|  |
| --- |
|  |
| Book Name: | [Chemistry and Biochemistry: Research Progress](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4120** |
| Title of the Manuscript:  | **Biofunctional Textiles using β-Cyclodextrins** |
| 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 minimum of 3-4 sentences may be required for this part.** | This manuscript, titled 'Biofunctional Textiles using β-Cyclodextrins,' contributes significantly to the scientific community by exploring innovative applications of β-cyclodextrins in textile technology. It addresses a critical need for sustainable solutions in the textile industry by highlighting the potential of these compounds to enhance functionality, such as antibacterial and aromatic properties. However, the manuscript would benefit from clearer explanations and more comprehensive coverage of the methodologies and implications of the findings. Expanding on these aspects will not only strengthen the manuscript's impact but also provide a more thorough understanding of how β-cyclodextrins can revolutionize textile applications.. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, the title "Biofunctional Textiles using β-Cyclodextrins" is suitable as it accurately reflects the focus of the manuscript. However, if the manuscript addresses all concerns more comprehensively, a slightly more descriptive title could enhance clarity. For example, "Advancements in Biofunctional Textiles: Exploring the Role of β-Cyclodextrins in Enhancing Textile Properties" might provide a clearer indication of the manuscript's scope and significance |  |
| 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. | The abstract of the article is somewhat lacking in comprehensiveness and clarity. It does not provide sufficient detail about the study’s objectives , and key findings. I suggest expanding the abstract to include specific applications of β-cyclodextrins in textiles. Additionally, incorporating a statement about the significance of the findings and their potential impact on the textile industry would enhance the clarity and depth of the abstract. This would help readers better understand the context and importance of the research presented |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript is scientifically correct; however, it requires clearer clarification in certain areas. Improving the clarity of the writing and explanations will help ensure that the significance of the research is effectively communicated to the readers. This will enhance understanding and allow the audience to fully appreciate the implications of the findings |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references in the manuscript are generally sufficient; however, some of them are outdated. To enhance the manuscript's relevance and credibility, I recommend incorporating more recent references that reflect the latest advancements in the field of biofunctional textiles using β-cyclodextrins. For instance, recent studies have highlighted the diverse applications of β-cyclodextrins in textile technology, including their roles in antimicrobial treatments and the encapsulation of bioactive compounds.Additionally, utilizing standard referencing tools can improve the consistency and formatting of the citations throughout the manuscript. It would also be beneficial to include more figures and tables that illustrate key findings and concepts, as visual aids can significantly enhance the reader's understanding of the material presented. Incorporating data from various sources will provide a more comprehensive view of the topic. |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the language quality of the article is good and suitable for scholarly communication. |  |
| Optional/General comments | In general, even though this manuscript is a mini-review, it should be clear, descriptive, and visually engaging. The mechanisms underlying the applications of β-cyclodextrins in biofunctional textiles need to be clearly illustrated. Additionally, incorporating more tables and figures would significantly enhance the readability and comprehension of the content.The mini-review should also address the perspective of sustainability, emphasizing how these innovations contribute to environmentally friendly practices in the textile industry. Overall, the manuscript needs to present a stronger, more cohesive narrative; as it stands, it resembles a class assignment rather than a polished review suitable for publication. Enhancing these aspects will elevate the manuscript's quality and impact within the scientific community |  |

|  |
| --- |
| **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:** | **Worku Tegegne Molla** |
| **Department, University & Country** | **Wolkite University, Ethiopia** |