vanadate on Corrosion Inhibition Efficiency of 1-Benzyl-3-Hydroxy-1-H-Indazole on Mild Steel in Aqueous Medium Containing 60ppm Cl<sup>-</sup> ion. *International Journal of ChemTech Research*. 9(7), 205–214.
8. Manonmani, K., Manjula, P., & **Vennila, T.** (2016). Anti-Corrosion Ability and Biocidal Efficiency of Surfactants on Mild Steel in Aqueous Environment. *IRA-International Journal of Technology & Engineering (ISSN 2455-4480)*, 3(3), 110–126.
9. **Vennila, T.** (2017). Biocidal Efficiency of Surfactants-CTAB and SDS on the Corrosion

Inhibition Performance of Binary Inhibitor (BHI-Zn<sup>2+</sup>) System on Mild Steel in Aqueous Medium. *Kaav International Journal of Science, Engineering & Technology*, 4(1), 21–38.

10. Maruthupandy, M., Rajivgandhi, G., Muneeswaran, T., **Vennila, T.**, Quero, F., & Song, J. M. (2019). Chitosan/silver nanocomposites for colorimetric detection of glucose molecules. *International Journal of Biological Macromolecules*, 121, 822–828.
11. **Vennila, T.**, Muneeswaran, T., Manjula, M., Stalin, B., & Vairamuthu, J. (2019). Synergism between Sodium Molybdate and Binary Inhibitor (BHI+Zn<sup>2+</sup>) on corrosion inhibition of Mild steel in Aqueous Medium containing 60 ppm Cl<sup>-</sup> ion. *Materials Research Express*, 6, 1165g6.
12. Sathyavathi Sundararaju<sup>1</sup> & Arumugam Manjula & Vignesh Kumaravel & Thillaichidambaram Muneeswaran & **Thirumalaisamy Vennila (16th Jan 2020)**. Biosorption of nickel ions using fungal biomass *Penicillium* sp. MRF1 for the treatment of nickel electroplating industrial effluent. *Biomass conversion and Bio refinery* <https://doi.org/10.1007/s13399-020-00679-0>

## Conferences:

### International:

- International corrosion prevention symposium for research scholars Presented paper on “Thermodynamical analysis of corrosion inhibition of ATMP-Cd<sup>2+</sup> system on mild steel in aqueous medium” on July 31<sup>st</sup> and August 1, 2015.

### National:

- Electrochemical investigation on the corrosion inhibition of mild steel by sodium metavanadate in aqueous media containing 60 ppm Cl<sup>-</sup> ions in NCEA-2018 at Valliammai Engineering College (SRM Group of Institution).
- Participated in National conference on “Current Trends in Energy Conversion Devices & Environment”, 22<sup>nd</sup> and 23<sup>rd</sup> February – 2019, organized by P.G. Department of Chemistry, Selvam Arts and Science College, Namakkal- 637 003.
- Presented paper titled “Synergistic effect of SMV of corrosion on mild steel” corrosion in National conference, March 2<sup>nd</sup>-2020 “ENVIRONMENTAL SUSTAINABILITY HEALTH AND POLLUTION ABATEMENT” in M.S.S WAKF BOARD COLLEGE, Madurai

## Workshops:

1. Research methodology for Ph.D Scholars held for two days(2016)
2. National level workshop on “ADVANCEMENTS IN CHEMICAL SCIENCES” at SIT college Chennai.(2016)
3. Training course on “CORROSION PREVENTION AND CONTROL” at IIT Madras, Chennai.(2014)
4. Workshop on “PROMOTION OF RESEARCH AND FACULTY DEVELOPMENT IN TECHNICAL INSTITUTIONS”. (2008).
5. Workshop on Hands -on CALIBRATION WORKSHOP ON ESA&ESU G.K.M College. (7/9/2019).Executed by HELIX.
6. Online workshop on Recent Advance in Science and Technology of Concrete organized by IIT MADRAS Chennai India. Saturday 2nd 2020

## FDP:

- Course on “Infra Red Spectroscopy for Pollution Monitoring” during August to September, 2019 conducted by NPTEL–AICTE Faculty Development Programme.
- Working Culture for Professionals by ISTE Sri Sairam Engineering College 11.11.2019 to 16.11.2019
- AFM & FTIR Based Material Testing for Research Aarupadai Veedu Institute of Technology 17.12.19 to 18.12.19
- AICTE recognised FDP on **IOT by CS &Engineering dept** from 10/04/2020 to 14/04/2020 (One Week)at NITTTR, Chandigarh
- AICTE recognised FDP on **Environment and Sustainable Development** from 18-05-20 to 22-05-20 (One Week) Organized by **Rural Development Department NITTTR, Chandigarh**
- AICTE recognised FDP on **Recent Advances in Material Characterization** from 23/05/2020 to 28/05/2020 (One Week) Organized by **Mechanical Engineering Department NITTTR, Chandigarh**
- 3-Days Faculty Development Programme on “RESEARCH METHODOLOGY” through Webinar conducted by the PG & Research Department of Biotechnology, Bon Secours College for Women, Thanjavur from 29th April to 1 st May, 2020.

## **Trainings:**

- Internal auditor course on “ISO 9001: 2008 Quality Management System and Audit Training” on 1<sup>st</sup> October 2014 conducted by Creative Management Consultants, Chennai.
- Internal auditor course on “ISO 9001: 2015 Quality Management System and Audit Training” on 8<sup>th</sup> June 2018 conducted by Creative Management Consultants, Chennai.

## **Book chapters: 1**

- Muneeswaran T, Maruthupandy M, Vennila T and Franck Q. Nano-Biomaterials for Therapeutic and Diagnostic Applications in “Applications of Multifunctional Nanomaterials, Elsevier, 2020 (under review)