

# IBTISSAM RACHID SAAD

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- **Citizenship:** Lebanese
- **Gender:** Female
- **Marital Status:** Married
- **Place & Date of birth:** Moghayrieh, Lebanon, 16/07/1984

## Education:

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<b>PhD in Physical Chemistry</b> <i>Beirut Arab University, Beirut</i>	<b>Graduation: April 2019</b> 2014-2019
<b>Master's Degree in Analytical Chemistry</b> <i>Beirut Arab University, Beirut</i>	<b>Graduation: May 2010</b> 2007-2010
<b>B.S in Analytical Chemistry (Honors List)</b> <i>Beirut Arab University, Beirut</i>	<b>Graduation: 2006</b> 2002-2006
<b>Lebanese Baccalaureate, Life Science Section</b> <i>National Evangelical Institute for Girls and Boys, Saida, Lebanon</i>	<b>Graduation: 2002</b> 1987-2002

## Practical Experience:

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- **Assistant Professor at Beirut Arab University** **September 2023- present**
- **Employee - Head of Unit** **2008- 2023**
  - **Head of Chemistry Laboratory Unit:** Faculty of Sciences, Beirut Arab University, Lebanon.  
-Responsible for the overall co-ordination, implementation, explanation of chemical principles and experimental techniques for students, and promoting safety in the laboratory.  
-Supervising the Physical Chemistry laboratories (Undergraduate and Research Labs) by providing advice & orientation to assistants regarding laboratory procedures, location and use of materials, and the operation of equipment.
  - **Instructor – Chemistry Department:** Faculty of Sciences, Beirut Arab University, Lebanon.  
Responsible for teaching chemistry courses for undergraduate and graduate chemistry students -including Advanced physical chemistry, Chemical Kinetics, Water analysis, Physical Chemistry, Nuclear and Radiochemistry, General Chemistry, Organic Chemistry, Principles of Chemistry and Introduction to Chemistry.

## Additional Duties and Responsibilities:

- Coordinate with the Department of Chemistry members in some of its work.
- Other duties as assigned upon request by the Department Chair.

## Previous Consultation:

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| <b>Laboratory Supervisor at Saida Wastewater Treatment, Lebanon -</b>                                                                                                                                                | <b>2013- 2015</b> |
| <ul style="list-style-type: none"><li>• Responsible for the analysis of the sewage water by conducting required tests (BOD, COD, pH, T, cond., DO, TDS, TSS, TN) for the influent and effluent wastewater.</li></ul> |                   |

## Rewards:

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- Jamal Abdul Nasser Prize (2005-2006) (Award for Scientific Distinction in BAU)

## Expert Scientific Skills and Knowledge:

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- Experience in analytical instrumentation including Ultra-Violet Spectroscopy, Atomic Absorption Spectroscopy (AAS), Infra-red Spectroscopy (IR).
- Experience in using ACM-instrumentation for the corrosion analysis.
- Experience in using several techniques for the analysis of treated sewage water (Biochemical oxygen demand (BOD) and chemical oxygen demand (COD), total suspended solids (TSS), TDS, DO, conductivity and the pH)
- Experience in chemical separation and purification techniques (extraction, crystallization, distillation).

## Certificates:

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- *Certificate of attendance on The Principles and Implementation of the ISO 17025:2005 Standards* at Monroe Hotel, June 17 – 20(2013), Beirut, Lebanon
- *Certificate of attendance on ISO 17025: Internal Audit Training* at Markazia Hotel , August 27- 29(2013), Beirut, Lebanon
- *Certificate of attendance on Disaster Risk Reduction* at Beirut Arab University, October 7-8 (2013), Dibbieh, Lebanon
- *Certificate of attendance on First Aid and CPR* at Beirut Arab University, October 7-8(2013), Dibbieh, Lebanon

## Published Papers:

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- Saad, I. R., Abdel-Gaber, A. M., Younes, G. O., & Nsouli, B. (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., Abdel-Gaber, A. M., Younes, G. O., & Nsouli, B. (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). The Inhibition Activity of Tert-butylhydroquinone towards corrosion of aluminum, copper and stainless steel in biodiesel blend b20 alternative fuel. *BAU Journal-Science and Technology*, 3(1), 4.
- Joumaa, C., Saad, I., & Younes, G. (2023). Effect of diesel-biodiesel-ethanol mixtures on corrosion rate of various metals in the presence of tert-butylhydroquinone (TBHQ). *Quim. Nova* (<http://dx.doi.org/10.21577/0100-4042.20230083>).

## Conference Papers:

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- Mahrous, M., Younes, G, Saad, I , Zahraman, K.. (2009, November 14). "Spectrophotometric and Spectrofluorimetric Determination of Gemifloxacin in Factive Drug" at Beirut Arab University. Presentation at the 16<sup>th</sup> International Scientific Conference at BAU, November 13-15, 2009. Beirut, Lebanon.

- Younes, G, Zahraman, K., Nsouli, B, Mahmoud, R., Saad, I., El-Yazbi , F. and. Bejjani, A. (2008). “IBA: The interest based approach for analyzing Fenofibrates”. Presentation presented at the 9<sup>th</sup> Arab Conference on the Peaceful Uses of Atomic Energy, Beirut, Lebanon, December 3-6, (2008).

### **Languages:**

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- Arabic
- English

### **Personal Skills & Qualifications:**

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- Solid knowledge of basic computer software (Origin 6.0 Professional, ChemDraw, MS Windows, Internet browsers).
- Strong interpersonal skills.
- Effective team-worker.