



1. **Name:** Dr. R. RAVICHANDRAN
2. **Designation:** Assistant Professor & Head
3. **Date of Birth:** 10.03.1966
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6. Academic Qualifications :

Degree	Specialization	College / University	Month & Year of passing	Percentage of marks
Ph.D.	Electrochemistry	Anna University	2005	Highly Commended
M.Phil.,	Chemistry	University of Madras	2001	Highly Commended
M.Ed.,	Education	University of Madras	1995	56.5
B.Ed.,	Education	University of Madras	1990	57.6
M.Sc.,	Applied Chemistry	Gandhigram University	1989	76.6
B.Sc.,	Chemistry	Gandhigram University	1987	79.3

7. Teaching Experience: 26 years

8. Number of Ph.D .,: Guided – 1, Guiding -1

9. Number of M. Phil.,: Guided – 3, Guiding - 3

10. Papers published in refereed Journals:

Sl. No.	Title of papers	Author(s)	Name, volume number of Journal and year of publication.	Page No.	
				From	To
1	Effect of benzotriazole derivatives on the corrosion of brass in NaCl solutions	R. Ravichandran S. Nanjundan N. Rajendran	Applied Surface Science, Vol. 236, 2004 Elsevier Publications	241	250
2	Effect of benzotriazole derivatives on the corrosion and dezincification of brass in neutral chloride solution	R. Ravichandran S. Nanjundan N. Rajendran	Journal of Applied Electrochemistry, Vol. 34, 2004 Springer Publications	1171	1176
3	Influence of benzotriazole derivatives on the dezincification of 65-35 brass in sodium chloride solution	R. Ravichandran N. Rajendran	Applied Surface Science, Vol. 239, 2005. Elsevier Publications	132	142
4	Corrosion inhibition of brass by benzotriazole derivatives in NaCl solution	R. Ravichandran S. Nanjundan N. Rajendran	Anti-Corrosion Methods and Materials, Vol. 52, 2005. Emerald Publications	226	232
5	Electrochemical behavior of brass in artificial sea water. Effect of organic inhibitors	R. Ravichandran N. Rajendran	Applied Surface Science, Vol. 241, 2005. Elsevier Publications	449	458
6	Corrosion inhibition of new class of Substituted benzotriazoles on the brass-mm55 in artificial sea water	A.C. Jayasree and R. Ravichandran,	Asian Journal of Science and Technology, Vol. 4. 2013	212	219

7	Anti-Corrosive effect of N-[(benzylidene)-propyl]- benzotriazole and N-[(4-oxo-2-phenyl-1,3-thiazolidineimino)-propyl]-benzotriazole for admiralty brass in marine environment	A.C. Jayasree and R. Ravichandran,	International Journal of Current Microbiology and Applied Sciences, Vol. 3, 2014	515	526
8	Protective effect of N-[(benzylidene -propyl)-benzotriazole and N-[(4-oxo-2-phenyl-1,3-thiazolidineimino)-propyl]-benzotriazole for the control of corrosion of Cu-Ni (90/10) alloy in Sea water	K. Chandrasekaran, A.C. Jayasree, B.S. Alwar, R. Ravichandran,	International Journal of Corrosion, Vol. 69, 2014,	22941	22946
9	Thiadiazole derivatives as corrosion inhibitors for copper-nickel alloy in cooling water systems	K. Chandrasekaran, B.S. Alwar, R. Ravichandran,	1. International Journal of Current Research in Chemistry Vol. 8,, 2014	131	142
10	Inhibitive Effect of 2-(1H-benzotriazol-1-yl)phenylacetohydrazide and 2-(1H-benzotriazol-1-yl)acetopyrazolidine dione for the control of corrosion of admiralty brass in Natural Sea water	A.C. Jayasree, R. Ravichandran	Journal of Corrosion Science & Engineering Vol. 16, 2013		
11	Evaluation of New Class of Benzotriazole Derivatives as Corrosion Inhibitor for brass-mm 55 in Natural Sea Water by Electro analytical Techniques	A.C.Jayasree, K. Chandrasekaran, N. Ramalakshmi and R.Ravichandran	2. International journal of current Research in Chemistry and Pharmaceutical Sciences, Vol.1, 2014.	77	86

11	Inhibitive Effect of New Class of Pyrazole Derivatives for the Control of Corrosion of Copper-Nickel Alloy in Marine Environment' International journal of corrosion	N. Balamurugapandian and R. Ravichandran	International journal of corrosion, vol. 86 2015.	34847	34852
12	Corrosion Inhibition of Copper-Nickel Alloy by New Thiadiazole Derivatives in Natural Sea water – Electro-analytical and Surface Characterisation Study	N. Balamurugapandian and R. Ravichandran	International Journal of ChemTech Research Vol.7, 2015	2981	2987

11. Books Published:

Sl. No.	Title of Book	Author(s)	Name of the publisher and year of publication.	Total number of pages
1	Applied Chemistry (University of Madras)	R. Ravichandran	S.P.R. Publication, 2000	377
2	Practical Engineering Chemistry	R. Ravichandran	S.P.R. Publication, 2000	68
3	Applied Chemistry (Anna University)	R. Ravichandran	S.P.R. Publication, 2002	343
4	Engineering Chemistry	P. Gnanasundaram R. Ravichandran	S.P.R. Publication, 2005	381

12. List of Conferences / short term courses participated:

Conferences

1. **R. Ravichandran**, T.S.N. Sankaranarayanan and N. Rajendran 'Evaluation of suitable inhibitors to control the dezincification of brass in chloride and sulphate environments', Tenth National Congress on Corrosion Control held at Madurai during Sep. 6-8, 2000.
2. **R. Ravichandran**, N. Rajendran and T.S.N. Sankaranarayanan. 'Surface modification strategies for the control of Dezincification of brass alloys', International conference on Advances in Surface science and Engineering (INSURE – 2001) held at Chennai during Feb. 21-23, 2001.
3. **R. Ravichandran**, V. Raman, S. Nanjundan and N. Rajendran, 'Influence of benzotriazole and its derivatives on the inhibition of corrosion of brass in neutral aqueous chloride media', Eleventh National Congress on Corrosion Control held at Vadodara, July 17-19, 2003.
4. A.C. Jayasree and **R. Ravichandran**, A new class of substituted benzotriazoles on the corrosion inhibition of mild steel in hydrochloric acid, National Convention on Electrochemists, VIT University, Vellore on Feb.2, 2010
5. A.C. Jayasree and **R. Ravichandran**, Protective effect of benzotriazole derivatives towards corrosion of brass in marine Environment, National Conference on Recent Advances in Materials and Methods of Chemistry, SRM University on Feb. 2, 2010.
6. K. Chandrasekaran, A.C. Jayasree, B.S. Alwar and **R. Ravichandran**, 'Inhibitive effect of new class of benzotriazole derivatives for the control of corrosion of Cu-Ni alloy in natural sea water' International Conference on Chemistry-Frontiers and Challenges, PSGR Krishnammal College for Women, Coimbatore, Feb 5th – 7th 2014

Short term courses

1. 'Interfacial and Colloidal Phenomena', Indian Institute of Science (IISc), Bangalore during February 21– 25, 2000.
2. 'Instrumental Methods of Analysis for Engineers and Scientists' Indian Institute of Technology (IIT-Madras), Chennai during 10 – 14, March 2001.

13. Membership in Professional Bodies : The Society for Advancement in Electrochemical Science and Technology (SAEST), Karaikudi.