

[Review Form2](#)

Book Name:	Recent Developments in Chemistry and Biochemistry Research
Manuscript Number:	Ms_BPR_3722
Title of the Manuscript:	Artificial Photosynthesis: Visible Light-Activated TiOCl ₂ /2-Phenyl Indole Complexes for Atmospheric CO ₂ and H ₂ O Capture and Long-Chain Organic Products Generation
Type of the Article	BOOK CHAPTER

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 manuscript holds significant importance for the scientific community as it addresses a critical challenge: converting atmospheric CO ₂ and H ₂ O into long-chain organic products through artificial photosynthesis. The innovative use of visible light-activated TiOCl ₂ /2-phenyl indole complexes offers a sustainable approach to carbon capture and utilization, contributing to the global efforts to mitigate climate change. Additionally, the generation of valuable organic compounds highlights its potential for industrial applications. I appreciate this manuscript for its novel approach and interdisciplinary relevance, bridging materials science, chemistry, and environmental sustainability.	
Is the title of the article suitable? (If not please suggest an alternative title)	Its good	
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.	No its ok	
Are subsections and structure of the manuscript appropriate?	Remove extra spacing throughout the article	
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 appears scientifically robust and technically sound due to its comprehensive experimental design and use of advanced techniques for material synthesis and characterization. The authors have employed visible light-activated TiOCl ₂ /2-phenyl indole complexes, demonstrating a clear understanding of photochemical mechanisms and their application in artificial photosynthesis. The data presented, including the capture of atmospheric CO ₂ and H ₂ O and the generation of long-chain organic products, are supported by thorough analyses and reproducible results. Furthermore, the discussion of results is well-grounded in existing literature, reinforcing the scientific validity of the proposed methodology.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	yes	

Review Form2

Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	yes	
<u>Optional/General</u> comments		

PART 2:

	<u>Reviewer's comment</u>	<u>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)</u>
<u>Are there ethical issues in this manuscript?</u>	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Reviewer Details:

Name:	Muhammad Sajid
Department, University & Country	University of Agriculture, Pakistan