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| Journal Name: | [**Journal of Materials Science Research and Reviews**](https://journaljmsrr.com/index.php/JMSRR) |
| Manuscript Number: | **Ms\_JMSRR\_129824** |
| Title of the Manuscript: | **DESIGN AND CONSTRUCTION OF A TOP-HAT BARREL KILN** |
| Type of the Article |  |

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| PART 1: 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. A minimum of 3-4 sentences may be required for this part.** | Since high cost of necessary materials, expensive energy generation, lack of fabricating equipment  Especially ‘kiln’, lack of processed materials and finally, limited research centers for  Ceramics material processing. For the nation to survive this downward economic  Trend, it becomes imperative to create strategies that are innovative and adaptable to  Combat the present national crisis.so this article clearly explains how Barrel kiln can be a practicable alternative to other kiln firing. A barrel kiln is a type of kiln made  From waste barrel oil container or any container that has been lined with refractory  Materials (such as brick, ceramic fibers…) to enable the container to radiate and  Conserve the heat during ceramic firing process. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **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** |  |
| Is the manuscript scientifically, correct? Please write here. | YES |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | REFERENCES SHULD BE NUMBERED , AND SHOULD BE QUOTED PROPERLY. |  |
| Is the language/English quality of the article suitable for scholarly communications? | YES |  |
| Optional/General comments |  |  |

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| **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)* |  |

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| **Reviewer Details:** | |
| Name: | **Punya Krishnan B** |
| Department, University & Country | **Kerala University of Health Sciences, India** |