



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Biotechnology and Bioresource Technology</a>
Manuscript Number:	Ms_AJB2T_39126
Title of the Manuscript:	GREEN SYNTHESIS OF COPPER NANOPARTICLES USING MANDARIN (Citrus reticulata) PEEL EXTRACT AND ANTIFUNGAL STUDY
Type of the Article	Original Research Article

**General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

	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)
<b>Compulsory</b> REVISION comments	<p>In the titled study, the authors reported GREEN SYNTHESIS OF COPPER NANOPARTICLES USING MANDARIN (Citrus reticulata) PEEL EXTRACT and study of their antifungal activity.</p> <p>The study is interesting and can be accepted in Asian Journal of Biotechnology and Bioresource Technology after considering the following points</p> <p><b>1- In introduction, the following references should be added for "Copper is one of the most widely used materials in various fields of science, technology and medicine"</b></p> <ul style="list-style-type: none"> <li>Abu-Dief, A. M. and Nassr, L. A. E., Tailoring, physicochemical characterization, antibacterial and DNA binding mode studies of Cu(II) Schiff bases amino acid bioactive agents incorporating 5-bromo-2-hydroxybenzaldehyde, J. Iran. Chem. Soc., 2015, 12, 943-955</li> <li>Abdel-Rahman, L. H.; Abu-Dief, A. M., Ismael, M., Mohamed, Mounir A.A., Hashem, Nahla Ali, Synthesis, structure elucidation, biological screening, molecular modeling and DNA binding of some Cu(II) chelates incorporating imines derived from amino acids, Journal of Molecular Structure 2016, 1103, 232-244</li> </ul> <p><b>2- What the advantages of biological reduction method in water/PVA systems for copper nanoparticles?</b></p> <p>3- All the chemicals used in the investigation should be mentioned with their purity.</p> <p>4- What is the role of sodium hydroxide in synthesis of Cu NPs</p> <p>5- The following references must be added for experimental of antifungal activity</p> <ul style="list-style-type: none"> <li>Abdel-Rahman, L. H.; Abu-Dief, A. M.; El-Khatib, R. M.; Abdel-Fatah, S. M., 2016, Sonochemical synthesis, DNA binding, antimicrobial evaluation and in vitro anticancer activity of three new nano-sized Cu(II), Co(II) and Ni(II) chelates based on tri-dentate NOO imine ligands as precursors for metal oxides, J. Photochem. Photobio. B., 162 298–308</li> <li>Abdel Rahman, L. H., Abu-Dief, A. M., Moustafa, H., Hamdan, S. K., 2017, Ni(II) and Cu(II) complexes with ONNO asymmetric tetradentate Schiff base ligand: synthesis, spectroscopic characterization, theoretical calculations, DNA interaction and antimicrobial studies, Appl. Organometal. Chem., 31, e3555</li> </ul>	<p>1. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 23).</p> <p>2. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 163).</p> <p>3. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 57).</p> <p>4. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 177).</p> <p>5. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 234).</p> <p>6. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 120).</p>



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	6- Note below Table one should be opposite 7-Why antifungal activity of Cu NPs is more than copper sulfate? <b>Please clarify the ethical issue if any.</b>	7. The authors have read and consented to reviewer's comment. All changes are highlighted (Line 237).
<b>Minor</b> REVISION comments	The author should revise the language of manuscript carefully to remove any typographical or grammatical errors.	The authors have read and consented to reviewer's comment. All changes are highlighted.
<b>Optional/General</b> comments		