



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_6853
Title of the Manuscript:	Potential and feasibility of solid municipal waste treatment with gasifiers in a developing country: a review for Burkina Faso
Type of the Article	Review

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	Please shorten the discussion on the definition of <u>waste</u> Line 60 correct coil to coal Paragraph 59 to 65 incineration is not pollutant any more and is considered as an important solution for waste management in many countries. Should consider correcting this paragraph. Eliminate lines 118 to 125 and make the corresponding changes. Eliminate section 3.2 Item 3.3 should be written as energy bill	Shorten Waste definition We agree. Sentences in lines 17, 20 to 22 and 30 to 34 will be deleted as requested to shorten waste definition discussion. Line 60, corrected to Coal (and elsewhere) Paragraph 59 to 65: you are right. We want to add the following [Text to add]: Any way, thanks to more strict environmental regulations, incineration is not pollutant anymore and is considered as an important solution for waste management in many countries Eliminate lines 118 to 125. We partially agree, but it seems important to let readers know how figures in Table 1 have been obtained. So we will delete Line 118 (now line 120 with text added above) only. Eliminate section 3.2 From the 3 reviewers: KI_MI (you) request deletion, MA_MI request moving this section to Introduction or Literature review, ZF_SMA says nothing. Because Introduction already span over 1 page, it seems better to delete section 3.2. Line 73 introducing section 3.2 will consequently be changed to: a review of energy consumption in Burkina Faso.



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	There are two sections 3.4 , please correct Section starting on line 254 and ending on line 295 should be shortened to few words and keeping table 5. Item starting on line 297 and ending on line 319 should be rewritten keeping only relevant data, this part is extremely poor.	Item 3.3 should be written as energy bill. We agree, corrected to Energy bill. (Now 3.2 Energy bill of Burkina Faso) There are two sections 3.4: I agree. As section 3.2 has been deleted, the old section 3.4 is now 3.2 and the first 3.4 is now 3.3. Shorten section 3.3 from line 254 to line 295. Requested by reviewer KI_MI, but reviewer MA_MI wrote: <i>"This is one of the best sections in this paper"</i>. Reviewer ZF_SMA said nothing about. I this paper, this detailed section is important. No gasifiers have yet been built in Burkina Faso to better of our knowledge. This paper is aimed at explaining why gasifiers should be considered in Burkina Faso. Local context is very important, so detailed information is welcome. For example, it will make no sense to setup a 50MW gasifier where feedstock is only 1MW. No change will be made to this section. Rewrite section ... Reviewer MA_MI wrote: <i>"This part of the research work is excellent to be considered as the major output of the paper"</i>. Reviewer ZF_SMA said nothing about. To says things in one sentence: In this paper we suggest that gasification technology be introduced in Burkina Faso through small thermal capacity gasifiers. Therefore we had to explain why this introduction should be made on small scale and how this advantageous for Burkina Faso. In order to satisfy all reviewers, we added the following sentence at lines 305-307: Nowadays;
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	Please rewrite the conclusion section and include only relevant comments based on the findings of the paper.	gasification is a rapidly spreading technology in USA, Europe, Australia and India [26-32]. Plus one paragraph at the end of section 3.4 Rewrite conclusion We agree. Line 330 (old line 327) in the manuscript was changed. Lines 335 to 342 will be deleted. Line 351 has been changed to comply with reviewer MA_MI request (recommendations for further study).
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		