

ReviewForm3

JournalName:	JournalofMaterialsScienceResearchandReviews
ManuscriptNumber:	Ms_JMSRR_125190
TitleoftheManuscript:	BasaltFiber-ReinforcedPolymerComposites:Properties,Applications,andFutureProspects
TypeoftheArticle	ReviewArticle

PART1: ReviewComments

Compulsory REVISIONcomments	Reviewer'scomment	Author'sFeedback (Pleasecorrectthemanuscriptandhighlightthatpartinthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedbackhere)
<p>Pleasewriteafewsentencesregardingtheimportanceofthismanuscriptforthescientificcommunity.Whydo(ordislike)thismanuscript?Aminimumofsentencesmayberequiredforthispart.</p> <p style="text-align: right;">youlike 3-4</p>	<p>This manuscript providesa comprehensive reviewof BasaltFiber-Reinforced Polymer (BFRP) composites, which is valuableforresearchers and engineers working in materials scienceand various industries. Thepaper effectively synthesizes information on BFRP properties, manufacturing processes,applications, and futureprospects, offering asolid foundation for further researchand development.I particularly appreciate thebreadth of coverage, fromfundamental material properties to practicalapplications across multiple sectors. This review serves as an excellent resourceforboth newcomers tothe field and experienced professionals seeking an updated overview ofBFRPcomposites.</p>	
<p>Isthetitleofthearticlesuitable?(Ifnotpleasesuggestanalternativetitle)</p>	<p>Thetitle"BasaltFiber-Reinforced Polymer (BFRP) composites represent a significant advancement in materials science" is suitablebut could be more concise. Asuggested alternative: "Advancements in BasaltFiber-Reinforced Polymer (BFRP) Composites: Properties, Applications,and FutureProspects"</p>	

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<p>Istheabstractofthearticlecomprehensive?Doyousuggesttheaddition(ordeletion)ofsomepointsinthissection?Pleasewriteyoursuggestionshere.</p>	<p>The abstractiscomprehensive,coveringkeyaspectsof the review includingproperties, materials,manufacturingprocesses, applications,andfuture prospects.However, itcouldbe improved by:</p> <ul style="list-style-type: none"> • AddingabriefstatementonthesignificanceofBFRPcompositesinaddressingcurrent challenges in materials science. • Including asentence on the specific advantages of BFRP over other composite materials. • Mentioning key findings or trends identified in thereview. 	
<p>Aresubsectionsandstructureofthemanuscript appropriate?</p>	<p>Themanuscript'sstructureisgenerallyappropriate,coveringmaintopicologically.However, some improvements could be made:</p> <ul style="list-style-type: none"> • Consideraddingadedicated"Methods"sectionexplainingtheapproachtothisreview (e.g., literatureresearch criteria, time frame). • The"MicrostructureAnalysis"sectionseemssomewhatdisconnectedandcouldbe better integrated into the"Properties" section. • A separate"Challenges and Limitations" section before "Future Prospects" would provideamorebalancedview. 	
<p>Pleasewriteafewsentencesregardingthescientific correctnessofthismanuscript.Whydoyouthinkthat thismanuscriptisscientificallyrobustandtechnically sound?Aminimumof 3-4sentencesmayberequired forthispart</p>	<p>The manuscriptdemonstratesscientificrobustnessthroughitscomprehensivecoverage of BFRPcomposites,backedbynumerouspeer-reviewedreferences.It presentsa balancedview of the material'sproperties,manufacturingprocesses,andapplications,supportedbydata from multiple studies. The inclusionof both advantages and areas for improvement in BFRP compositesaddstoitsscientific credibility.The discussionof futureprospectsisgroundedin current research trends, further enhancing its technical soundness.</p>	
<p>Arethereferencesufficientandrecent?If youhave suggestionsofadditionalreferences,pleasemention theminthereviewform.</p>	<p>Thereferencesappear sufficient and includerecent publications. However,the reviewcould benefit from:</p> <ul style="list-style-type: none"> • Including morepapers from 2023-2024 to ensurethe most up-to-date information. • Adding references specifically addressing sustainability aspects of BFRPcomposites. • Including somereviewpapers on related composite materials forcomparison. 	
<p>MinorREVISIONcomments</p> <p>Isthe language/English qualityofthearticlesuitable forscholarlycommunications?</p>	<ul style="list-style-type: none"> • Simplify some complex sentencesforbetter readability. • Ensure consistent use oftechnical terms throughout themanuscript. • A thorough proofreadingto correct minor grammatical errorswould improveoverall polish. 	

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Optional/General comments

- Consider adding more visual aids (figures, tables, diagrams) to illustrate key concepts and data.
- Expand the discussion on emerging applications and potential future research directions.
- Include a brief comparison with other types of fiber-reinforced composites to contextualize BFRP's advantages and limitations.

From the information provided in the manuscript, I did not detect any obvious competing interest issues. The paper appears to be an objective review of BFRP composites, discussing various aspects including properties, manufacturing processes, applications, and future prospects. There is no indication that the authors are promoting specific products or companies, or that they have undisclosed financial interests related to the subject matter. However, it's worth noting that a formal declaration of competing interests (or lack thereof) is typically included in published papers, which I didn't see in this document. This may be something to add if it's not already planned for the final submission.

I did not identify any ethical issues in this manuscript. The paper appears to be a review of existing literature and technical information on BFRP composites. It does not involve human or animal subjects, nor does it present any original research that might raise ethical concerns. The authors seem to have appropriately cited their sources, avoiding plagiarism issues.

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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