

Review Form 1.7

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_96780
Title of the Manuscript:	Incorporation of glass from used photovoltaic solar modules into the concrete matrix of construction as a partial replacement of cement in Burkina Faso
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.journalpsij.com/index.php/PSIJ/editorial-policy>)

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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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>1. yes Currently, there are a multitude of studies regarding the use of glass waste as a substitute for aggregates and cement. In this way, natural resources can be conserved, and the problems of waste management and reducing CO2 emissions by reducing the demand for cement can also be solved to some extent. The use of glass waste in construction materials represents a better approach to sustainability in construction.</p> <p>2. can be improved</p> <p>3. yes</p> <p>4. yes</p> <p>5. can be improved</p> <p>6. can be improved For example: Qin, D.; Hu, Y.; Li, X. Waste Glass Utilization in Cement-Based Materials for Sustainable Construction: A Review. Crystals 2021, 11, 710. https://doi.org/10.3390/cryst11060710 Siddika, A.; Hajimohammadi, A.; Ferdous, W.; Sahajwalla, V. Roles of Waste Glass and the Effect of Process Parameters on the Properties of Sustainable Cement and Geopolymer Concrete—A State-of-the-Art Review. Polymers 2021, 13, 3935. https://doi.org/10.3390/polym13223935</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>First of all, despite the few shortcomings, I appreciate your article as a good job. Revisions of punctuation and spelling should be made by the authors before paper publication.</p>	
<p>Optional/General comments</p>	<p>There is no figure 6.5.1 in the manuscript. It is not necessary to describe the procedure for ensuring the flatness and perpendicularity of the concrete samples, because they are presented in detail in NF P 18-416; the paper must focus on the results obtained from the research carried out. The paper should be completed with a comparative analysis, in the form of diagrams, of the results obtained by the author or authors of the manuscript and the results obtained by other researchers.</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>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

Name:	Mihaela Toderas
Department, University & Country	University of Petrosani, Romania