

RESUME

Dr.R.EPSHIBA

Email : chemistryncrc@gmail.com.

Objectives:

Utilize my experience and contribute towards healthy knowledgeable society by infusing my expertise to the student's at the most efficient way as possible.

Total Years of Experience

15 Years

Educational Qualification

Ph.D (chemistry), St.Joseph's college, Bharathidasan University, Trichy.

M.C.A. ,(69%),Madurai Kamaraj University, Madurai.

M.Phil. (Chemistry) ,(73%),Bharathidasan University, Trichy.

M.Ed. ,(60%),Madurai Kamaraj University, Madurai.

M.Sc.(Applied Chemistry) ,(67%),Thiagarajar College of Engineering, Madurai.

B.Ed., (63%),Sivanthi Aditanar college of Education, Tiruchendur.

B.Sc.(chemistry) , (86%),Sarah Tucker College, Palayamkottai.

Technical Skills

- MS-WINDOWS operating systems
- FT-IR Spectrophotometer,
- UV-visible and Fluorescence Spectrophotometer,
- Potentiometer
- pH meter
- Conductivity meter
- Flame photometer

Research Publications

1. **R.Epshiba**, A. Peter Pascal Regis and S. Rajendran "Inhibitive Effect of Aqueous Extract of Aloe Vera and Sodium Molybdate-Zn²⁺ System on Carbon Steel", *International Journal of Innovative Research in Science, Engineering and Technology*, 4(Special Issue 1), 2015, 39-46.
2. **R.Epshiba**, A. Peter Pascal Regis and S. Rajendran "Role Of Zinc Ions In Increasing Corrosion Inhibition Efficiency". *Researcher* 2015;7(3):74-86
3. **R.Epshiba**, A. Peter Pascal Regis and S. Rajendran "Inhibition Of Corrosion Of Carbon Steel In A Well Water By Sodium Molybdate - Zn²⁺ System", *International Journal of Nano Corrosion Science and Engineering*, 1(1), (2014) 1 – 11.
4. **R.Epshiba**, A. Peter Pascal Regis and S. Rajendran "Inhibition Of Corrosion Of Carbon Steel In A Well Water By Sodium Molybdate - Zn²⁺ - A Phosphonic Acid System". *Researcher* 2015;7(3):66-73.
5. Namita K Johar, K Bhrara, **R Epshiba**, G Singh, "Effect Of Polyethoxyethylene N, N, N1, 3 Diamino Propane On The Corrosion Of Mild Steel In Acidic Solutions", *Int. J. Nano. Corr. Sci. Engg*, Volume 2, Issue 1, 2015 Pages 23.

6. **R.Epshiba**, A.P.Pascal Regis, R. Betsy Clarebel, S. Philomina Mary and J. K. Alphonsa "Influence of Aloe vera Extract on Corrosion Inhibition of Mild Steel in Well Water", *Research Teaching Learning Letters*, Vol. 15, December 2015, Page 19.
7. **R.Epshiba**, A.Peter Pascal Regis, C. Rajarathinam, R. Betsy Clarebel, S. Philomena Mary and J.K. Alphonsa Juliet Helina," Inhibitive Properties Of Sodium Molybdate - Zn^{2+} System And Its Synergism With Garlic Extract", *World Journal of Pharmacy and Pharmaceutical Sciences*, Vol 5, Issue 10, 2016, 921-938.
8. Mary, S. John, Nagalakshmi Rajan, and **R.Epshiba**, "High entropy alloys properties and its applications—An over view." *European Chemical Bulletin* 4, no. 4-6 (2015): 279-284.
9. **R.Epshiba**, A.Peter Pascal Regis, S.Rajendran, "Electrochemical and Surface Analysis Studies on Corrosion Inhibition of Carbon Steel in Well Water By Curcumin", *International Journal Of Advanced Chemical Science and Applications (IJACSA) Journal*, Volume -4, Issue -1, 2016, 1-8.

Paper Presentation

1. Corrosion Inhibition of Sodium Molybdate - Zn^{2+} - A Phosphonic acid, ICCM '14 - International Conference on Chemistry and Materials, at Bharathidasan Institute of Technology (BIT) Campus, Anna University, Tiruchirappalli, 14-15 Nov 2014.
2. Inhibitive Properties of Sodium Molybdate - Zn^{2+} System and its synergism with garlic, RTC-6 - Recent trends in Chemistry, at Jayaraj Annapackiam College for Women, Periyakulam, 8th Jan 2015.
3. R.Epshiba, A. Peter Pascal Regis and S. Rajendran, "Surface protection of carbon steel by Sodium Molybdate - Zn^{2+} System", NEVACC 2013 - National Conference on New Vistas and Challenges in Chemistry, Sathyabama University, 23-25 Jan 2013.
4. Inhibitive effects of Aqueous extract of aloe vera and Sodium Molybdate - Zn^{2+} System on Carbon Steel, NCAC 2015 - National Conference on Advance in Chemistry, Easwari Engineering College, Chennai, 18 Feb 2015.
5. R.Epshiba, A. Peter Pascal Regis and S. Rajendran, "Electrochemical and spectroscopic methods for analyzing protective film by Curcumin of carbon steel in well water", National seminar on Green Chemistry, SRM university, Chennai.
6. Contributed a paper on "Innovative Practices and Experiments in Higher Education" conducted by Centre for Educational Research of Madurai Kamaraj University.
7. R.Epshiba, and A. Peter Pascal Regis "Electrochemical and Surface analysis studies on corrosion inhibition of mild steel in well water by Sodium Aloe vera", ICNSCET-2K20- International Conference on New Scientific creations in engineering and technology, Nadar saraswathi college of Engineering and Technology, 14 Mar 2020.

FDP Attended

- FDP, Advancements in Materials Science, Jeppiaar Institute of Technology, Chennai, 05.06.2020
- FDP, Advancements in Applied Chemistry, St. Joseph College of Engineering, Chennai, 06.07.2020
- FDP, PRIME Pedagogy, MEASI Institute of Management, 20.11.2020
- FDP, Advancement in Science and Humanities, Panimalar Institute of Technology, Chennai, 25.05.2020

- FDP, Recent advanced research in chemistry, C.Abdul hakeem college of engineering and technology,15.07.2020
- FDP, Asymmetric synthesis and its application, Hajee karutha rowther howdia college, Theni, 30-06-2020
- FDP, Advancements in applied chemistry, St. Joseph's college of engineering,Chennai 6.7.2020
- FDP on "Modern Trends and Current Research in Chemistry",Sathyabama Institute of Science and Technology, Chennai., on July 08 2020

Seminar/Workshops Attended

1. ICFMS 2012 - International Conference on Frontiers in materials science for energy for energy and environment, Loyola College, Chennai, Jan 11-13 2012.
2. International Corrosion Awareness Day - 2011, Organized by national corrosion council of India and CSIR - Central Electrochemical research institute, 25 April 2011.
3. Workshop on "Application of Information & Communication Technology for the Teacher Educators in Physical Sciences" conducted by centre for Education Research of Madurai Kamaraj University.
4. Seminar on "Recent Trends in Green Chemistry" conducted by Dept of Science & Technology, New Delhi at Thiagarajar College Engineering, Madurai.
5. Workshop on "Latest techniques in corrosion control" organized by MEPCO Engineering College, Sivakasi.
6. Workshop on "Teachers Nurture Dreams" conducted by Dept of Social Sciences of Lady Doak College, Madurai.
7. Workshop on "Faculty Development" conducted by RIPE Institute P Ltd., at Vickram College of Engineering, Madurai.
8. International webinar on "Advanced functional materials for biomedical and energy" conducted by Loyola college, Chennai., on 24 June 2020
9. International conference on " Novel biotechnological approaches to combat energy diseases with special focus on SARS associated coronavirus therapeutics" conducted by Presidency college, Chennai., on 26 June 2020.
10. Webinar on "Intermolecular bonding" conducted by Womens Christian college, Chennai., on June 16 2020
11. Webinar on "ENERGY SOURCES FOR THE FUTURE" conducted by Chevalier T. Thomas Elizabeth College, Chennai., on May 27 2020