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| Book Name: | [Chemistry and Biochemistry: Research Progress](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4396** |
| Title of the Manuscript: | **COMPARATIVE STUDY ON THE SYNERGISTIC ACTION OF DIFFERENTIALLY SYNTHESIZED COPPER NANOPARTICLES WITH ESCHERICHIA COLI AND STAPHYLOCOCCUS AUREUS** |
| Type of the Article | **BOOK CHAPTER** |

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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 minimumof3-4 sentences may be required for this part.** | **Novel synthesis of Copper nanoparticles using plant extract and compare the result with chemical method of synthesis** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Present form not suitable** |  |
| 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.** | **Need revision** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Needs to cite recent references** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Full manuscriptNeed to check the grammer |  |
| Optional/Generalcomments | The manuscript entitled “**COMPARATIVE STUDY ON THE SYNERGISTIC ACTION OF DIFFERENTIALLY SYNTHESIZED COPPER NANOPARTICLES WITH ESCHERICHIA COLI AND STAPHYLOCOCCUS AUREUS”.** In this paper the author describe the synthesis of copper nanoparticles by chemical and green methods using *SansevieriaTrifasciata*(Snake Plant) root extract.Recommended for the publication after revisions.  **Comments:**  1. Under the heading Synthesisofcoppernanoparticles Chemical synthesis- no synthesis procedure are mentioned. Need to explain the synthesis procedure.  2. Under Characterization of copper nanoparticles, clearly explain the UV, SEM and EDX spectra clearly.  3. In phytochemicals analysis need to analysis with FTIR spectra, show the functional groups of phytochemicals, and the formation of copper nanoparticles,  4. In materials and methods, not clearly mentioned the concentration of copper sulphate solution prepared.  5. The molecular formula of the copper sulphate should be written inside the bracket.  6. If you use L- ascorbic acid as a reducing agent then, what is the use of *Sansevieriatrifasciata*root extract.  7. The botanical name of the plant write correctly throughout the manuscript.  8. There is no supporting literature for antibacterial activity  9. XRD spectra can be explained with suitable JCPDS number overlap in spectra  10. Maintain the uniformity in referencing in text.  11. Compare the Antibacterial activity with other metal nanoparticles.  12. The manuscript can be thoroughly check the grammar and update the recent references. |  |

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| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

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| **Reviewer Details:** | |
| Name: | **Chamaraja N A** |
| Department, University & Country | **Visvesvaraya Technical University, India** |