

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_120228
Title of the Manuscript:	A Short Review Of Yttria-Stabilized Zirconia (YSZ) for Thermal barrier coatings: Recent Progress
Type of the Article	Minireview Article

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PART 1: Review Comments

Compulsory 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 feedback here)
Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	The manuscript titled "A Short Review Of Yttria-Stabilized Zirconia (YSZ) for Thermal Barrier Coatings: Recent Progress" provides a comprehensive review of the recent advancements in YSZ as a material for thermal barrier coatings. The paper is well-structured, scientifically robust, and technically sound. It effectively discusses the properties, applications, and recent developments of YSZ, making it a valuable resource for researchers and engineers in the field. The language is clear and suitable for scholarly communication, and the references are sufficient. However, the manuscript contains numerous formatting and language issues. Extensive editing and refinement are necessary to meet the writing standards of the Journal of Engineering Research and Reports.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title is suitable for the content of the manuscript. However, a slight adjustment to "Recent Progress in Yttria-Stabilized Zirconia (YSZ) for Thermal Barrier Coatings" could make it more concise.	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is comprehensive but could benefit from highlighting the key findings and implications of recent advancements more explicitly.	
Are subsections and structure of the manuscript appropriate?	The subsections and structure of the manuscript are appropriate. Ensure that each subsection is clearly defined and follows a logical flow.	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.	The manuscript is scientifically robust and technically sound. The comprehensive review of recent advancements, coupled with a critical analysis of various techniques, enhances its credibility and value. The detailed discussion on the properties, applications, and latest developments in YSZ coatings provides a thorough understanding of the subject, making it a valuable contribution to the field. The inclusion of various fabrication methods and comparative analyses further strengthens the scientific rigor of the manuscript.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. :	The references are sufficient but should be updated to include more recent studies, especially from the past five years, to ensure the review reflects the latest research developments in the field. Incorporate findings from recent high-impact journals to provide a more current perspective on the advancements in YSZ coatings.	
Minor REVISION comments Is language/English quality of the article suitable for scholarly communications?	The manuscript requires minor grammatical corrections and consistency checks. Correct typographical errors and ensure proper spacing and formatting throughout the document.	
Optional/General comments	Add a comparative analysis of YSZ with other potential thermal barrier materials to highlight its advantages and limitations more clearly. Consider providing a section that outlines future research directions and potential applications of YSZ in emerging technologies. Including a graphical abstract could help summarize the key points visually and make the manuscript more engaging.	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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