Curriculam Vitae

Dr. Marziya Rizvi

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Career Objectives

I am willing to join a relevant research and academic post that will ensure the growth of my research and teaching abilities and career advancement.

Work Experience

- Currently **CSIR RA** in Department of Applied Chemistry, Babasaheb Bhimrao Ambedkar University, Lucknow, India.
- **Post-Doctoral Researcher** in the field of corrosion science (Understanding the use of Dynamic Electrochemical Impedance Spectroscopy) currently working in Corrosion Research Lab, Department of Mechanical Engineering, Duzce University, Turkey.
- **Ph.D.** Maulana Azad Senior Research Fellow at Department of Applied Chemistry, Aligarh Muslim University (2013-2017).

Academic Qualifications

PhD

Applied Chemistry — 2013- 2018

Topic - Studies on the corrosion inhibition behavior of some natural polymers

Supervisor - Professor Mohammad Mobin, Corrosion Research Laboratory, Department of Applied Chemistry, Aligarh Muslim University, Aligarh 202002, India

M.Sc

Analytical — 2010 - 2012,

Chemistry	Department of Chemistry, Aligarh Muslim University [1 Division]

B.Sc.

Zoology, Botany, Chemistry	2007 - 2010, I.T. College, University of Lucknow [1 Division]

Intermediate

Physics Chemistry Biology	2005 - 2007, N.R.S.S.S. CBSE Board [1 Division]

High School	2003 - 2005, N.R.S.S.S., CBSE Board [1 Division]

Some Research Articles Published

1. Marziya Rizvi, Husnu Gerengi*, Mesut Yıldız, Meral Kekeçoğlu, and Mustafa Mert Pehlivan **,** Investigation of "Propolis" as a Green Inhibitor of SAE 1010 Carbon Steel Corrosion in 3.5% NaCl Environment. Industrial and Engineering Chemistry Research , 59, 19, 9328–9339 (2020) **Impact: 3.37**

2. Hana Lahbib, Samia Ben Hassen, Hüsnü Gerengi, Marziya Rizvi, Yasser Ben Amor, Corrosion inhibition performance of dwarf palm and Cynara cardunculus leaves extract for St37 steel in 15% H2SO4: a comparative study. Journal of Adhesion Science and Technology, Taylor & Francis, 1-32 (2020) **Impact: 1.3**

3. M. Mobin, Marziya Rizvi, Inhibitory effect of xanthan gum and synergistic surfactant additives for mild steel. Carbohydrate Polymers, 136, 384-393 (2016) **Impact : 6.23**

4. M. Mobin, Marziya Rizvi, Adsorption and corrosion inhibition behavior of hydroxyethylcellulose and synergistic surfactants additives for carbon steel in 1 M HCl. Carbohydrate Polymers, 156, 202-214 (2017) **Impact : 6.23**

5. M. Mobin, Marziya Rizvi, Polysaccharide from Plantago as a green corrosion inhibitor for carbon steel in 1 M HCl solution. Carbohydrate Polymers, 160, 172-183 (2017) **Impact : 6.23**

6. M. Mobin, Marziya Rizvi, L. Olosunkanmi, E.E. Ebenso, Biopolymer from

Tragacanth gum as Green Corrosion Inhibitor for Carbon Steel in 1M HCl Solution, ACS Omega, 2, 3997-4008 (2017). **Impact : 2.87**

- Prof. M. Mobin has supervised my PhD at the department of Applied Chemistry, F/O Engg. & Tech., Aligarh Muslim University. Almost all the research papers were worked upon and authored by me under the expert guidance of my supervisor.
- Have many more ongoing and completed research articles in association with Prof. Husnu Gerengi, Duzce University, Turkey which are under review and will soon be published.

Selected Technical Papers Presented in International/National Conferences

1. Marziya Rizvi, Husnu Gerengi*, Mesut Yıldız, Meral Kekeçoğlu, and Mustafa Mert Pehlivan , Investigation of "Propolis" as a Green Inhibitor of SAE 1010 Carbon Steel Corrosion in 3.5% NaCl Environment, 19-21 December 2019, Duzce Bolu Ar Ge Pazri held at the Duzce Teknopark. The presentation won the second prize in Duzc-Bolu Project Ar Ge Pazari 2019

2. Hydroxyethyl cellulose , an eco friendly inhibitor for mild steel in 1MHCl, CORCON 2015, NACE Gateway India Section, 20 November 2015, Chennai India.
3. Plantago psyllium extracts as green corrosion inhibitor for mild steel In 1M HCl solution. CORCON 2016, NACE Gateway India Section, 20 November 2015, New Delhi, 20th September 2016, India.
4. Arabinoxylans as corrosion inhibitors of mild steel. 26th March 2017, Recent Advances in Chemical Sciences, Department of Applied Chemistry, Aligarh Muslim University, Aligarh, India.

Research Interests

Corrosion,
Inhibitors,
Computanional / Quantum Methods of Chemical Analysis of Corrosion Inhibitors
Electrochemical Analysis through EIS and DEIS

Computer Skills

Have used Microsoft Excel, Microsoft Word, Microsoft PowerPoint & Microsoft Word.
Have worked on scientific softwares like Origin, Nova 1.11, and Nanoscape 5.
Have used computational softwares like Chem Draw 3D, Avogadro and Orca.

Languages Known:

English
Urdu
Hindi

Personal Details 17th August 1990

Date of Birth	
Place of Birth	Lucknow, U.P. India
Gender	Female
Nationality	Indian
Marital Status	Married
Passport No.	K4487027
Date of Expiry	21/10/2022
Address	238\146, Mohaani Gate, Katra Abuturab Khan, Lucknow-226003, India

References

1. **Prof. Husnu Gerengi,**
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(Current Research Advisor)

2. **Prof. Mohammad Mobin**
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3. **Assoc. Prof. Mecit Aksu**
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(Faculty Member in current institute)