

## Review Form 1.7

Journal Name:	<b>Journal of Engineering Research and Reports</b>
Manuscript Number:	<b>Ms_JERR_118607</b>
Title of the Manuscript:	<b>EVALUATING THE MECHANICAL PROPERTIES OF FIBERGLASS-REINFORCED POLYMER BAR</b>
Type of the Article	

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy> )

## Review Form 1.7

### PART 1: Review Comments

	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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. Due to fiberglass corrosion-resistance capabilities, Glass Fiber-Reinforced Plastic (GFRP) is being used which replaces the usual steel rebar in concrete in building material. "Using fibers in concrete can increase the material's compressive strength, tensile strength, and Young's modulus of elasticity". <b>Yes! the manuscript is important for scientific community.</b></p> <p>2. "This study examined the mechanical characteristics of glass fiber-reinforced polymer (GFRP) bars following its introduction in the Ghanaian construction industry. Tensile strength, tensile failure strain, and modulus of elasticity for different GFRP bar diameters were examined". <b>Yes! the title of the article is suitable.</b></p> <p>3. <b>Yes! the abstract of the article comprehensive.</b></p> <p>4. <b>YES! The subsections and structure of the manuscript appropriate.</b></p> <p>5. Alsayed, S. H., Al-Salloum, Y. A., &amp; Almusallam, T. H. (2000). Performance of glass fiber reinforced plastic bars as a reinforcing material for concrete structures. Composites Part B: Engineering, 31(6-7), 555-567. <b>Yes! The manuscript is scientifically correct.</b></p> <p>6. <b>Yes! The references are sufficient but not recent, it would have been better if references from last ten years be included in research.</b></p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language is simple and basic quality is acceptable and suitable for scholarly communications.</p>	
<p><b>Optional/General</b> comments</p>	<p>Nil</p>	

### 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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

### Reviewer Details:

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