

## RESUME

Name : Dr S. VELRANI  
 Department : Chemistry  
 Designation : Assistant Professor  
 Category : Aided  
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 Email Id : [velraniprabu@gmail.com](mailto:velraniprabu@gmail.com)  
 Date of Birth : 09.03.1978  
 Date of Joining : 25.02.2016  
 Date of Retirement : 31. 03.2036



### Qualification:

Sr.	Category	Name of the Degree	Specialization	Year of Passing	Name of the College/University	% of Marks / Grades Obtained	Class Obtained
1	PG	Ph.D	Chemistry	2015	Thiagarajar College, Madurai/Madurai Kamaraj University	-	-
2	PG	M.phil	Chemistry	2001	A.N.J.A.College, Sivakasi/Madurai Kamaraj University	76.02% (First with distinction)	I
3	PG	M.Sc	Chemistry	2000	S.V.N.College Madurai/Madurai Kamaraj University	65.83 %	I
4	UG	B.Sc	Chemistry	1998	A.P.A.College Palani/Madurai Kamaraj University	67.00 %	I
5	HSC	12 <sup>th</sup>	Pure Science	1995	Government Higher.Sec. School. Kadamalaikundu	69.58%	I
6	SSLC	10 <sup>th</sup>	General	1993	Government Higher.Sec. School. Kadamalaikundu	76.02%	I

**Academic Experience:**

Name of the College	Whether Aided/SF	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
T.M.H.N.U. Metric higher secondary school, Theni.	SF	Teacher	19.09.2001	25.05.2002	-	8	6
P.K.N.College of Arts and Science, Thirumangalam	SF	Lecturer	15.07.2002	28.08.2002	-	1	13
			19.12.2005	31.03.2006		3	12
Thiagarajar College (Autonomous), Madurai	SF	Teaching Assistant	03.07.2009	30.04.2012	2	9	27
Karpagam University, Coimbatore	SF	Assistant Professor	06.08.2012	03.07.2015	2	11	28
Kamaraj College (SF), Tuticorin	SF	Assistant Professor	24.08.2015	24.02.2016	-	6	-
Kamaraj College, Tuticorin	Aided	Assistant Professor	25.02.2016	Till date	4	8	-
				Total	8	45	86

**Number of Ph.D scholars registered:**

Sr.	Name of the Scholar	Register Number	Year of Registration	Name of the University
	M. VijilaGnanaselvi	20112102032005	2020	ManonmaniumSundaranar University

**Papers Published: 8**

Sr.	Name of the Author	Title of the Paper	Name of the Journal	Year	Vol. No. Issue No.	Page No	Impact of Factor
1	<u>S. Velrani</u> , P.Muthukrishnan, B. Jeyaprabha, P. Prakash	Corrosion Inhibition of Mild Steel By 1-Benzyl-3-Methylimidazolium Chloride in 2MH <sub>2</sub> SO <sub>4</sub>	<i>International Journal of Engineering Research &amp; Technology</i>	2014	3 (4)	2704-2720	Scopus

		And 3.5% NaCl Media					
2	<u>S. Velrani</u> , B. Jeyaprabha, V. Balachandran and P. Prakash	Electrochemical Studies of Mild Steel Corrosion Inhibition By 1-Butyl-3- Methylimidazolium Chloride In 2M H2SO4 medium	<i>Journal of Applicable Chemistry</i>	2014	3 (4)	1636- 1648	1.211
3	<u>S. Velrani</u> , B. Jeyaprabha, P. Prakash	Thermodynamic characterization of metal dissolution and inhibitor adsorption processes on mild steel by 1-hexyl-3- methylimidazolium chloride in 2M sulphuric acid medium	<i>International Journal of Research in Engineering and Science,</i>	2014	2( 11)	38-50	3.541
4	<u>S. Velrani</u> , B. Jeyaprabha, P. Prakash	Inhibition of mild steel corrosion in 3.5% NaCl medium using 1-butyl- 3-methylimidazolium chloride	<i>International Journal of Innovative Science, Engineering &amp; Technology</i>	2014	1 (10)	57-69.	0.611
5	<u>S. Velrani</u> , B. Jeyaprabha, P. Prakash	1-hexyl-3- methylimidazolium chloride as corrosion inhibitor for mild steel Chloride medium	<i>Roots International Journal of Multidisciplinay Researches</i>	2015	1 (1)	110-124	4.075
6	<u>S. Velrani</u> & R. Mahalakshmi	Investigation of inhibition effect of naphthylchalcones on mild steel corrosion in sulphuric acid medium	<i>RASAYAN J. of Chem</i>	2015	8 (2)	156-160	1.22
7	V. ShanmugaPriya, C. Umarani, V. Balachandran, <u>S. Velrani</u>	Electrochemical studies of corrosion of mild steel inhibition using some substituted Piperidin- 4-one with	Der PharmaChemica	2017	9(10)	93-100	0.32

		semicarbazone in an acidic medium					
8	V. ShanmugaPriya, C. Umarani, V. Balachandran, <u>S. Velrani</u>	Synergistic effect of halide ions on the corrosion inhibition of mild steel in sulphuric acid using methyl, n-methyl ethyl and ethyl substituted-2,c-6-diphenyl piperidin-4-one semicarbazones	Surface Review and Letters	2018	25 (2)	1850050	0.748

**Conference / Seminar / Workshop / Orientation / Refresher Course / Symposia / Training Programme Attended:**

Sr.	Theme	Place	International / National / State Level	Year	Resource Person / Paper Presentation / Participation
1	workshop on “Nuclear Chemistry” under UGC Innovative programme	Thiagarajar College, Madurai	National	20.09.2009	Participation
2	workshop on “Removable of Dyes from textile effluent using low cost adsorbents”	AyyaNadarJanakiAmmal College, Sivakasi	State Level	23.07.2010.	Participation
3	“National Science Exhibition Day”	SACS MAVMM College of Engineering, Madurai.	State Level	2010	Participation
4	Science AcademeisLecture-Workshop on Modern	Lady Doak College, Madurai	National	2011	Participation

	Trends in Chemistry				
5	state level workshop on 'Recent Advances in nano science'	MSS Wakf Board College	State Level	10.03.2011	Participation
6	workshop on "Chemistry-Our life-Our future"	Alagappa university, karaikudi	National	22 .12. 2011 and 23.12.2011	Participation
7	"Research Philosophies and Methods"held under the direction of Dr. A. Raman, Charles Sturt University, Orange, NSW 2800, Australia	Thaigarajar College	International	12.01.2012	Participation
8	"Enhancement of Internal Quality" organized by NAAC-IQAC	Thaigarajar College	State level	27.03.2012	Participation
9	"Reformation in Examination systems" conducted by office of the controller of Examinations	Thaigarajar College	State level	22.03.2012	Participation
10	'Recent Developments in chemistry'	Scott Christian College, Nagarcoil	National	21.10.2016 and 22.10.2016	Participation
11	'Corrosion Awareness day' conducted by National Corrosion council of India, Karaikudi	St.mary's College, Tuticorin	National	06.04.2017	Participation
12	"Recent Trends in Microbiology, Biotechnology and	V.O.C.College, Tuticorin	National	30.8.2017 and	Participation

	Bioinformatics” organized by Department of Botany.			31.8.2017	
13	Three days Lecture workshop on “Emerging trends in Inorganic Chemical Biology” organized by the Department of Chemistry,	Devanga Arts College, Aruppukottai	National	29.01.2018-31.01.2018	Participation
14	one day Workshop on “Basic intensive training on Bee Keeping” organised by the PG Department of Zoology,	Kamaraj College, Tuticorin.	National	03.01.2019	Participation
15	International conference on Science Engineering and Technology	Department of Mechanical Engineering, VIT University,Vellore	Internatioal	17.11.2012-18.11.2012	Presentation
16	International conference on Biological Inorganic Chemistry-ICBIC-2013	Periyar University, Salem	Internatioal	20.02.2013-22.02.2013	Presentation
17	International conference on “Chemistry-Frontiers & Challenges” organized by Post Graduate and Research Department of Chemistry,	PSGR krishnammal College for Women, Coimbatore	Internatioal	05.02.2014-07.02.2014	Presentation
18	Cancer Biology: Drug discovery and Novel Therapeutics	Department of Zoology and Chemistry, SaivaBhanu Kshatriya College, Aruppukottai	Internatioal	29.09.2016-30.09.2016	Presentation
19	“Multidisciplinary Research in Chemistry”	Sri Sarada College forwomen,Tirunelveli	Internatioal	06.09.2017	Presentation

20	International Conference on "Functional Materials"	Thiagarajar College, Madurai	International	07.09.2017-08.09.2017	Presentation
21	CSIR, DRDO & TNSCST sponsored National seminar on "Modern Trends in Chemistry"	Thiagarajar College, madurai	National	24.09.2009-25.09.2009	Presentation
22	National conference on Emerging Trends in Chemistry	Bishop Heber College, Trichy	National	11.01.2012	Presentation
23	National conference on Global opportunities for recent developments in science and technology	Department of Biochemistry Rev. Jacob memorial Christian College, Dindigul	National	08.02.2013	Presentation
24	UGC sponsored One –Day National level Seminar	Sri GVG visalakshi College for Women, Udumalpet	National	30.12.2014	Presentation
25	Frontier Areas in Chemistry	Thiagarajar College, Madurai	National	26.02.2015-27.02.2015	Presentation
26	Advanced materials and their applications	V.O.C. College, Tuticorin	National	21.01.2016-22.01.2016	Presentation
27	Seaweed Mariculture- A Prospective Biotechnology for Coastal Economy	Kamaraj College, Tuticorin	National	05.10.2017-06.10.2017	Presentation
28	Guest lecture on Group theory and its applications	St. Xaviers College (Autonomous), Palayamkottai.	State level	28.02.2020	Participation
29	Empowering Teachers in the art of Teaching and Learning	Annammal College of Education for women, Tuticorin.	State level	15.02.2020	Participation

**Other Relevant Information:****Research details**

Ph.D thesis entitled “Experimental and theoretical investigation of some organic compounds as a corrosion inhibitors on mild steel in different media” in Thiagarajar College under the guidance of Dr. P. Prakash, Assistant professor, Department of Chemistry, Thiagarajar College, Madurai.

**Invited Talk:**

Served as Resource speaker and acted as a Chair person for paper presentation in the State level seminar on “Corrosion management in daily life-CMD-17” Organized by Department of Chemistry, Sakthi College for Women, Oddanchatram on 18.08.2017.

**Orientation programme**

Participated in the UGC-sponsored Orientation Programme conducted by UGC- Human Resource Development Centre, Madurai Kamaraj University, Madurai held from 16.11.2018-13.12.2018 and obtained “A” Grade.

**Course conducted**

1. Conducted and in-charge of the Certificate course entitled on “Processing of consumer products” for the III-B.Sc Chemistry, Kamaraj College, Thoothukudi in the academic year 2017-2018.
2. Acted as Co-ordinator in the Chemistry Association, Department of Chemistry during the academic year 2017-2018.
  - Organized Chemistry association meeting-I on the Topic “Industrial Safety” in the Department of Chemistry, Kamaraj College, Tuticorin.
  - Organized Chemistry association meeting-II in the Department of Chemistry, Kamaraj College, Tuticorin.

**Organizing Programme**

1. Acted as mentor and organising committee, Inspire internship-2018 sponsored by department of science and technology, organised by Department of Chemistry, Kamaraj College, Tuticorin, during December 26- December 30, 2018.
2. Acted as mentor and organising Secretary (Convener) in the State Level Seminar on Frontier Areas in Chemistry (FAC-2019) on 22.02.2019 held at Department of Chemistry, Kamaraj College, Tuticorin.

It is certified that all the information provided are true to the best of my knowledge.