Review Form 1.7

Journal Name:	**Journal of Materials Science Research and Reviews**
Manuscript Number:	**Ms_JMSRR_110288**
Title of the Manuscript:	**Production of Engobe for Ceramic Decoration.**
Type of the Article	

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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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**1. The manuscript holds significant importance for the scientific community as it delves into the production of engobe for ceramic decoration. By thoroughly investigating raw materials, formulation methodologies, and application techniques, the research contributes valuable insights that can advance the craft of ceramic decoration. The detailed analysis of various factors, including chemical compositions, mineralogical properties, and firing processes, provides a comprehensive understanding that can benefit both researchers and practitioners in the field.** **2. The title is suitable and accurately reflects the scope of the manuscript, focusing on the production of engobe for ceramic decoration. It effectively communicates the key subject matter and aligns with the content of the research.** **3. The abstract is largely comprehensive, providing a concise overview of the research objectives, methods, and key findings. However, it could benefit from including a brief mention of the practical implications of the research and its potential contributions to the field of ceramic decoration.** **4. The subsections and structure of the manuscript are well-organized, facilitating a clear and logical flow of information. Each section addresses specific aspects of the research, contributing to the overall coherence of the manuscript.** **5. The manuscript is scientifically sound, addressing key considerations such as raw material analysis, formulation methodologies, application techniques, and firing processes.** **6. The references are appropriately cited.** **7. Introduction: The introduction provides a comprehensive overview of the significance of ceramic decoration and the role of engobe in this context. However, it would be beneficial to include a brief summary of existing research in the field and highlight the specific gaps or areas where this study aims to contribute.** **8. Formulation Methodologies: The complexity of engobe formulation is rightly emphasized, but more detail on the specific proportions and methods employed in the formulations would be valuable. Consider providing a comparison of different formulations and their impact on key properties like rheology, color stability, and adhesion.** **9. Application Techniques: The exploration of application techniques (brushing and dipping) is a crucial aspect of the research. It would be beneficial to elaborate on any challenges encountered during the application process and how they were addressed. Additionally, consider discussing any variations in the final results based on the application technique used.** **10 Firing Processes: The firing processes at 1100 ^{0}C are mentioned in the abstract, but it would be helpful to elaborate on the rationale behind selecting this temperature and how it influences the stability of engobe. Any variations in firing temperatures and their impact on the final characteristics of engobe-coated ceramics should be discussed.**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	The language used is generally clear. The language and English quality of the article are suitable for scholarly communication.	
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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