

## Review Form 1.6

Journal Name:	<b>Journal of Energy Research and Reviews</b>
Manuscript Number:	<b>Ms_JENRR_92060</b>
Title of the Manuscript:	<b>Energy Resources for Sustainable Development: Benefits to the Environment</b>
Type of the Article	<b>Review Article</b>

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljenrr.com/index.php/JENRR/editorial-policy> )

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**PART 1: Review Comments**

	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)
<b>Compulsory</b> REVISION comments	<ol style="list-style-type: none"> <li>1. The introduction section is weak, as it is necessary to focus more on the main topic of the article (renewable energy) and then write the goal of the study at the end of the section.</li> <li>2. Section 2.0 talks more about sustainable development, should also focus on energy resources and create an entrance to the following paragraphs (2.1 &amp; 2.2) at the end of this section.</li> <li>3. In paragraph 4.3, reference should be made to a reliable reference that proves the validity of these classifications (Conventional and Non-Conventional).</li> <li>4. In section 5.0, the title has nothing to do with what is written in it, I highly recommend changing it (the text) and replacing it with a brief writing on renewable and non-renewable energy types with reference to one or more references that prove the classifications are correct. Or just the title, given that paragraph 5.1 contains a brief explanation of renewable energy and paragraph 5.2 contains a brief explanation of non-renewable energy.</li> <li>5. Combine paragraph 5.2.4 with paragraph 5.2.3 and focus more on the dangers of nuclear energy.</li> <li>6. Support the article with recent references (2020-2022). I suggest you add some references to refer and cite in solar energy paragraph:  <a href="https://doi.org/10.53523/ijoirVol8I3ID86">https://doi.org/10.53523/ijoirVol8I3ID86</a>  <a href="http://dx.doi.org/10.14710/ijred.2022.43713">http://dx.doi.org/10.14710/ijred.2022.43713</a></li> </ol>	
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"> <li>1. Paragraph title 2.1 is incorrect. Replace it with "Energy, Exergy and Anergy".</li> <li>2. The mathematical equations used in this article should be referenced in the text.</li> <li>3. Figures 1, 3 are not very clear, replace them with Figures more clear.</li> <li>4. Figures and Tables must be mentioned in the text. Some of them are not mentioned in the text.</li> <li>5. The font size of the main titles (sections) must be greater than the font size of the secondary titles (paragraphs).</li> </ol>	
<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>1. It is preferable to add an illustration schematic at the end of the paragraph 2.1 like this:</li> </ol>	

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**Energy source**

**Process**      **Energy**

**Exergy**

2. It is preferable to add an illustration schematic for the paragraph 5.1.5 like this:

CRUST  
MANTLE  
OUTER CORE  
INNER CORE

3. It is preferable to add an illustration schematic for the paragraph 5.1.8 like this:

**Energy in**

Hydrogen production  
 $H_2O \rightarrow H_2 + 1/2O_2$

**Carbon in**      **Carbon out**

Non-renewable CO<sub>2</sub> from flue gas etc      Air capture of CO<sub>2</sub>      Methanol synthesis  
 $CO_2 + 3H_2 \rightarrow CH_3OH + H_2O$       Synthetic hydrocarbon products

Release of CO<sub>2</sub> to atmosphere      Combustion  
 $CH_3OH + 3/2O_2 \rightarrow CO_2 + 2H_2O$

**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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