|  |  |
| --- | --- |
|  | |
| 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** |

|  |  |  |
| --- | --- | --- |
| 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.** | The synergistic effects of variably produced copper nanoparticles against two prevalent and clinically relevant bacterial pathogens, Escherichia coli and Staphylococcus aureus, are investigated in this manuscript, which is of great scientific value. Insights into how production techniques can affect the bactericidal activity of copper nanoparticles are provided by the study's comparison of the antibacterial efficacy of different formulations. In order to tackle the increasing problem of antibiotic resistance, it is imperative that more potent antimicrobial drugs be developed, and the results show promise in this regard. Further research on the improvement of nanoparticle-based treatments for bacterial infections may benefit from this study as well. |  |
| **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.**  **-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/Generalcomments |  |  |

|  |  |  |
| --- | --- | --- |
| **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)* |  |

|  |  |
| --- | --- |
| **Reviewer Details:** | |
| Name: | **Blessymol B** |
| Department, University & Country | **Navarasam Arts and Science College for Women, India** |