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Contribution to the structural, electrochemical and biological study of iminic derivatives and their complex

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The present work focuses on the synthesis and characterization of non-symmetrical tetradentate Schiff bases and their copper complexes, are characterized by different spectral methods such as, UV-Vis, Infrared. The electrochemical properties of these metal complexes were conducted by cyclic voltammetry in the DMF using a platinum electrode (Pt) under nitrogen atmosphere. Finally, the synthesized products were subjected to biological tests to evaluate their possible antioxidant powers.

Index Terms- Schiff bases, metal complexes, ligands, tetradentates, antioxidant.

Recent Publications:

1. Abdallah Abiza, et.al, (2022). New Bis Hydrazone: Synthesis, X-ray Crystal Structure, DFT Computations, Conformational Study and in silico Study of the Inhibition Activity of SARS-CoV-2. Journal of Molecular Structure. 1261. 132865.

Biography

Abdallah Abiza is a lecturer at University of Ferhat Abbas in Algeria. His research interests are Organic Chemistry, Biochemistry, Pharmaceutical Chemistry and Heterocyclic Chemistry. He has participated many international conferences and attended workshops.

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