

Dr. Mathew Kuruvilla
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Education

- ✚ Ph.D, University of Calicut, Kerala
- ✚ M.Sc, University of Madras
- ✚ B.Sc, University of Calicut

PUBLICATIONS

- ✚ Mathew Kuruvilla, Sam John, Abraham Joseph. Electrochemical studies on the interaction of L-Cysteine with metallic copper in sulphuric acid. **Res. Chem Intermed.** 39(2013)3531-354.
- ✚ Mathew Kuruvilla, Sam John, Abraham Joseph .Electroanalytical Studies on the Interaction of L-Serine-Based Schiff Base, HHDMP, with Copper in Sulphuric Acid. **J Bio Tribo Corros** (2016) 2:19 (Springer)
- ✚ Mathew Kuruvilla, Anupama R. Prasad, Sam John, Abraham Joseph. Enhanced Inhibition of the Corrosion of Metallic Copper Exposed in Sulphuric Acid Through the Synergistic Interaction of Cysteine and Alanine: Electrochemical and Computational Studies. **J Bio Tribo Corros** (2017) 3:5 (Springer)
- ✚ Mathew Kuruvilla, Anupama R. Prasad, K. M. Shainy, Abraham Joseph. Protection of Metallic Copper from the Attack of Sulphuric Acid Using HDMMA, a Schiff Base Derived from l-Cysteine and 2 Hydroxy-Naphthaldehyde. **J Bio Tribo Corros** (2019) 5:9. (Springer)

- ✚ Sam John, Mathew Kuruvilla, Abraham Joseph. Surface morphological and impedance spectroscopic studies on the interaction of polyethylene glycol (PEG) and polyvinyl pyrrolidone (PVP) with mild steel in acid solutions. *Research on Chemical Intermediates* 2013,39,1169-1182. (Springer)
- ✚ Shainy KM, Kuruvilla M, Joseph A. Electrochemical studies on the adsorption interaction and corrosion inhibition properties of a substituted triazinone, BCATDT on mild steel in hydrochloric acid. *Indian journal of chemical technology*. 25 (2018) 9-20 (NISCAIR).
- ✚ P.K. Jaseela , Mathew Kuruvilla , Linda Williams, Chinju Jacob b , K.O, Shamsheera , Abraham Joseph, Excellent protection of mild steel in sodium chloride solution for a substantial period of time using a hybrid nanocoating of poly vinyl alcohol and Titania, *Arabian Journal of Chemistry*, 13(2020)6921-6930 (Elsevier).
- ✚ Anupama R. Prasad, Mathew Kuruvilla and Abraham Joseph, Applications of cysteine in health and industries, Cysteine: Sources, Uses and Health Effects ISBN: 978-1-3619-033-5 Editor: Taran Saunders © 2021 Nova Science Publishers, Inc.(Book Chapter).
- ✚ Anupama R. Prasad, Linda Williams, Julia, K.O. Shamsheera , Sabeel M. Basheer , Mathew Kuruvilla , Abraham Joseph, Applications of phytogenic ZnO nanoparticles: A review on recent advancements, *Journal of Molecular Liquids*, 331 (2021) 115805,(Elsevier)

SEMINAR / CONFERENCES - PRESENTATIONS

1. Mathew Kuruvilla and Abraham Joseph. **Electrochemical studies on the interaction of DL-Methionine with mild steel in sulphuric acid medium** *Proceedings of the National conference on Recent Advances in Surface Science (RASS - 2013)* organised by Dept. of Chemistry, GRI - DU, Dindigul, Tamilnadu on 14 - 15 Feb 2013.
2. Mathew Kuruvilla and Abraham Joseph. **Corrosion inhibition behaviour of amino acid Schiff base (HMIB) on mild steel in Hydrochloric acid** *Proceedings of the 12th Prof. K.V.Thomas endowment national seminar on Novel Concepts in Computational & Supra molecular Chemistry* on 11-12-13 organised by Dept. of Chemistry, Sacred Heart College, Kochi, Kerala.
3. Mathew Kuruvilla and Abraham Joseph. **‘Studies on the electrochemical interaction of amino acid Schiff base HMMB with mild steel in hydrochloric acid** *Proceedings of the 26th Kerala Science Congress* held on 28- 31 Jan 2014 at KVASU, Wayanad, Kerala.
4. Mathew Kuruvilla and Abraham Joseph. **Electro analytical studies on the interaction of amino acid Schiff base HHDMP with copper metal in sulphuric acid** *Proceedings of the World’s Emerging Advancements in Chemical Technology (WEACT 2014)* on 10 – 11, 2014 organised by Dept. of Chemistry, Govinda Dasa College, Surathkal, Karnataka.
5. Mathew Kuruvilla and Abraham Joseph. **Electrochemical studies on the interaction of L-Cysteine with metallic copper in sulphuric acid** *Proceedings of the International corrosion conference & Expo 2012* on 26 – 29, 2012, at Goa.

ORIENTATION/REFRESHERPROGRAMMES

- ✚ UGC sponsored Faculty Development programme conducted by Kannur University from 30/9/2020 to 2/10/2020
- ✚ Annual Refresher Training Programme in Teaching conducted by MHRD from 1/11/2018 to 28/2/2018.
- ✚ Online Refresher Programme organized by UGC – STRIDE from 3/8/2021 to 16/8/2021.

POSITIONS HELD

- ✚ Coordinator – National Seminar ‘ Trends in Green Chemistry
- ✚ Admission Committee 2020- UG Nodal Officer
- ✚ Coordinator- Legal Literacy Cell.