



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	2014_AIR_12401
Title of the Manuscript:	DEVELOPMENT OF FLUE GAS TREATMENT UNIT FOR PACKAGED GASOLINE GENERATORS
Type of the Article	Review 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:

(<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)
<u>Compulsory</u> REVISION comments	<p>The reading of the paper is very difficult. In some parts it is not possible to understand the concept that authors want to describe.</p> <p>The lack of a coherent line make it "tough " to read and understand. All parts of the paper are not correlated;</p> <p>The technologies description are similar to a student report (in a technical paper the rev consider useless the greenhouse effect), the table are very "old (?)". Some tables report 1998 data?????</p> <p>The paper is also not free of commercialism!</p> <p>There are many typing mistake in the text (i.e. page 4 line 167, page 5 table 4, page 7 line 302 ?????).</p> <p>Finally the technologies description is too long and the aim of the paper is missing or lost in the text. So became tough to understand the reasons of writing the paper.</p> <p>Some parts are "directly paste" from others works, and some parts are repeated with the exactly the same words (page 1 lines 26-36, page 3 lines 111-121).</p>	<p>Coherency has been brought in to bear on this paper. The very old tables have been removed. Commercialism has been reduced to barest minimum.</p> <p>Typographical errors have been eliminated.</p> <p>The aim of the paper has been made clearer.</p> <p>Bulk direct pastes and repetitions of sections have been eliminated</p>
<u>Minor</u> REVISION comments	<p>I declare my competing interest. Recently publication:</p> <ul style="list-style-type: none"> • "Mathematical Modelling of Biomass Gasification in a Circulating Fluidized Bed CFB Reactor" – (Journal of Sustainable Bioenergy Systems (JSBS) 2012) 	<p>Flue gas treatment not squarely addressed as primary objective by this paper.</p>



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	<ul style="list-style-type: none"> • “Testing of the ultra-micro gas turbine devices (1 – 10 kW) for portable power generation at university of Roma 1: first tests results” – (Journal of Engineering (ENG)) • “A proposal for power quality management protocol in residential buildings with co-generative and renewable systems” – (ASME International Mechanical Engineering Congress and Exposition 2012) • “The power generation with vegetable oils: a case study” – (ASME International Mechanical Engineering Congress and Exposition 2011) 	<p>High fuel consumption by this micro gas turbo-generator. The running cost is about 98 times the cost of running an equivalent rating of a gasoline package generator at world’s current fuel prices. Hence the micro turbo-generator cannot be a feasible substitute for the developing economies.</p> <p>This paper addressed the efficiency in power usage but silent on flue gas management. The efficiency lessons learned could be of utmost benefit for developing economies in the judicious and prudent management of scarce available sources of power.</p> <p>Usage of this diesel generator is limited by the availability and cost of palm oil. Current world market prices show that palm oil is cheaper than diesel. But in Nigeria, petrol is cheaper than palm oil, hence from economical point of view, the palm oil substitute for the generator will not be a feasible option for Nigeria or the developing economies.</p>
<u>Optional/General</u> comments		