

[Review Form 2](#)

Book Name:	Chemical and Materials Sciences: Developments and Innovations
Manuscript Number:	Ms_BPR_3845
Title of the Manuscript:	Microwave-assisted heating in a novel thin film-liquid spinning coaxial reactor
Type of the Article	Book chapter

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 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 presents an innovative approach to microwave-assisted heating through a novel thin-film liquid spinning coaxial reactor. Its potential to enhance reaction rates, improve reagent mixing, and optimize energy usage aligns with the goals of sustainable and efficient green chemistry technologies. The manuscript investigate key effects and challenges for optimizing the thin-film MW-assisted spinning coaxial reactors	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, "Microwave-assisted heating in a novel thin film-liquid spinning coaxial reactor," is suitable and accurately reflects the study's focus. However, it could be slightly refined for clarity, e.g., "Microwave-Assisted Heating in a Novel Thin-Film Spinning Coaxial Reactor for Enhanced Chemical Processes."	
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.	-	
Are subsections and structure of the manuscript appropriate?	The manuscript is well-structured, with clear subsections delineating the reactor design, experimental setup, results, and conclusions.	
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.	The manuscript demonstrates scientific rigor through its detailed experimental design, precise measurement techniques, and thoughtful analysis of results. The use of both ethanol and methanol as reference liquids is backed by suitable references.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are adequate and include recent studies. However, include more citations to previous work done for optimizing the thin-film MW-assisted spinning coaxial reactors.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language is suitable for scholarly communication, but minor grammatical refinements and simplifications in complex sentences could improve readability.	
Optional/General comments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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