

## Review Form 1.7

Journal Name:	<b>Current Journal of Applied Science and Technology</b>
Manuscript Number:	<b>Ms_CJAST_112774</b>
Title of the Manuscript:	<b>Design and construction of a system for measuring carbon monoxide, hydrogen and methane concentrations in a co-current downdraft biomass gasifier</b>
Type of the Article	<b>Original Research Article</b>

### 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)
<p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Comment no. (1): Page 1, Abstract, The name of the most important technology as mentioned here must also be mentioned.</p> <p>Comment no. (2): In the manuscript, there is not much detail about this system which comes under design parameters. The same must be included in the manuscript.</p> <p>Comment no. (3): The conclusions may also be added with the limitations found across the literatures studied with respect to the objective of the presented work. The quality of images and Figures too can be improved w.r.t. resolution and clarity</p> <p>Comment no. (4): Page 2, The page and manuscript must be checked for errors in typing related to superscripts and subscripts both in text and equations.</p> <p>Comment no. (5): Please cite references in your manuscript as below Sharma AK, Antil S, Sachdeva G. Small-Scale Toroidal Fluidized Bed Gasification System: Development and Experimental Aspects. Journal of Energy Resources Technology. 2023 May 1;145(5):051501. Antil S, Sachdeva G, SHARMA A. Advancements and challenges in the fluidized bed gasification system: A comprehensive review. Journal of Thermal Engineering. 2023 Jan 1;9(1):233-46.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>		
<p><b>Optional/General</b> comments</p>		

### 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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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**Reviewer Details:**

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