



PERSONAL INFORMATION

Name Kamal Rashid Al-Jorani
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ORCID <https://orcid.org/0000-0002-9302-2529>
Nationality Iraq
Date of birth 15- 2 -1977
Language Arabic, English



EDUCATION

PhD

Doctor of Philosophy in Chemistry, University of Mustansiriyah, College of Science, Department of Chemistry. **2019** (Synthesis, Characterization, and Preliminary Pharmacological Study of Benzimidazole Derivatives).

MSc

Master's in Chemistry, University of Mustansiriyah, College of Science, Department of Chemistry. **2010** (Stability and Stability Constant of Complexes Formation Between Imidazole Derivatives With $\text{Co}^{(\text{II})}$, $\text{Ni}^{(\text{II})}$, $\text{Cu}^{(\text{II})}$, and $\text{Zn}^{(\text{II})}$ Ions by Potentiometric Method).

BSc

Bachelor's in Chemistry, University of Mustansiriyah, College of Science, Department of Chemistry. **2008**.

Diploma

Diploma in Pharmacy, institute of technical medicine, Al Mansure Institute.
2000.

TEACHING

The Scientific Title Assistant Professor

Current position Teaching, Lab Head

Organic Chemistry, 3rd Year - Chemistry Department

Lab Head, Laboratory of Organic Chemistry, 3rd Year – Chemistry Department

DISCIPLINES

Organic Chemistry, Inorganic Chemistry, Pharmacology, Medicinal Chemistry

SKILLS AND EXPERTISE

Heterocyclic Compounds Synthesis, Organic Synthesis, Coordination Chemistry, Drug Synthesis, Medicinal and Pharmaceutical Chemistry.

ACADEMIC QUALIFICATIONS

General

- Advanced skills in various chemistry programs and the development of pharmaceutical compounds. Holder of patents from the Central Agency for Standardization and Quality Control.
- High ability to link the acquired practical experience with the theoretical aspect and develop curricula.
- Ability to use and harness the precise specializations of various branches of chemistry to find solid research outputs, as proven in research and master's thesis.
- High experience working on Word and Excel programs, PowerPoint (PPT), and programs that assist in producing research papers, such as Mendeley and ChemSketch.

Committees

- Membership in permanent central committees, such as the Laboratory Quality Accreditation Committee.
- Participation in scientific and examination committees.
- Involvement in leading and participating in university student project committees within the Chemistry Department.

Membership

- Member of the Iraqi Chemists Syndicate.
- Trainer for teaching methods according to the updated TOT program.

PUBLICATIONS

- 1- A Ali, BE Jasim, Kamal Rashid Al Jorani, AS Al-Sammak, Ahmed A Ahmed. Synthesis, Characterization of New Nanocomplex and Lifetime Study of Polyvinyl Chloride and Polystyrene Polymers. *Journal of Nanostructures*, **2025**, Volume 15, Issue 4, Pages 1733-1744. DOI: [10.22052/JNS.2025.03.056](https://doi.org/10.22052/JNS.2025.03.056)
- 2- Najwa J. Jubier, Kamal R. Al-Jorani, Atheer A. Ali, Subhi A. Al-Bayaty, Raheem A.H. Al-Uqaily. Thermal degradation assessment, impact strength, and hardness of combination epoxy and polystyrene powder composite. *Kuwait Journal of Science*, Volume 51, Issue 4, **2024**, 100271, <https://doi.org/10.1016/j.kjs.2024.100271>
- 3- M.M. Ali, A.A., Al-Jorani, K.R. & Merza. Synthesis and Characterization of New Schiff Base Containing 1, 2, 4-Triazole-3-thione Moiety and Its Complexes with Some Transition Metal Ions: Spectroscopic and Computational Studies. *Russ J Gen Chem*. **2024**. Vol 94. Issue 2. Pages 471 - 487. Publisher Springer Nature. <https://doi.org/10.1134/S1070363224020221>
- 4- Kamal Rashid Al-Jorani, Ammar Ferman Abbood, Atheer Abdulsahib Ali, Mustafa M Kadhim, Salam Dawood Hamdan. Synthesis, characterizations, and computational studies of new tetrasubstituted imidazole containing a benzothiazole moiety. *Structural Chemistry*.

- 2023, Volume 34, Issue 3, P.1143-1156, Publisher Springer US.
<https://doi.org/10.1007/s11224-022-02069-w>
- 5- AA Ali, Kamal Rashid Al-Jorani, AF Abbood. Synthesis, Characterization, and Implementations for Dye Solar Cell of New Hematite Nanoparticles Using Tetrasubstituted Imidazole Containing a Benzimidazole Moiety. *Russian Journal of General Chemistry*. 2023, Volume 93, Issue 7, P.1783-1790, Publisher Springer Nature.
<https://doi.org/10.1134/S1070363223070204>
 - 6- Al-Jorani, Kamal Rashid, Atia, A.J. & Al-Bayti, R.I. Synthesis, Structure Elucidation, and Pharmacological Study of New Hydrazinylidene Derivatives Using Benzimidazole as a Scaffold. *Russ J Bioorg Chem* 47, 945–953, 2021.
<https://doi.org/10.1134/S1068162021040026>
 - 7- Kamal Rashid Al-Jorani, Ruba Fahmi Abbas, Ali Amer Waheb. Synthesis and characterization of a novel benzimidazole derivative: Solvatochromic and acid-base indicator applications. *Materials Today: Proceedings*, Volume 42, Part 5, 2021, Pages 1791-1799.
<https://doi.org/10.1016/j.matpr.2020.12.184>
 - 8- Ahmed N. Hameed, Abdul Jabar Kh. Atia, Kamal Rashid Al Jorani. Synthesis and Biological Activity of New Heterocyclic Compounds Derived From N-Benzoylthioimidazolidin-4-one. *Solid State Technology*. Vol. 63 No. 6, 2020.
<http://www.solidstatetechnology.us/index.php/JSST/article/view/5753>
 - 9- Kamal Rashid Al-Jorani, A. J. Kh Atia, S. J. Lafta, Redha I Al-Bayti, S. A. Kadhem, S. M. Baqer. Antibacterial activity of new benzimidazole moiety synthesis via a acid chloride and related heterocyclic chalcones. *JPSR*. Volume 11, Issue 11, Pages1195-1203, 2019. <https://www.jpsr.pharmainfo.in/issue.php?page=116#>
 - 10- Z. N. Al-Saadi, Kamal Rashid Hsejan Al-Jorani. Synthesis, characterization and anti-Methicillin Resistant Staphylococcus aureus (MRSA) evaluation of 4-bromo-2- (4,5-diphenyl-1H-imidazol-2-yl) phenol [Br-HPI] and its complexes with Co^{II}, Cu^{II} metal ions. *JPSR*. Volume 10, Issue 11, P.2866-2871, 2018.
<https://www.jpsr.pharmainfo.in/issue.php?page=111#>

- 11- Kamal Rashid Al-Jorani. Preparation, Characterization of Mixed-Ligand Complexes for Some Divalent Transition Metal Ions Involving Biologically Important Bidentate Ligands. *American Scientific Research Journal for Engineering, Technology, and Sciences*. Vol 38 No2, 2017. https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/3670
- 12- Kamal Rashid Al-Jorani. Preparation and characterization of the Br-HPI complex of Fe^(III) and their applications for dye solar cell by synthesized α -Fe₂O₃ nanoparticles in a novel method. *Journal of Wasit for Science & Medicine*. 2017, Volume 10, Issue 1, Pages 119-126. <https://www.iasj.net/iasj/article/142718>
- 13- Kamal Rashid Al-Jorani, Faisal Naji. Al-Obaidi. Potentiometric Study of Metal Complexes of Some Imidazole Contained Ligands Part II: The Determination of Dissociation Constant of 2-[4,5-Bis(4-Methylphenyl)-1H-Imidazol-2- YI] Phenol [Me-HPI] and The Stability of Its Complexes with Some Transition Metal Ions. *Al-Mustansiriyah Journal of Science*. 2012, Volume 23, Issue 4, Pages 29-40. <https://www.iasj.net/iasj/article/71288>
- 14- Kamal Rashid Al-Jorani, Faisal Naji. Al-Obaidi. Potentiometric study of metal complexes of some imidazole contained ligands. Part I: The determination of dissociation constant of 2-(2-hydroxyphenyl)-4,5-diphenylimidazole and the stability of its complexes with some transition metal ions. *Iraqi National Journal of Chemistry*. 2012, Volume, Issue 45, Pages 86-104. <https://www.iasj.net/iasj/article/35280>