



Dr SANJOY SATPATI

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Address: Nadia district ,West Bengal,India - 741160

Expertise

Electrochemistry

Corrosion, Corrosion Inhibitor, Organic Corrosion Inhibitor, Cathodic and Anodic Protection

Work experience

1. Tehatta Government College 2018 — Present

Assistant Professor

Nadia

Education

1. Ph.D - 2022

National Institute of Technology, Durgapur

Honours and Awards

1.
CSIR-UGC
2. Qualified NET - 2013
CSIR-UGC
3. Qualified SET 2013 - 2013
WBCSC

Publication

1. Effect of the Heterocyclic Groups on the Anti-corrosion Performance of Heterocyclic Schiff Bases of Benzothiazole for Mild Steel in 1 M Aqueous HCl
Aditya Suhasaria ., Sanjoy Satpati ., Subhas Ghosal ., Sukalpa Dey ., Dipankar Sukul .,
Journal of Bio- and Tribo-Corrosion, Volume 9, Year 2023
2. Interaction of newly synthesized dipeptide Schiff bases with mild steel surface in aqueous HCl: Experimental and theoretical study on thermodynamics, adsorption and anti-corrosion characteristics
Sanjoy Satpati ., Aditya Suhasaria ., Subhas Ghosal ., Sukalpa Dey ., Dipankar Sukul .,
Materials Chemistry and Physics, Volume 296, Year 2023
3. Experimental and theoretical investigation on the anti-corrosion characteristics of pyridine-substituted benzothiazole derivatives for mild steel in aqueous HCl
Aditya Suhasaria ., Rakhi Senapati ., Sanjoy Satpati ., Subhas Ghosal ., Sukalpa Dey ., Dipankar Sukul .,
Physical Chemistry Chemical Physics, Volume 25, Year 2023, Pages 17434-17449
4. Anti-corrosive propensity of naturally occurring aldehydes and 1-(3-aminopropyl)imidazole condensed Schiff bases: Comparison on the effect of extended conjugation over electron donating substituents
Sanjoy Satpati ., Aditya Suhasaria ., Subhas Ghosal ., Utpal Adhikari ., Priyabrata Banerjee ., Sukalpa Dey .,
Dipankar Sukul .,
Journal of Molecular Structure, Volume 1268, Year 2022
5. Amino acid and cinnamaldehyde conjugated Schiff bases as proficient corrosion inhibitors for mild steel in 1 M HCl at higher temperature and prolonged exposure: Detailed electrochemical, adsorption and theoretical study
Sanjoy Satpati ., Aditya Suhasaria ., Subhas Ghosal ., Abhijit Saha ., Sukalpa Dey ., Dipankar Sukul .,
Journal of Molecular Liquids, Volume 324, Year 2021
6. Bis-benzothiazoles as efficient corrosion inhibitors for mild steel in

aqueous HCl: Molecular structure-reactivity correlation study

Suhasaria A.;Murmu M.;Satpati S.;Banerjee P.;Sukul D.
Journal of Molecular Liquids, Volume 313, Year 2020

7. Adsorption and anti-corrosion characteristics of vanillin Schiff bases on mild steel in 1 M HCl: Experimental and theoretical study

Satpati S.;Saha S.K.;Suhasaria A.;Banerjee P.;Sukul D.
RSC Advances, Volume 10, Year 2020, Pages 9258-9273

8. Newly synthesized quercetin derivatives as corrosion inhibitors for mild steel in 1 M HCl: Combined experimental and theoretical investigation

Sukul D.;Pal A.;Saha S.K.;Satpati S.;Adhikari U.;Banerjee P.
Physical Chemistry Chemical Physics, Volume 20, Year 2018, Pages 6562-6574