

# Ibtissam Rachid Saad

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## Professional Summary

Dedicated Assistant Professor of Physical Chemistry and Director of the Environmental Analysis and Consultancy Unit (EACU) at Beirut Arab University. Specialized in corrosion science, analytical chemistry, and environmental testing with over 10 years of academic, laboratory, and consultancy experience. Experience in developing and implementing ISO/IEC 17025 documentation, managing quality systems, supervising postgraduate research, and advancing sustainable solutions in water, wastewater, and material analysis.

## Education

- Ph.D. in Physical Chemistry  
Beirut Arab University, Beirut, Lebanon | 2014 – 2019 | Graduation: April 2019
- Master's Degree in Analytical Chemistry  
Beirut Arab University, Beirut, Lebanon | 2007 – 2010 | Graduation: May 2010
- B.Sc. in Analytical Chemistry (Honors List)  
Beirut Arab University, Beirut, Lebanon | 2002 – 2006 | Graduation: 2006
- Lebanese Baccalaureate – Life Science Section  
National Evangelical Institute for Girls and Boys, Saida, Lebanon | Graduation: 2002

## Professional Experience

- Assistant Professor of Physical Chemistry  
Beirut Arab University - Faculty of Science, Department of Chemistry | September 2023 - Present  
Teach graduate and undergraduate courses including Advanced Physical Chemistry, Chemical Kinetics, Water Analysis, Electrochemistry, and Nuclear Chemistry...
- Director - Environmental Analysis and Consultancy Unit (EACU)  
Beirut Arab University – Faculty of Science | January 2024 – Present

- Head of Chemistry Laboratory Unit  
Beirut Arab University – Faculty of Science, Department of Chemistry | September 2008 – 2023
- Laboratory Consultant  
Saida Wastewater Treatment Plant, Lebanon | 2013 - 2015  
Provided expertise on wastewater quality monitoring and process optimization.

### Awards

Jamal Abdul Nasser Prize (2005–2006) – Award for Scientific Distinction, Beirut Arab University

### Research Expertise & Technical Skills

- Advanced expertise in corrosion inhibition studies using electrochemical techniques (PDP, EIS).
- Extensive experience with UV-Vis, AAS, FTIR, and other instrumental analytical techniques.
- Strong background in water, wastewater, soil, and fertilizer analysis under ISO/IEC 17025 framework.

### Certificates & Professional Development

- Team-Based Learning Workshop – BAU, February 16, 2024
- Principles & Implementation of ISO 17025:2005 Standards – Monroe Hotel, June 2013
- ISO 17025 Internal Audit Training – Markazia Hotel, August 2013
- Disaster Risk Reduction – BAU, Dibbieh, October 2013
- First Aid & CPR – BAU, Dibbieh, October 2013

### Publications

- Saad, I. R., et al. (2018). Corrosion Inhibition of Mild Steel in Acidic Solutions Using 1,2,4-Triazolo[1,5-a]pyrimidine. *Russian Journal of Applied Chemistry*, 91(2), 245–252.
- Saad, I. R., et al. (2018). Thiourea and N-Methylthiourea as Corrosion Inhibitors for Steel in Phosphoric Acid. *Journal of Failure Analysis and Prevention*, 18(5), 1293–1299.
- Joumaa, C., Saad, I., & Younes, G. (2021). Inhibition Activity of TBHQ Towards Corrosion of Aluminum, Copper, and Stainless Steel in Biodiesel Blend B20. *BAU Journal–Science and Technology*, 3(1), 4.

- Joumaa, C., Saad, I., & Younes, G. (2024). Effect of Diesel-Biodiesel-Ethanol Mixtures on Corrosion Rate of Metals in the Presence of TBHQ. *Química Nova*, 47, e-20230083.
- Kilo, M., Saad, I., Younes, G., & El-Dakdouki, M. H. (2024). Corrosion Inhibition of Carbon Steel Using *Phaseolus vulgaris* L. Extract. *Moroccan Journal of Chemistry*, 12(2), 473–492.

### **Languages**

Arabic – Native | English – Fluent