



INTERNATIONAL JOURNAL OF NANO CORROSION SCIENCE AND ENGINEERING.

Curriculum Vitae



Name : **C.Mary Anbarasi**

Designation : Associate Professor

Department : Chemistry, Jayaraj

Annapackiam College for
women (Autonomous)

Periyakualm

Date of Birth :22.02.1968

*Date of Appointment:*26.11.1993

Academic

S. N	Degree	University / Institution	Year of Completion
1	B.Sc	Holy Cross College, Nagercoil	1988

S. N	Degree	University / Institution	Year of Completion
2	M.Sc	St. Joseph's College, Trichy	1990
3	M.Phil	St. Joseph's College, Trichy	1991
4	Ph.D	Madurai Kamaraj University	2014

Total Experience: UG :21 years PG: 04 years

Area of Specialization/Interest: Electrochemistry & Corrosion

Research Publications :

International Publications:

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(2009) 41-60

2. C. Mary Anbarasi and S.Rajendran, “Corrosion behaviour of carbon steel in Hexane Sulphonic acid” *International Journal 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 engineering 2(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 Publication:

- 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

Seminars/Conferences/Workshops Participated:

1. UGC,DRDO & CSIR sponsored National Seminar on Emerging Trends in Chemistry at C.P.A. College, Bodi, on 25th July 2008
2. National Seminar on Christian Values for wholesome life at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 29th Aug 2008
3. CSIR sponsored National Seminar on Recent Trends in Chemistry(RTC-3) at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 26th & 27th February 2009
4. NAAC sponsored National Seminar on Quality and Relevance in Higher Education-New Challenges at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 2nd & 3rd March 2009
5. UGC Sponsored National Seminar on “Recent Trends in Physics at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 23rd & 24th March 2009
6. AICTE Sponsored National seminar on Advancements in corrosion control at Mepco shlenk Engineering College , Sivakasi on 30th and 31st July 2009
7. NAAC Sponsored National Seminar on Quality Enhancement Strategy- Towards Excellence at Yadava College, Madurai on 31st August and 1st September 2009
8. UGC Sponsored National Conference on Recent Trends in Chemistry (RTC-4) at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 18th & 19th February 2010
9. International Conference on Green Chemistry and Sustainable Environment at Holy Cross College, Trichy on 7th & 8th July 2010

10. 15th National congress on corrosion control at Accord Metropolitan, Chennai on 16-18 Sep, 2010
11. UGC,CSIR & DST sponsored National Seminar on Emerging Trends in Chemistry at C.P.A. College, Bodinayakanur, on 23rd & 24th September 2010
12. International Conference on Drug Design & Development at Nadar Saraswathi College of Arts & Science, Theni, on 21st January 2011
13. National Seminar on Green Chemistry at Fatima College, Madurai on 15th February 2011
14. National Seminar on Electrochemical Science and Technology at Indian Institute of Science, Bengaluru on 19th and 20th August, 2011
15. International Corrosion Congress NACE Gateway India Section at Mumbai, India from 28-09-11 to 01-10-11
16. IAS sponsored Lecture-Workshop on Recent Trends in Chemistry (RTC-5) at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 15th & 16th December 2011
17. National seminar on Recent development in chemistry at Srinivasan College of Arts and Science, Perambalur on 25-02-12
18. National Seminar on Topical Drifts in Nanotechnology and Bio-Inorganic Chemistry at N.S. College, Theni, on 7.09.12
19. CSIR sponsored National Seminar on Advanced Materials at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 5th & 6th February 2013

Conference Presentations :

National

1. Dr.Sr.Y. Yesu Thangam, M. Kalanithi and **C. Mary Anbarasi** presented a paper on **“Synergistic Effect of Sodium Molybdate-Zn²⁺ 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. Dr.Sr.Y. Yesu Thangam, M. Kalanithi and **C. Mary Anbarasi** presented a paper on **“Inhibition of Corrosion of carbon steel in Sothuparai Dam water by Sodium Molybdate- Zn²⁺ system”** in National Seminar on Recent Trends in Physics at Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam on 23rd & 24th March 2009.
3. **C. Mary Anbarasi** and S.Rajendran presented a paper on **“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. **C. Mary Anbarasi** and S.Rajendran presented a paper on **“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. **C. Mary Anbarasi and S.Rajendran** presented paper on **“Surface protection of carbon steel by Pentane sulphonic acid-Zn²⁺ system”** in National symposium on Electrochemical Science and Technology at Indian Institute of Science, Bengaluru on 19-20, Aug,2011
6. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“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. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“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. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“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. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“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. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“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. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“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

1. **C. Mary Anbarasi and S.Rajendran** presented a paper on **“Synergistic inhibition effect of Zinc ion and sodium 1-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

Research Experience: Funded research projects undertaken – 1

Minor Project : period 1-2-2007 to
28-2-2009

Title of research project : Corrosion inhibition by
Oxyanions

Research Guidance:

PG Projects : 3

UG Project:2

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