Review Form 3

Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_124431**
Title of the Manuscript:	**INVESTIGATING THE ANISOTROPIC MECHANICAL BEHAVIOUR OF STEEL FIBRE-REINFORCED ALUMINIUM-BASE COMPOSITES**
Type of the 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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Are subsections and structure of the manuscript appropriate?		
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.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -		

Review Form 3

Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**		
Optional/General comments	. The type of casting technique is used for the development of the prepared composites, on the properties is not explained clearly. 2. Type of degassing agents is used while casting and its effects explain clearly. 3. There is a temperature difference between Aluminium and Steel rods, What is the mechanism behind of Fiber reinforced composites. 4. Tabulate Mechanical properties of aluminium electric cables (E9VE) and internal combustion engine parts of motorcycles)and rigid galvanized steel fiber performs for reinforcement. 5. How you a maximum fatigue stress of amplitude of 950 MN/m^2 taken? 6. Percentage elongation of 0° and 30° steel fiber orientations is 24.58, mean while how it improves UTS value of 132.70 (MN/m^2) in the same orientation(How you justifies more resistance to deformation If it increase percentage of elongation). 7. In Page no 7 , you written as HoundfieldTensometer, What it means? 8. How do you measure the Endurance limits of the composite material? 9. Yield strength of the composites not show cased anywhere in the paper. 10. Why interfacial shear strength is decreases in transverse direction? 11. Potential application of this type of Al-alloy- based composites should be discussed. **Note: I recommend of the research paper, I however would like to candidate incorporate corrections indicated in the report**	

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:

Name:	**Balaraj V**
Department, University & Country	**Rao Bahadur Y Mahabaleshwarappa Engineering College, India**