

Review Form 1.6

Journal Name:	Asian Journal of Biotechnology and Bioresource Technology
Manuscript Number:	Ms_AJB2T_87189
Title of the Manuscript:	Exploration of various microbial systems for the biofuel production
Type of the Article	Minireview 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://journalajb2t.com/index.php/AJB2T/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		
Minor REVISION comments	<p>The review paper is very interesting and scientifically important. The authors concisely discussed the importance of biofuel generated from biological techniques. The authors emphasized on the importance of different cellulosic biomasses for different clean fuel generation and a cheap strategy for reducing CO₂ instead of fossil dependence. The authors stressed the roles and strength of different microbe in producing or optimizing the yield of biohydrogen and biobutanol based on published literature.</p> <p>Therefore, I am happy to recommend the manuscript for publication with only few modifications needed.</p> <ol style="list-style-type: none"> 1. Authors should provide a global trend of biofuel production and demand as a way of showing its increasing traction. 2. Authors should concisely discuss the different forms of biofuel and their production pathways. 3. Authors should discuss the major substrates utilized for biofuel generation via fermentation routes. 4. Authors should be consistent with their choice of words, instead of using "butanol" "biobutanol" is better since its of a biological origin. 5. The yeast strains mentioned for biohydrogen production suffers from temperature control, authors should discuss how strains' DNA are reengineered or modified to become passive to high temperature. Authors should also discuss the latest innovations regarding suitable conditions that favour high hydrogen yield for each microbe. 6. ABE fermentation is a common method for biobutanol production, it is surprising that the authors did not include this in their discussion on fermentation of sugars to biobutanol. Authors should add this to the manuscript. 	
Optional/General comments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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