Review Form 1.7

Journal Name:	**Asian Journal of Advanced Research and Reports**
Manuscript Number:	**Ms_AJARR_96308**
Title of the Manuscript:	**Test Bituminous Coal Activated Carbon by Use Hydrochloric Acid (HCl) Activator as Electrode Material**
Type of the Article	**Original Research Article**

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.journalajarr.com/index.php/AJARR/editorial-policy)

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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**1. Yes, the manuscript is important for scientific community.** In this study, bituminous coal was used manufacture activated carbon with treating it with hydrochloric acid (HCl) activator. Bituminous coal is a naturally abundant resource for activated carbon which can bring down the coast of the raw material which will in turn reduce the cost of device paving the path for the commercial utilization of the supercapacitor device in large scale. This study aimed to determine the characteristics and potential of activated carbon from bituminous coal using hydrochloric acid (HCl) activator as a base material in the manufacture of supercapacitor electrodes. 2. Yes, the title of the article is suitable enough. 3. Yes, the abstract of the article is comprehensive. 4. Yes, the subsections and structure of the manuscript are appropriate. 5. Yes, the manuscript is scientifically correct. However, some more results are required to be included to determine the electrochemical performance of the activated coal as supercapacitor electrode. 6. Yes, the references are sufficient and recent.	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Yes, the quality of English in the article is suitable for scholarly communications.	
Optional/General comments	Comment 1: Few more keywords reflecting the work projected in the manuscript should be included. Comment 2: The pore size distribution should also presented with the help of other more reliable characterizations like N2 adsorption desorption. Comment 3: The effect on the specific surface area on the porosity should be projected. This is an important aspect as for supercapacitor electrode the specific surface area plays a major role in determining the materials specific capacity. Comment 4: EDX ray analysis should be provided to look into the content of the material. Comment 5: Some electrochemical data including Cyclic voltammetry, Galvanostatic charging discharging and electrochemical impedance spectroscopy should be provided to affirm the adequateness of the quality of the produced material as a supercapacitor electrode material.	

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)*	

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Reviewer Details:

Name:	**Mandira Majumder**
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