

[Review Form3](#)

Book Name:	<a href="#">Science and Technology: Developments and Applications</a>
Manuscript Number:	Ms_BPR_4187
Title of the Manuscript:	Prospect and Provocation of Designing Sustainable Energy Supply Systems
Type of the Article	BOOK CHAPTER

**PART 1: 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>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	This manuscript is of profound significance to the scientific community, as it tackles critical challenges in designing sustainable energy supply systems—an essential pillar for addressing climate change and mitigating environmental degradation. By integrating technology assessment methods with environmental footprint analysis, the study offers a comprehensive framework for evaluating and optimizing energy systems. It underscores the necessity of a holistic approach that moves beyond dependence on fossil fuels or renewable resources alone, aligning with global initiatives like the European Green Deal. This research not only advances understanding in technology and environmental science but also provides actionable strategies to foster a sustainable, resource-efficient future.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The title, "Prospect and Provocation of Designing Sustainable Energy Supply Systems," is intriguing but could be clearer, with alternatives like "Opportunities and Challenges in Designing Sustainable Energy Supply Systems" offering better focus and specificity.	
<b>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.</b>	The abstract is comprehensive but would benefit from enhanced clarity, structure, and conciseness. To improve, consider the following: <ul style="list-style-type: none"> <li>Clearly articulate the manuscript's objectives, highlight key findings, and emphasize practical implications for real-world applications and policy-making.</li> <li>Eliminate repetitive phrases and overly broad statements, such as repeated references to the holistic approach or the need for integrating environmental considerations, focusing instead on specific challenges and solutions.</li> </ul>	
<b>Is the manuscript scientifically, correct? Please write here.</b>	Overall Assessment: The manuscript explores critical topics but needs greater scientific rigor, transparency, and clarity to enhance accuracy and presentation. <ul style="list-style-type: none"> <li>Refine grammar and clarity, simplifying complex sentences and reducing repetition, especially in sustainable development discussions.</li> <li>Enhance Methodological Rigor :Specify metrics, tools, or software for environmental footprint analysis and technology assessment.</li> <li>Update figures and trends on renewable energy, global energy consumption, and climate change impacts.</li> <li>Focus on Quantitative Evidence:Include data or modeling results to substantiate claims about renewable energy potential and emissions mitigation.</li> <li>Figures like 1, 4, and 5 are essential but lack detailed descriptions in the text.</li> <li>The conclusion is too general; emphasize key findings, actionable recommendations, and future research directions.</li> <li>Ensure references are current and directly support key points.</li> </ul>	

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<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p> <p>-</p>	<p>The references include a combination of recent and older sources, many of which date back to the 1990s and early 2000s. To strengthen the manuscript, it is essential to incorporate recent studies on energy systems, renewable technologies, and climate impacts, while updating IPCC references to the latest AR6 (2021). Additionally, citations of recent advancements in technology assessment, environmental impact analysis, and policy, such as the European Green Deal, should be included. It would also be beneficial to add peer-reviewed articles and reports from 2020 onward to ensure relevance and currency.</p>	
<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language meets scholarly standards but could benefit from clearer, more concise sentences, with reduced repetition and improved grammar for better readability.</p>	
<p><b>Optional/General</b>comments</p>	<p>The manuscript addresses important topics in energy systems and environmental impacts, but improvements in clarity, methodological transparency, and citation updates would enhance its scholarly quality. A more focused approach with updated references, recent data, and improved structure would strengthen the overall presentation and scientific rigor. Additionally, clearer visual descriptions for figures and a more specific conclusion would help clarify key findings.</p>	

**PART 2:**

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

**Reviewer Details:**

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<p><b>Department, University &amp; Country</b></p>	<p><b>Bright Star University, Libya</b></p>