Book Name:	Science and Technology: Developments and Applications
Manuscript Number:	**Ms_BPR_3923**
Title of the Manuscript:	**Sustainable Artificial Intelligence (AI): Challenges Confronted**
Type of the Article	**Book chapter**

PART 1: 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. A minimum of 3-4 sentences may be required for this part.	The manuscript addresses a highly relevant topic – the challenges of sustainable artificial intelligence (AI). The topic is critical for contemporary discussions on balancing technological innovation with environmental, social, and economic sustainable goals. While the subject matter is important, the manuscript's poor presentation, insufficient depth of analysis, and problematic references reduce its potential usefulness to the scientific community.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	The current title, "Sustainable Artificial Intelligence (AI): Challenges Confronted," is somewhat appropriate but could be more concise and indicate the manuscript's core content. A suggested alternative title is: "Challenges of Sustainable Artificial Intelligence: Environmental, Social, and Economic Perspectives."	
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 lacks clarity and coherence. Numerous grammatical errors, vague phrasing, and a lack of focus diminish its effectiveness. The authors should revise it to provide a concise and structured summary of the manuscript's key points, including specific challenges, their implications, and proposed future directions. For example: - Focus more on specific sustainability challenges posed by AI. - Avoid redundant statements that do not contribute new information, such as "daily chores are executed under AI umbrella." Instead, consider rephrasing to emphasize specific applications or impacts of AI. - Explicitly mention the domains of sustainability explored in the manuscript.	
Is the manuscript scientifically, correct? Please write here.	The manuscript raises several important points but lacks evidence for some claims. For example: - The statement that AI-powered assistants like ChatGPT use "10 times more energy than normal search engines" requires credible and specific references. - The claim that AI infrastructure uses "six times more water than Denmark" is cited, but source [4] does not contain any such information. This raises concerns about the accuracy and credibility of this reference. - Assertions about job displacement and income inequality caused by AI need deeper analysis and more recent data.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	The manuscript's reference list includes multiple entries from the same authors (D. Aggarwal, D. Sharma, and A. B. Saxena), which raises concerns about a lack of diversity in cited sources. Moreover: - Many references are not cited in the text, which is a significant flaw. - Some references appear unrelated to the specific claims they are meant to support, e.g., certain sources do not contain the figures cited as originating from them. - More recent and thematically aligned references from high-impact journals, such as *Nature Sustainability* or *Energy AI*, should be incorporated.	

Is the language/English quality of the article suitable for scholarly communications?	The manuscript is poorly written in terms of English language quality. There are numerous grammatical errors, inconsistent tenses, and awkward phrasing. These issues severely impact readability and the overall scholarly value of the work. Examples include: - Phrases like "AI is pool of technologies" and "to bout with the scope of study" are unclear and ungrammatical. - Repeated sentences and ideas (e.g., "we are living in a Digital Universe") distract from the manuscript's focus. A professional language editing service is strongly recommended. I recommend using tools like Grammarly or professional editing services to improve language quality.	
Optional/General comments	The manuscript needs significant revisions to: 1. Improve clarity and coherence. 2. Verify claims with credible and diverse references. 3. Ensure ethical and accurate use of figures. 4. Address grammatical and syntactical issues throughout the text. While the manuscript addresses a critical and timely topic, its poor language quality, lack of diverse and credible references, insufficient depth, and ethical concerns necessitate major revisions. Only after significant improvements can the manuscript be reconsidered for inclusion in the book.	

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:

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