

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_129769
Title of the Manuscript:	Synthesis, Characterization of Metal Complexes of Mg(II) and Cu(II) ions with N-(4-hydroxyphenyl) acetamide
Type of the Article	

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript holds significant importance for the scientific community as it explores the synthesis and characterization of metal complexes, which are pivotal in advancing therapeutic applications. By coordinating Mg(II) and Cu(II) ions with N-(4-hydroxyphenyl) acetamide, the study provides insights into the structural and functional properties of these complexes, which may enhance the pharmacological potential of the parent molecule. The detailed analysis using FTIR, UV, and MS techniques not only validates the synthesis but also contributes to a deeper understanding of metal-ligand interactions. Such research is vital for the development of innovative medical treatments, including novel drug candidates and biomaterials.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Yes	
Is the manuscript scientifically, correct? Please write here.	Yes	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Author can add more references given here 1) Vibrational spectra, UV-vis spectral analysis and HOMO-LUMO studies of 2, 4-dichloro-5-nitropyrimidine and 4-methyl-2-(methylthio) pyrimidine M Arivazhagan, DA Rexalin Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 107, 347-358 2) Molecular structure, vibrational spectral analysis, NBO, HOMO-LUMO and conformational studies of ninhydrin M Arivazhagan, DA Rexalin Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 104, 451-460	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	The manuscript is well-structured, and the focus on metal complexes for therapeutic applications is highly relevant. Emphasizing broader implications in the introduction or conclusion could strengthen its impact. Ensure all figures and tables are clearly labeled and referenced. A brief mention of potential future directions, such as biological testing, would add value.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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