

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_124403
Title of the Manuscript:	Preparation and properties of composite oxide hydrogen blocking coatings by sintering method
Type of the Article	

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 research contributes to the development of advanced materials with enhanced functional properties. The findings could be valuable for industries such as aerospace, automotive, and energy. Further research could explore the coating's performance under various operating conditions and its potential for other applications.	
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.	The abstract provides a concise overview of the research, highlighting the key findings. It effectively conveys the preparation method, sintering temperature, and the resulting coating properties.	
Are subsections and structure of the manuscript appropriate?	Additional Considerations: Figures and Tables: Use clear and informative figures and tables to visually represent the data and results. References: Cite relevant literature to support your findings and provide context. Acknowledgements: Acknowledge any funding sources, collaborators, or technical assistance.	
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.	Need improvements: Comprehensive Characterization: The coating was characterized using appropriate techniques to evaluate its microstructure, structure, and properties. Data Analysis and Discussion: The results are presented in a clear and minimum logical manner, with a discussion of the relationship between processing parameters, microstructure, and properties.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language quality of the article appears to be suitable for scholarly communication.	
<u>Optional/General</u> comments		

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>	

Reviewer Details:

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