

Name : V R Nazeera Banu
Designation : Assistant Professor
Department : Chemistry
Date of Joining : 18 -06 -2018
Contact Number : 6383524771
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Educational Qualification:

Degree	Subject	Institution	Year of passing
Ph.D.	Chemistry	Anna University, Chennai	2017
M.Phil	Chemistry	Madurai Kamaraj University, Madurai	2010
M.Sc.	Chemistry	Lady Doak college, Madurai	2006
B.Sc.	Chemistry	Lady Doak college, Madurai	2004

Specialization in Teaching:

1. Inorganic Chemistry
2. Organic Chemistry
3. Physical Chemistry
4. General Chemistry

Specialization in Research:

1. Corrosion
2. Electro Chemistry
3. Physical Chemistry

Other Work Experience

Designation	Institution / Company	Year-From(month/year) To (month/year)
Assistant Professor	Department of Chemistry, R.V.S College of Engineering, Dindigul	September 2011 to June 2018
Lecturer	Department of Chemistry, R.V.S Polytechnic College, Dindigul	July 2008 to August 2011
Lecturer	CSI Arts and Science College for Women, Madurai	August 2006 to November 2007

Membership in Professional Bodies:

Life member & Fellow in Indian Chemical Society

Research Interest

Corrosion Science

Material Chemistry

Electrochemistry

Computational Chemistry

Organic Synthesis

Instrumental Skills

FT-IR spectrometer

Electrochemical Workstation (CHI model 650B, 660 A, 1200, 1110)

Microwave Oven

Scanning Electron Microscope (SEM)

Energy Dispersive X-Ray Analyzer (EDAX)

UV-Visible spectrophotometer

Column Chromatography

Atomic Force Microscopy (AFM)

Computational Skills

Operating Systems: Windows 2007/8

Office Applications: Microsoft PowerPoint, Excel, Word

Technical Drawing: Chem Draw, Photoshop, Photoscape

Scientific Applications: Origin 8.5.1, EC-Lab

List of Publications

1. Wilson Sahayaraj A, **Nazeera Banu V.R.**, Saranya R, John Amalraj A, SusaiRajendran, Robert Kennedy &Shanthy T, 2012, "Corrosion inhibition by self-assembling molecules", International Journal of Advances in Engineering, Vol.2, 102-110 ISSN: 2249-913X.

2. Rajendran S, Sribharathy V, Krishnaveni A, Sathiyabama J, Robert Kennedy, **Nazeera Banu V.R**, & Brintha G, 2012, "Corrosion inhibitive property of self-assembled nano films formed by adipic acid molecules on carbon steel surface", Elixir Thin Film Technology, Vol.50, 10509-10513, ISSN: 2229-712X.
3. **Nazeera Banu V.R** & Rajendran S, 2015, "Corrosion inhibition of carbon steel by Triton X 100 self-assembling monolayers", Journal of Chemical and Pharmaceutical Research, 7 (10S), 146-152, ISSN: 0975-7384.
4. **Nazeera Banu V.R**, Rajendran S & Senthil Kumaran S, 2016, "Investigation of the inhibitive effect of Tween 20 self-assembling nanofilms on corrosion of carbon steel", Journal of alloys and compounds, 675, 139-148.
5. **Nazeera Banu V.R**, Rajendran S & Syed Abuthahir S.S, 2017, "Corrosion Inhibition by Self-assembling Nano films of Tween 60 on Mild steel surface", International Journal of Chemical Concepts, 3 (1), 161-173.
6. **Nazeera Banu V.R**, Ramesh Babu V & Rajendran S, 2017, "Investigating the Corrosion Inhibition Efficiency of surgical carbon steel instruments used in medical field", International Research Journal of Pharmacy, 8 (12), 79 - 90.
7. **Nazeera Banu V.R**, Ramesh Babu V, Kayalvizhi C & Saravanan K, 2019, "Cyclic Voltammetric and AFM Study of Corrosion Inhibition and adsorption behavior of Sodium Dodecyl Sulphate-Zn²⁺ on carbon steel in aqueous medium", 12 (3), 1-8.

Book Chapter:

1. **V. R. Nazeera Banu** , Susai Rajendran , T. Umasankareswari, " **Hydrophobicity and Corrosion Inhibition Corrosion Inhibition of Carbon Steel by Surfactants**", 2017, LAP Lambert Academic Publishing, ISBN10 3330053402, ISBN13 9783330053403.

Paper presented in conferences:

1. **V.R.Nazeera Banu** presented a paper on "Corrosion inhibitive property of self-assembled nano films formed by adipic acid molecules on carbon steel surface" at the National conference on Recent Advancement in Nanoscale Research (NCRNR 2012) August 24-25, 2012.
2. **V.R.Nazeera Banu** presented a paper on "Corrosion inhibition of carbon steel surface

by CTAB” at the TEQIP II Sponsored International conference on Chemistry and Materials (ICCM’14) November 14-15, 2014.

3. **V.R.Nazeera Banu** presented a paper on “Corrosion inhibition by self-assembling nano films of Cetyl trimethyl ammonium bromide (CTAB) on mild steel surface” at the International conference on Recent Advances in Nano Science and Technology (RAINSAT 2015) July 8-10, 2015.
4. **V.R.Nazeera Banu** presented a paper on “Corrosion inhibition of self-assembling nano films of Tween 60 on mild steel surface” at the International conference on Nanomaterials for Frontier Applications (ICNFA 2015) December 2-4, 2015.
5. **V.R.Nazeera Banu** presented a paper on “Corrosion inhibition of self-assembling nano films of Triton X 100 on mild steel surface” at the International conference on Nanomaterials for Frontier Applications (ICNFA 2015) December 2-4, 2015.
6. **V.R.Nazeera Banu** presented a paper on “Corrosion inhibition of carbon steel surface by an Anionic Surfactant” at the International conference on Chemical and environmental Research (ICCER 2015) December 17, 2015.
7. **V.R.Nazeera Banu** presented a paper on “Corrosion inhibition of mild steel by SDS-Zn²⁺ system” at the International conference on Advances in Engineering Science and Technology (ICAEST’16) March 3-4, 2016.
8. **V.R.Nazeera Banu** presented a paper on “Corrosion Inhibition Efficiency and Medicinal Application of Mild Steel” at the International Seminar on “Inter disciplinary science studies, September 3, 2018
9. **V.R.Nazeera Banu** presented a paper on “Investigating Corrosion Inhibition Efficiency of Surgical Carbon Steel Instruments by CTAB” at the National conference on Recent Trends in Chemistry February 11-12, 2019.

Personal details:

Name : V.R.Nazeera Banu
Father’s Name : V.Raja Mohammed
Date of Birth : 10.06.1983
Religion : Muslim
Language Known : Tamil, English
Marital Status : Married

