

Manuscript: “**Etude Comparative De La Rentabilité Des Systèmes De Pompage Solaire Et Thermique Sur Le Périmètre Irrigué De Soumarana Au Niger**”

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Peer review:

**Reviewer 1:** ADAMOU Mahaman Moustapha, Université Abdou Moumouni de Niamey, Niger

**Reviewer 2:** Blinded

**Reviewer 3:** Bouzidi Belkacem, Development Centre of Renewable Energies/Algiers-Algeria

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University/Country: Université Abdou Moumouni de Niamey, Niger	
Date Manuscript Received: 11 décembre 2021	Date Review Report Submitted: 12 décembre 2021
Manuscript Title: <b>Etude comparative de la rentabilité des systèmes de pompage solaire et thermique : Cas du périmètre irrigué de Soumarana au Niger</b>	
ESJ Manuscript Number: 72.12.2021	
You agree your name is revealed to the author of the paper: Yes	
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## **Evaluation Criteria:**

Please give each evaluation item a numeric rating on a 5-point scale, along with a thorough explanation for each point rating.

<i>Questions</i>	<i>Rating Result</i> [Poor] 1-5 [Excellent]
<b>1. The title is clear and it is adequate to the content of the article.</b>	<b>4</b>
<i>I propose to modify the title : Etude comparative de la rentabilité des systèmes de pompage solaire et thermique sur le périmètre irrigué de Soumarana au Niger (insert your comments)</i>	

<b>2. The abstract clearly presents objects, methods and results.</b>	<b>3</b>
<i>(Please insert your comments)</i>	
<b>3. There are few grammatical errors and spelling mistakes in this article.</b>	<b>3</b>
<i>(Please insert your comments)the comments are in the text</i>	
<b>4. The study methods are explained clearly.</b>	<b>4</b>
<i>(Please insert your comments)</i>	
<b>5. The results are clear and do not contain errors.</b>	<b>4</b>
<i>(Please insert your comments)</i>	
<b>6. The conclusions or summary are accurate and supported by the content.</b>	
<i>(Please insert your comments)my comments are in the text</i>	
<b>7. The references are comprehensive and appropriate.</b>	<b>4</b>
<i>(Please insert your comments)</i>	

**Overall Recommendation** (mark an X with your recommendation) :

Accepted, no revision needed	
Accepted, minor revision needed	<b>X</b>
Return for major revision and resubmission	
Reject	

**Comments and Suggestions to the Author(s): see the text**

**Comments and Suggestions to the Editors Only:**

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Reviewer Name: Bouzidi	
University/Country: Development Centre of Renewable Energies/Algiers-Algeria	
Date Manuscript Received: 11/12/2021	Date Review Report Submitted:
<b>Manuscript Title: Comparative study of the profitability of solar and fuel powered pumping systems: Case of the Soumarana irrigated perimeter in Niger</b>	
ESJ Manuscript Number: 1272/21	
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## **Evaluation Criteria:**

**Please give each evaluation item a numeric rating on a 5-point scale, along with a thorough explanation for each point rating.**

<i>Questions</i>	<i>Rating Result</i> [Poor] 1-5 [Excellent]
<b>1. The title is clear and it is adequate to the content of the article.</b>	<b>4</b>
<i>The title is clear and it is adequate to the content of the article</i>	
<b>2. The abstract clearly presents objects, methods and</b>	<b>3.5</b>

<b>results.</b>	
<i>The summary provides an overview of the study carried out on a number of samples representing the operators. The main results have been shown. However, the working method is less presented.</i>	
<b>3. There are few grammatical errors and spelling mistakes in this article.</b>	<b>2</b>
<i>There are grammatical errors and spelling mistakes to correct in this article. (Please insert your comments)</i>	
<b>4. The study methods are explained clearly.</b>	<b>2</b>
<i>The method of calculation adopted is not very clear. Lacks some definition and formulation for understanding the results</i>	
<b>5. The results are clear and do not contain errors.</b>	<b>2.5</b>
<i>The results seem correct, although some are incomprehensible for lack of proper explanation. Serious economic study is indicated given the importance of pumping systems by renewable energy in these regions of Africa (Sahel countries)</i>	
<b>6. The conclusions or summary are accurate and supported by the content.</b>	<b>2.5</b>
<i>A very light conclusion, concrete proposals for large-scale use would have been appreciated</i>	
<b>7. The references are comprehensive and appropriate.</b>	<b>5</b>
<i>The references are comprehensive and appropriate</i>	

**Overall Recommendation** (mark an X with your recommendation) :

**Comments and Suggestions to the Author(s):**

In the poor regions of Africa (Sahel and Sahara countries) pumping by renewable energies takes on a very particular character; financially and environmentally. A complete and meticulous technical-economic study is very important and above all comprehensive. Keep in mind that your study should be understood by all scientists of different specialties.

Improvements and corrections are needed in your study.

**Comments and Suggestions to the Editors Only:**

*Interesting work insofar as the authors are interested in a major problem of poor regions of Africa, the energy and food deficit. However, I have*

*expressed reservations in particular on the method used which should be more elaborate and more complete. Grammar and spelling mistakes to correct, a conclusion to be enriched, and proposals for a more reactive use of the renewable energy source*