

CURRICULUM VITAE

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Education : M.Sc (Organic Chemistry), Ph.D.,

Teaching Experience : 10 years

Research Areas : Corrosion, Polymers, Wastewater treatment

Publications:

1. **Smita V** and G N Mehta "Acid Corrosion of MS and its Inhibition by Acid Extracts of Lawsonia Inermis" Transaction of SAEST, Vol. 32, No. 2-3, 1997.
2. **Smita V** and G N Mehta "Effect of Acid Extracts of Powdered Seeds of Eugenia jambolans on Corrosion of MS in HCl – Study of DC Polarization Techniques" Transaction of SAEST, Vol. 32, No. 4 1997.
3. **Smita V** and G N Mehta "Effect of Acid Extracts of Calotropis gigantea Latex on HCl Corrosion of MS" Transaction of SAEST. Vol. 33, No. 4 Oct-Dec. 1998.
4. **Smita V** and G N Mehta "Effect of Acid Extracts of Acacia arabica on Acid Corrosion of MS" Bulletin of Electrochemistry 15(2) Feb. 1999, pp. 67.
5. **Smita V** and G N Mehta "Effect of Acid Extract of Calotropis gigantea Latex on H₂SO₄ Corrosion of MS-Study by DC Polarization Techniques" , Chem. Environ. Res. 8 (1&2) 1999.
6. **Smita V** and G N Mehta "Study of Effect of Famotidine Drug as an acid corrosion of Mild Steel by linear and log modes of Polarization" published in Transaction of SAEST, Vol. 35, 2000, pp. 45-51.
7. **Smita Jauhari** ,. G N Mehta and K.B.Pai "Evaluation of Famotidine Drug as an acid corrosion inhibitor using Electrochemical Techniques" published in Transaction of SAEST, Oct-Dec. 2004.

8. **Smita Jauhari**, S.Devi, V Sharma and M Borse "New Hydroxylated Cationic Gemini Surfactants as an effective corrosion inhibitors for Mild steel in Hydrochloric acid medium Published in Tenside Surf. Det. Carl Hanser Publisher, 42 (2005) 3.
9. "Effect of Acid Extract of Powdered seeds of *Eugenia jambolans* on corrosion of mild steel in HCl-Study by DC polarization techniques Cited in CAT.INIST-Centre National De la Recherche Scientifique, France.
10. **Smita Jauhari** , G N Mehta "Adsorption and corrosion inhibition of surfactants on carbon steel surface in Hydrochloric acid" Proceeding of XIVth National Congress on corrosion control, Hyderabad, 18-20 September 2008.
11. **Smita Jauhari** , K Parikh, Ramesh U, K.Pai , "Corrosion Inhibition of MS in acid media using FF as a novel approach to corrosion Resistance" proceeding of international conference on Corrosion Corrosion 2009, Nace International at Georgia, USA, March 2009.
12. N S Patel, **S Jauhari** , G N Mehta Inhibitive effect by Acid Extract of Tobacco on H₂SO₄ Corrosion of Mild Steel in International journal of Emerging Technologies and applications in Engineering, Technology and Sciences, July 09, Vol 2, Issue 2.
13. N S Patel, **S Jauhari** , G N Mehta 1,7' dimethyl-2' propyl - 1H, 3'H-2,5' bibenzo [d] imidazole as corrosion inhibitor of mild steel in IM HCl – Chemical papers 64 (1) 51-55 (2010) – Springer Journal No. 11696 ISSN – 0366-6352 (print version) ISSN : 1336-9075 (electronic version).
14. N S Patel, **S Jauhari** , G N Mehta Inhibitive effect by Acid Extract of *Ficus exasperata* leaves on the sulphuric acid corrosion of mild steel e journal of chemistry accepted.
15. N S Patel, **S Jauhari** , G N Mehta Inhibitive Effect by Acid Extracts of *Malachra capitata* Leaves on the Sulphuric Acid Corrosion of Mild Steel, Asian J. Research Chem. 2(4), 2009, 427-431.
16. **S Jauhari**, M.Joshi Synthesis and characterization of Chromophoric Polyureas accepted in Taylor and Francis.
17. Effect of Acid Extract of powdered seed of *Eugenia jambolans* on corrosion of mild steel in HCL-study by DC polarization techniques cited in CAT.INTST – Centre national De.la. Recherche Scientifique, France.
18. Expert Lectures: Delivered expert lectures on Theories of Corrosion and General Methods of Corrosion Control in STTP on Recent Trends in Corrosion Science, Technology, Monitoring and Control, 25th-29th December 2007.

19. Participated and Presented Paper entitled ,” Corrosion Inhibition of MS in acid media using FF as a novel approach to corrosion Resistance” Corrosion 2009, NACE International at Georgia, USA, 22nd-26th March 2009.
20. Successfully completed UGC Refresher Course at Pune University with “A” grade,14th November to 4th December 2007.

Research Projects:

Project entitled ,” Development of model to predict the concentration of Radionuclides in Aquatic System at KAPS,-Board of Research in Nuclear Sciences(BRNS), DAE,Co-investigator.