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| Journal Name:  | Journal of Energy Research and Reviews |
| Manuscript Number:  | Ms\_JENRR\_137066  |
| Title of the Manuscript:  | Sustainable Biodiesel Production from Aphanamixis polystachya (Pithraj) Seeds: A Promising Non-Edible Feedstock for Renewable Energy  |
| Type of the Article  | Original Research Article  |

PART 1: Comments

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|   | Reviewer’s comment

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| Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer  |
| review. |   |

  | Author’s Feedback (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.   | There is an increasing demand for renewable energy sources, which attracts attention and shows the need for the analysis of alternative, and especially non-edible energy sources, among which the raw material for biodiesel production stands out, which is the subject of research in this scientific paper. Since the analysis of the composition and properties of biodiesel produced from non-edible raw materials that have not been extensively analyzed for the purpose of biodiesel production has been carried out, it represents a significant scientific contribution of the conducted research and this manuscript in this scientific field. This comparative study underscores the potential of Bio-Diesel from Pithraj seeds as a viable alternative to traditional diesel fuels, therefore, this scientific paper represents a scientific and professional contribution in these areas and I propose that it be published (with the necessary corrections to this manuscript, which are listed below).  |   |
| Is the title of the article suitable? (If not please suggest an alternative title)   | Yes it is.  |   |
| 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, the abstract of the article is comprehensive, and I do not suggest the addition (or deletion) of some points in this section.   |   |
| Is the manuscript scientifically, correct? Please write here.  | Yes the manuscript is scientifically correct.  |   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.  | It would be desirable to add more references to the paper. The references used are adequate and recent, but it would be good to add more references.  |   |
| Is the language/English quality of the article suitable for scholarly communications?   | Yes, the quality of the language/English of the article is suitable for scholarly communications.   |   |
| Optional/General comments   | It is necessary to thoroughly correct all spelling and grammatical errors, especially errors in citing literature in the manuscript of this scientific paper, which should be uniform throughout the entire manuscript, either by citing the author's name or the number of references in the order in which the same is used in the text of the paper.  Figure 1 needs to be redone - a clear image from which all text and numerical data listed in the image can be read is required in the paper, because the text cannot be read from this existing image that is now in the paper, and all text and all numerical data of each image listed in the scientific paper must always be clearly readable.  It would be desirable to add more references to the paper. The references used are adequate, but it would be good to add more references.    |   |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s Feedback** (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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