

BPI Review Form 070520

Book Name:	<u>Current Perspective to Physical Science Research</u>
Manuscript Number:	Ms_BP_8018E
Title of the Manuscript:	Modern Trends in Design of Catalysts for Transformation of Biofuels into Syngas and Hydrogen: From Fundamental Bases to Performance in Real Feeds
Type of the Article	book chapter

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here)</i>
Is the manuscript important for the scientific community? Please write a few sentences explaining your answer	Yes	
Is the title of the article suitable? Do you have any alternative Title in your mind?	NA	
Is the abstract of the article comprehensive? If your answer is No, please provide suggestions	Yes	
Do you think the English quality of the article is suitable for scholarly communications? If your answer is No, please provide suggestions	Yes	
Please provide your comments regarding the appropriateness of different sections of the manuscript.	The paper “Modern Trends in Design of Catalysts for Transformation of Biofuels into Syngas and Hydrogen: From Fundamental Bases to Performance in Real Feeds” The review provides an in-depth exploration of catalysts for biofuel transformation into syngas and hydrogen, focusing on catalyst properties, specifically those based on cerium-zirconium mixed oxides, perovskite oxides, and spinels. 1. Though the content is complex, and the paper could benefit from a more structured organization to enhance clarity. 2. The review is well-organized and written clearly and concisely. The flow of information is logical, making it easy for the reader to follow the key points. 3. Figures and tables are used effectively to support the content, providing visual aids to complement the textual information. 4. The comprehensive coverage of various catalyst components, synthesis methods, and characterization techniques contributes to the overall strength of the review. Please improve Language and Style: The language is technical, which is appropriate for the target audience. However, strive for clarity and simplicity where possible. References: Ensure consistency in citation styles throughout the manuscript. Graphics: Improve figure and table clarity with detailed captions and legends. The review provides a valuable contribution to the understanding of catalyst design for biofuel transformation into syngas. The detailed analysis of various catalyst components and the use of advanced characterization techniques contribute to the scholarly significance of the work.	

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Do you think that the references in the manuscript are proper, recent and sufficient? If you have any suggestions, please write here.	Yes	
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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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