PROFILE

Name	: C. Mary Anbarasi
Designation	: Associate Professor
Department	: Chemistry
Date of Birth	: 22.02.1968
Date of Appointment	: 26.11.1993

CONTACT DETAILS:

Present Address : 15-10-12/2 Annai Therasa Street
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ACADEMIC

S. No.	Degree	University / Institution	Year of Completion
1	B.Sc.	Holy Cross College, Nagercoil	1988
2	M.Sc.	St. Joseph's College, Trichy	1990
3	M.Phil.	St. Joseph's College, Trichy	1991
4	Ph.D.	GTN Arts and Science College, Affiliated to Madurai Kamaraj university, Madurai	Waiting for Viva Voce

Total Experience **:** UG: 20 years, PG: 3 years

Area of Specialization/Interest **:** Electrochemistry & Corrosion

RESEARCH PUBLICATIONS:

International:

1. Y. Yesu Thangam, M. Kalanithi, **C. Mary Anbarasi** and S. Rajendran "Inhibition of corrosion of carbon steel in dam water by sodium molybdate - zn^{2+} system" *The Arabian Journal for Science and Engineering 34-2C(20090 41-60*
2. **C. Mary Anbarasi** and S.Rajendran, "Corrosion behaviour of carbon steel in Hexane Sulphonicacid" InternationalJournal of Advances in Engineering,Science and Technology, 1 (2011) 22-29
3. **C. Mary Anbarasi** and Susai Rajendran ", Inhibition of corrosion of carbon steel by heptane sulphonic acid Zn^{2+} system" Journal of electrochemical science and engineering2(1) (2012) 1-18 .
4. **C. Mary Anbarasi**, Susai Rajendran, N. Vijaya,M. Manivannan and T. Shanthi,"Corrosion inhibition by an ion pair reagent- Zn^{2+} system"Open corrosion Journal5 (2012) 1-7
5. **C. Mary Anbarasi** and Susai Rajendran, "Surface analysis of inhibitor film formed by Butane sulphonic acid –Zn^{2+} system on carbon steel in aqueous medium" Asian journal of chemistry 24,11(2012),5029-5034
6. **C. Mary Anbarasi** and Susai Rajendran,"Investigation of the inhibitive effect of Octane sulphonic acid-Zinc ion system on corrosion of carbon steel"Chemical engineering and communication,199:12,(2012) 1596-1609
7. **C. Mary Anbarasi**, S. Rajendran, M. Pandiarajan, andA. Krishnaveni,An Encounter with Corrosion inhibitors, European chemical Bulletin,*2(4),* (2013) 197-207
8. **C. Mary Anbarasi** and Susai Rajendran, "Surface Protection of Carbon Steel by Butanesulphonic Acid–Zinc ion System"Research Journal of Chemical Sciences 2(12),(2012) 21-26

National:

1. **C. Mary Anbarasi** and Susai Rajendran,"Surface protection of carbon steel by Pentane sulphonic acid- Zn^{2+} system"Journal of the electrochemical society of India,60-3 (2011) 115-122
2. **C. Mary Anbarasi** and S.Rajendran,'The Influence of Heptanesulphonic acid - Curcumin system on the corrosion of carbon steel in aqueous solution"Coatings & Anti Corrosion Engineering Review2-6 (2012) 30-33

Presentations (Last Five Years):

National: *Paper entitled,*

1. **Synergistic Effect of Sodium Molybdate-Zn^{2+} system on the corrosion Inhibition of Mild Steel in Sothuparai Dam Water"** in UGC, DRDO & CSIR sponsored National Seminar on Emerging Trends in Chemistry at C.P.A. College, Bodinayakkanur on 25th July 2008.

2. **Inhibition of Corrosion of carbon steel in Sothuparai Dam water by Sodium Molybdate- Zn^{2+} system** in National Seminar on Recent Trends in Physics at Jayaraj

Annapackiam College for Women, (Autonomous), Periyakulam on 23rd & 24th March 2009.

3. **Sodium Metavanadate-Curcumin system** as corrosion inhibitor for mild steel in the 15th National congress on corrosion control at Accord Metropolitan, Chennai on 16-18 Sep, 2010.
4. **Effect of N-1-Heptane sulphonic acid sodium salt on the corrosion behaviour of mild steel** in National on Emerging Trends in chemistry(ETC-3) atCPA College,Bodinayakanur, on 23-24,Sep,2010.
5. **Surface protection of carbon steel by Pentane sulphonic acid-Zn^{2+} system** in National symposium on Electrochemical Science and Technology atIndian Institute of Science, Bengaluru on 19-20, Aug,2011.
6. **Electrochemical and surface analysis studies on corrosion inhibition of carbon steel by heptane sulphonic acid-Zinc ion system** in National conference on Advanced Functional Materials and Applications at Kalasalingam University on 16-17 Dec,2011.
7. **The influence of Zinc ion and sodium 1-Hexane sulphonate on the corrosion of carbon steel in aqueous solution** in National conference on Emerging Trends in chemistry (NCETC-2012 at Bishop Heber College, Trichy on 11-01-12.
8. **Electrochemical and surface analysis studies on corrosion inhibition of Carbon steel by Heptane sulphonic acid- Curcumin system** in National conference on Trends in Renewable Energy sources, Applications & Technologies TRESAT-2012 at SathyaBama University,Chennai on 1-3, Feb 2012.
9. **Surface protection of carbon steel by Octanesulphonic acid-Zinc ion system** in National symposium on Recent development in chemistry at Srinivasan College of Arts and Science, Perambalur on 25-02-12.
10. **Surface protection of carbon steel by Heptanesulphonic acid –Zinc ion system** in national seminar on Topical Drifts in Nanotechnology and Bio-Inorganic Chemistry at N.S. College, Theni, on 7.09.12.
11. **Electrochemical and surface analysis studies on corrosion inhibition of Carbon steel by Octanesulphonic acid- Curcumin system** in National seminar on Recent Trends in Advanced Materials at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 5th & 6th February 2013.

International: *Paper entitled,*

1. **Synergistic inhibition effect of Zinc ion and sodium1-octane sulphonate on the corrosion of carbon steel in aqueous solution** in the International conference NACE Gateway India Section at Mumbai, India from 28-09-11 to 01-10-11

Number of Seminars/Conferences/Workshops Participated (Last Five Years): 19

PROJECT UNDERTAKEN – 1

Minor Research Project (Completed) : Period 1-2-2007 to 28-2-2009

Corrosion inhibition by Oxyanions