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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\_5269** |
| Title of the Manuscript:  | **Synthesis and Characterization of Bio-Glycerol from Cameroon Palm Kernel Seed Oil** |
| 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.**

**Green and Sustainable Chemistry, 2022, 12, 28-40.**

[**https://doi.org/10.4236/gsc.2022.122003**](https://doi.org/10.4236/gsc.2022.122003)

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| 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.** | **The article emphasizes the importance of bio-glycerol in the scientific community by highlighting its synthesis and purification from Cameroon palm kernel oil by transesterification. The study promotes the validation of biodiesel by-products by showcasing a sustainable process for creating high-purity glycerol with advantageous physico-chemical characteristics. In line with initiatives for waste reduction and sustainable development, this work advances green chemistry and provides a renewable substitute for industrial uses in the food, cosmetic, and pharmaceutical industries.** |  |
| **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,** **In the abstract 3rd line : it is mechanical expeller not expression**  |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Yes, the manuscript appears to be scientifically correct in terms of its general methodology and findings.** |  |
| **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, but some sentence were rephrased, which looks odd (eg: In 2.2.2 line 4, it is writteh as ‘warmed to’ instead use the word ‘heated to’. In the same section line 9, instead of ‘swirled vigorously’ you can use ‘stirred at (mention the rpm)’. Kindly check throught your manuscript.  |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?**  |  |  |

**Reviewer details:**

**G. Antony Miraculas, St. Xavier’s Catholic College of Engineering, India**