INDIAN STREAMS RESEARCH JOURNAL ISRJ International Recognition Multidisciplinary Research Journal ISSN: Impact Factor:2230-7850 ORIGINALARTICLE Vol. - V, Published: Issue - V, June 2015 1st June 2015 **CONSTRUCTION OF AGAR SALT BRIDGE MICROBIAL FUEL CELL (MFC) AND BIOELECTRICITY PRODUCTION FROM** WASTE Your Article **QR** Code Gowramma **Buddolla** See your article on Mobile

ARTICLE REVIEW

ABSTRACT

In the current study MFC were constructed using PVC Schedule Tee, PVC Schedule Connector, PVC Schedule Slip Cap, Titanium fishing lead, Clear plastic wrap, Rubber bands, Salt Bridge Medium (Sodium chloride, Agar and Water). It mainly consists of anode and cathode chamber connected to a multimeter to complete the circuit. Wires and carbon brushes wereused to make the carbon electrodes. Four different waste water samples were (Stagnant waste water, Dairy waste, Liquid waste containing algae and Fermented municipal solid waste-FMSW) and E.coli pure culture was used as microbial sources.





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Review of the Article:

The present study focuses on Construction Of Agar Salt Bridge Microbial Fuel Cell (MFC) and Bioelectricity Production From Waste. The introduction builds a logical case and context for the problem statement. The problem statement is clear and well articulated.

Abstract:

The abstract is complete, essential details are presented. The results in the abstract are presented in sufficient and specific detail. The conclusions in the abstract are justified by the information in the abstract and the text. There are no inconsistencies in detail between the abstract and the text. Key words have been mentioned in the abstract.

Reference to the Literature and Documentation:

The literature review is up-to-date. The number of references are appropriate and their selection is judicious. The review of the literature is well integrated.

Instrumentation, Data Collection:

The measurement instrument is appropriate given the study's variables; the scoring method is clearly defined. The data set is sufficiently described.

Data Analysis and Statistics:

Data analysis procedures are sufficiently described, and are sufficiently detailed.

Presentation and Documentation:

The text is well written and easy to follow. The vocabulary is appropriate. The content is complete and fully congruent. The results are complete. The amount of data presented is sufficient and appropriate. Tables, graphs, or figures are used judiciously and agree with the text.

Scientific Conduct:

There are no instances of plagiarism. Ideas and materials of others are correctly attributed.

Discussion and Conclusion:

The conclusions are clearly stated; key points stand out. The conclusions follow from the design, methods, and results; justification of conclusions is well articulated.

References:

References are mentioned in a good manner with sufficient details.

Overall the study is relevant to the mission of the journal or its audience.

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SUMMARY OF ARTICLE

No.		Very High	High	Aver- age	Low	Very Low
1.	Interest of the topic to the readers	\checkmark				
2.	Originally & Novelty of the ideas		<			
3.	Importance of the proposed ideas		~			
4.	Timelines	✓				
5.	Sufficient information to support the assertions made & conclusion drawn			✓		
6.	Quality of writing (Organization, Clarity, Accuracy Grammer)		~			
7.	References & Citation (Up-to-date, Appropriate Sufficient)	~				

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