

Review Form 3

| | |
|--------------------------|---|
| Journal Name: | Journal of Materials Science Research and Reviews |
| Manuscript Number: | Ms_JMSRR_125190 |
| Title of the Manuscript: | Basalt Fiber-Reinforced Polymer Composites: Properties, Applications, and Future Prospects |
| Type of the Article | Review Article |

Review Form 3

PART 1: Review Comments

| Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | The manuscript presents an important literature review on composites reinforced with basalt fiber. The compilation of information on the production processes, properties and applications of this material is very rich and important in the scientific scenario, given the future perspectives of its applications. | |
| 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 | |
| Are subsections and structure of the manuscript appropriate? | Yes | |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | The manuscript presents a considerable amount of information, making it technically robust, but easy to read. On the other hand, I would like to suggest some adjustments to improve the manuscript: - There is a lack of information about basalt fiber, in isolation, without being in a composite. I suggest creating an item with fiber characterization data. - In item 4, about microstructure analysis, I miss images of the works cited. I suggest including some SEM images of the works to illustrate what is mentioned in the text. - In figure 1 (a and b) the letters in the images are very small, making reading difficult. I suggest increasing. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. = | Yes | |
| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | Yes | |
| Optional/General comments | The manuscript presents an important literature review on basalt fiber reinforced composites. The compilation of information on the production processes, properties and applications of this material is very rich and important in the scientific scenario, given the future perspectives of its applications. I suggested some adjustments to improve the text. And I recommend publishing the article after review. | |

Review Form 3

PART 2:

| | Reviewer's comment | Author's comment <i>(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)</i> |
|---|--|---|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

| | |
|----------------------------------|---|
| Name: | Thuany Espirito Santo de Lima |
| Department, University & Country | Federal Center for Technological Education Celso Suckow da Fonseca, Brazil |