

Review Form2

Book Name:	Recent Developments in Chemistry and Biochemistry Research
Manuscript Number:	Ms_BPR_2390
Title of the Manuscript:	Development of new sol-gel materials with citrus waste based on the principles of the circular economy
Type of the Article	Book Chapter

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 feedback here)
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 is valuable for its innovative use of bio-waste in synthesizing silica-based materials via the sol-gel method. It highlights a sustainable approach by incorporating orange and lemon peels, aligning with circular economy principles. The detailed analysis of acidity and morphology offers insights into reducing reliance on conventional catalysts. This work is commendable for advancing eco-friendly material science.	
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 good overview but could be streamlined for greater impact.	
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.	This manuscript demonstrates scientific robustness and technical soundness through its systematic approach to applying the sol-gel method with citrus waste. The use of well-established characterization techniques, such as SEM, FT-IR, potentiometric titration, and XRD, provides a comprehensive analysis of the synthesized materials. The study's methodology aligns with current principles in circular economy and waste valorization, adding practical significance to its findings. Additionally, the manuscript's results on the effectiveness of citrus waste in partially replacing traditional acids highlight its potential impact in both environmental sustainability and material science.	
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?	Yes	
Optional/General comments	Suggesting possible future research directions could strengthen the manuscript.	

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)	

Reviewer Details:

Name:	K.M.N.T.K.Bandara
Department, University & Country	National Institute of Education, Sri Lanka