

**Aditanar College of Arts and Science
Virapandianpatnam – 628216
Tiruchendur
Bio - Data**



Name of the Department : Chemistry

Name of the faculty member : Dr. P. DEEPA R ANI

Qualification : M.Sc.,M.Phil.,Ph.D.,

Present Designation : Assistant Professor

Vidwan id : 418573

Residential Address : 526/16 main street, kurinji nagar,
Veerapandianpattanam,
Tiruchendur, Tamilnadu.

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Email : deparani08071984@gmail .com.

Gender : Female

Community : SC

Date of Birth and Age : 25.12.1983 & 40 years

Date of joining : 18.07.2013

Date of Retirement : 18.07.2043

I.Particulars of 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	2004	Sri Parasakthi college	M.S. university	69%	I
PG	M.Sc	Chemistry	2006	Sri Paramakalyani College	M.S. university	59%	II
M. Phil	M.Phil	Chemistry	2008	Periyar university	Periyar university	81%	I
Ph.D.	Ph.d	Chemistry	2012	Sri Paramakalynani College	M.S. university	72%	I

II Additional Qualification :

NET/SLET

III Title of Ph.D. Thesis :

Adsorption and inhibition efficacy of green inhibitor on metals in acid and natural sea water environment.

IV Faculty/Discipline/Subject in which Ph.D. was awarded :

List of Publications

: 36 (Details Attach separate sheet)

No. of Candidates Completed Ph.D. under your Guidance

: 2 (Details Attach separate sheet)

No. of candidates doing Ph.D. under your Guidance

: 3 (Details Attach separate sheet)

V Academic Experience:

Name of the College	Whether Govt/Aided/S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Aditanar College of Arts and Science, Tiruchendur	Aided	Assistant Professor	18.07.2013	Till date	10	3	1
Total					10	3	1

VI Administrative/other Experience :

i Member, Health Club

ii Member , IIC

VII Other Relevant Information :**List of Publications**

Title of the Paper	Name of the authors	Name of journal	Year	Volume, Issue,	Page No,	ISSN number
Adsorption and electrochemical studies of thio acetamide inhibitor on gas pipeline metal in natural sea water environment. <u>10.31838/ecb/2023.12.s3.425</u>	Mathu Sudhan.M , Deepa Rani. P Kavitha .C	European chemical bulletin	2023	12(S3)	3584-3603	2063-5346
Electrochemical and adsorption studies of p-Tolyl sulfoxide inhibitor on gas pipeline metal in natural sea water environment.	Mathu Sudhan.M , Deepa Rani. P	European chemical bulletin	2023	12(S3)	5251-5270	2063-5346
Adsorption and electrochemical behavior of Cyperus Rotundus on oil and gas pipeline steel in 1 N HCl.		European Chemical Bulletin	2023			2063-5346
Inhibition studies on Mild steel using stachytarphyta Jamainensis leaf extract.	C.Sangeetha, Deepa Rani. P	Neuro Quantology	2022	20(2)	2549-2555	1303-5150
Corrosion behaviour of sodium methane sulfinate inhibitors on gas pipeline metal in natural seawater environment.	Mathu Sudhan.M , Deepa Rani. PS.Selvaraj, K. Kalirajan , Malarvizhi	Neuro Quantology	2022	20(11)	5440-5454	1303-5150
Protectiv effect of Toddalia Asatica leaf extract on mild steel in 1.0N Hcl Jatropa gossyfoliia- A green inhibitor act as anticorrosive agent on carbon Steel.	C.Sangeetha, Deepa Rani. P, Selvaraj.S, Kalirajan. K	Journal of Advanced Applied Scientific Research	2021	11(1)	180-186	2454-3225
Jatropa gossyfoliia- A green inhibitor act as anticorrosive agent on carbon Steel.	C.Sangeetha, C. Chinnakani Deepa Rani. P, Selvaraj.S, Kalirajan. K	Journal of advanced scientific research	2020	11(1)	180-186	0976-9595

Morphological and electro-chemical approaches of mild steel in acid media using green inhibitor	Michlin Ruphina Maragatham.S, Bright.A, Deepa Rani. P, Selvaraj.S	Studia Rosenthaliana (journal for the study of research –web science group	2020	12(1)	97-105	0039-3347
Generation of thermodynamic parameters by adsorption studies on mild steel using stachytarphyta jamainensis leaf extract’,	C.Sangeetha, Malarvizhi, Deepa Rani. P, Selvaraj.S, Kalirajan. K	The International journal of analytical and experimental modal analysis,	2022	12(5)	196-204	0886-9367
Indigofera tinctoria leaf (itl) as an apt inhibitor for mild steel dissolution in acid media.	Michlin Ruphina Maragatham.S, Bright.A, Deepa Rani. P, Selvaraj.S	International Journal of Scientific Research and Review	2019	8(1)	646-654	2279-543X
Evolution of corrosion inhibition performance of Stachytarpheta jamaicensis leaf extract on mild steel in 1.0N HCl using electrochemical studies.		International Journal of Research and analytical Reviews	2019			
Activities of Couroupita Guianensis flower extract on Carbon steel in acid by electrochemical studies.	, C.Sangeetha, Deepa Rani. P, Selvaraj.S, Kalirajan. K	Journal of Scientific research and Reviews	2018	8(1)	2698-2706	2279-543X
Corrosion inhibition of mild steel in acid medium using talinum fruticosum as an eco-friendly inhibitor.	Michlin Ruphina Maragatham.S, Bright.A, Deepa Rani. P, Selvaraj.S	Journal of emerging technologies and innovative Research	2018	5(15)	727-733	2349-5162
Dissolution behavior of mild steel using raphanus sativus extract in 1n hydrochloric acid medium.	Michlin Ruphina Maragatham.S, Bright.A, Deepa Rani. P, Selvaraj.S	International Journal of Research and Analytical Reviews	2018	5(4)	229-238	2349-5138

Researchers

A. Scholars already Completed

Name & Address	Title	Register. No & Date of Commencement	Full Time/ Part Time	Completed
S. Michlin Ruphina Maragatham, Assistant Professor, Sarah Tucker College for Women, Tirunelveli.	Corroion behavior of mild steel using green plant extract in acid media	12630 03/05/2017	Part time	11.08.2021
C. Sangeetha Assistant Professor, Sri Parasakthi College, Courtallam.	Corrosion inhibition and absorption properties of Green plant extract on metals in acid environment	18111232032001 10/01/2018	Full Time	7.7. 2023

A. Ongoing Scholars

Name & Address	Title	Register. No & Date of Commencement	Full Time/ Part Time	Submitted
G. Chandra	Removal of toxic pollutants using polyaniline and chitosan composite	23122022032003 11/05/2023	Part Time	Doing
M. Mathusudhan	Dissolution behavior of carbon steel in acid Containing inhibitor	215147 10/02/2017	fullTime	Submitted
M. Bala	Inhibition Efficiency of Inhibitor on Metals	17221232032012 10/02/2017	Part Time	Submitted

Title of paper	Name of the authors	Name of journal	Year	Volume, Issue,	Page No,	ISSN number
Adsorption and electrochemical studies of thio acetamide inhibitor on gas pipeline metal in natural sea water environment.		European chemical bulletin	2023			
Electrochemical and adsorption studies of p-Tolyl sulfoxide inhibitor on gas pipeline metal in natural sea water environment.						
Adsorption and electrochemical behavior of Cyperus Rotundus on oil and gas pipeline steel in 1 N HCl						