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| Journal Name: | [**Journal of Engineering Research and Reports**](https://journaljerr.com/index.php/JERR) |
| Manuscript Number: | **Ms\_JERR\_131594** |
| Title of the Manuscript: | **Crystallographic Investigation on PVA@PLA Nanocomposite Film by X-ray Diffraction: Revealed by High Resolution TEM** |
| Type of the Article | **Review Article** |

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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.** | **To Understand Structural Properties of Nanocomposites. To learn role of X-ray Diffraction (XRD). High-Resolution Transmission Electron Microscopy (HR-TEM) Insights. Applications in Packaging and Biomedical Fields. A review of XRD and HR-TEM studies contributes to better synthesis and processing strategies. It aids researchers in designing improved biodegradable and high-performance materials.** |  |
| **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. Please avoid diagrams from google. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Sufficient. Kindly arrange it in standard format. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | yes |  |
| **Optional/General** comments | **NIL** |  |

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| **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:**

**Megha K. Kothawade, Guru Gobind Singh College of Engineering & Research Centre, India**