

[Review Form 3](#)

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|--------------------------|---|
| Journal Name: | Journal of Materials Science Research and Reviews |
| Manuscript Number: | Ms_JMSRR_125569 |
| Title of the Manuscript: | Carbon from Recycled Materials for Solar Thermal Evaporation and Oil Absorption |
| Type of the Article | |

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

<https://r1.reviewerhub.org/general-editorial-policy/>

Important Policies Regarding Peer Review

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PART 1: Review Comments

| <u>Compulsory</u> 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 |
|---|---|---|
| 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. | This manuscript will surely be helpful for the scientific community as it has provided comprehensive and detailed aspects of solar evaporation and absorption of water using carbon derived from waste materials. This will help tackle the problems related to access to clean drinking water. It will not only be helpful in this aspect but also will help in carbon capture and storage for exhaust emissions from chimneys of coal-based thermal power plants. | |
| Is the title of the article suitable? | Yes | |
| 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. | Yes | |
| Are subsections and structure of the manuscript appropriate? | Yes | |
| 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. | I found it scientifically correct as all the details, materials, methodology and results are being provided explicitly. The article is technically sound as not only the methodology and materials being explained properly but also the different Scanning electron microscopic images, Thermogravimetric and Differential Thermogravimetric Analysis Results, etc. are being provided. All the results are being provided with their graphs, images and tables thereby enhancing its readability. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Yes | |
| <u>Minor</u> REVISION comments | Yes | |
| Is the language/English quality of the article suitable for scholarly communications? | | |
| <u>Optional/General</u> comments | This research has the potential to contribute effectively in countering various challenges humanity is passing through such as water purification/access to safe drinking water, waste management, etc. | |

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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|----------------------------------|---|
| Name: | Abdul Kareem |
| Department, University & Country | SECAB Institute of Engineering and Technology, India |