|  |
| --- |
|  |
| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4558** |
| Title of the Manuscript:  | **Biodegradation of Cetyltrimethylammonium Bromide and Methylparaben in Shampoo and Hair Dressing Salon Waste Using Bacteria Isolated from Sewage Treatment Sludge** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Archives of Current Research International, 3(3): 1-9, 2016.**

**DOI:** [**https://doi.org/10.9734/ACRI/2016/25278**](https://doi.org/10.9734/ACRI/2016/25278)

|  |
| --- |
| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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 research provides valuable insights into sustainable wastewater treatment solutions. The results demonstrate the effectiveness of bacteria from wastewater treatment sludge in breaking down cetyltrimethylammonium bromide (CTAB) and methylparaben (MP), potentially paving the way for cost-effective and environmentally friendly bioremediation techniques. This analysis is particularly relevant for professionals in the fields of environmental science, microbiology, and wastewater treatment research.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Typically, the title effectively captures the essence of the topic.** |  |
| 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 can be improved by clearly defining the impact of the results in relation to environmental sustainability.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **The values were properly processed, but it would have been preferable to analyze and establish correlations between the different variables to better explain the results.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **It would be beneficial to incorporate more recent literature !!!!???** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The manuscript's English is understandable but requires significant editing to improve fluency and clarity.*****\*These results agreed with that of the degradation of benzalkonium chloride (BAC) carried out by [30]."******These results are consistent with previous studies on the degradation of benzalkonium chloride (BAC) [30]."*****\*\**Hence the need to find a cost-effective and environmentally friendly means of eliminating these surfactants which was the focus of this work."******This study aims to develop a cost-effective and environmentally sustainable approach to eliminating surfactants from wastewater."*** |  |
| Optional/General comments |  |  |

|  |
| --- |
| **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:**

**Youssef SALAMA, University Moulay Ismail, Morocco**