## ReviewForm3

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|---|---|
| JournalName: | **AsianJournalofAdvancedResearchandReports** |
| ManuscriptNumber: | **Ms_AJARR_122194** |
| TitleoftheManuscript: | **StrengthandDeformation:StructuralCharacteristicsofConcreteBeamsReinforcedwithGFRPBars** |
| TypeoftheArticle | **OriginalResearchArticle** |

## ReviewForm3

**PART1:ReviewComments**

| **Compulsory**REVISIONcomments | **Reviewer'scomment** | **Author'sFeedback***(Pleasecorrectthemanuscriptandhighlightthatpart inthemanuscript.Itismandatorythatauthorsshouldwritehis/herfeedback here)* |
|---|---|---|
| **Please write a few sentences regarding the importance ofthismanuscriptforthescientificcommunity.Whyd o youlike(ordislike)thismanuscript? Aminimumof3-4 sentences may be required for this part.** | **Thearticlepresents:**<br>**1. AnexplorationofthebehaviorofconcretebeamsreinforcedwithGFRPbars,providingessentiald ata for subsequent numerical studies.**<br>**2. AcomparisonbetweentheuseofGFRPandsteelbars,focusingoncriticalload,centraldisplacem ent, and strain distribution.**<br>**3. ResultsthathighlighttheflexuralperformanceofconcretebeamsreinforcedwithGFRPbars.** | |
| **Isthetitleofthearticlesuitable? (Ifnotpleasesuggestanalternativetitle)** | **"ConcreteBeamsReinforcedwithGFRPBars:AnalyzingStrengthandDeformationProperties".** | |
| **Is the abstract of the article comprehensive? Do you suggesttheaddition(ordeletion)ofsomepointsinthis section? Please write your suggestions here.** | **Intheabstract,theauthorsintroducetheabbreviation"RC"withoutdefiningitsmeaning. Itisrecommendedthatthefulltermbewrittenoutinitially,followedbytheabbreviation"RC"in parentheses for subsequent use.** | |
| **Aresubsectionsandstructureofthemanuscript appropriate?** | **Section2couldbereorganized.** | |
| **Please write a few sentences regarding the scientific correctnessofthismanuscript.Whydoyouthinkta t thismanuscriptisscientificallyrobustandtechnical ly sound? A minimum of 3-4 sentences may be required for this part.** | **1. Thearticlepresentsthemechanicalpropertiesnecessaryforin-depthnumericalstudiesonGFRP beams.**<br>**2. Theanalysisofflexuralbeams,throughbothexperimentalandtheoreticalstudies,undersco resa significant contribution by addressing two important fields.**<br>**3. Thestudyhighlightsseveralkeyadvantagesofusing GFRPbars,demonstratingstructureswithhi gher load capacities and increased ductility.** | |
| **Arethereferencessufficientandrecent?Ifyouhave suggestions of additional references, please mention them in the review form.**<br>**-** | **Taerwe,L.Non-metallic(FRP)reinforcementforconcretestructures:proceedingsofthesecond international RILEM symposium. CRC Press, 2004.**<br>**Thisbookcompilesstudiesonbeamsreinforcedwithvariousmaterialsunderflexuralanalysis,providin ga comparative assessment between GFRP and other materials.** | |
| MinorREVISIONcomments<br><br>**Isthelanguage/Englishqualityofthearticlesuitable for scholarly communications?** | **Yes.** | |
| **Optional/General**comments | **Suggestionatadjustmentofthetextaccordingtothecommentsinsertedinthereviewfile,where:**<br>**1. Theclarityofcertaintermsneedsimprovement.**<br>**2. Theorganizationoftheinformationpresentationrequiredattention.**<br>**3. Thestandardizationofnomenclaturewasnecessary.**<br><br>**Suggestiontocontributionofstudy:**<br>**1.Aductilitystudywillcontributetotheanalysisofthestudy.** | |

**ReviewForm3**

**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:**

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|---|---|
| Name: | **Guilherme Santos da Silveira** |
| Department, University & Country | **Federal Technological University of Paraná, Brazil** |