



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_23529
Title of the Manuscript:	Development of Pedaled Honey Extractor
Type of the Article	Original Research Articles

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	Line 2(Title) : (You may use this as the title of the manuscript: Development of Pedal Operated Honey Extractor). Abstract Lines 6-7: Various methods had been exploited in extracting this honey from the honey comb both traditionally and by different designs of extractors from the primitive to a modern one. (After this statement, state the major problems in the former methods of honey extraction you wish address with your work) Line 9: by Akinnuli et al. (2013) (remove author but paraphrase the statement). Line 11: The efficiency of the machine was obtained to be...(replace with: the efficiency of the machine was estimated to be.....) Lines 12-13: The cost analysis for the production of the machine was included in the work(state the cost in Naira and its USD equivalence in bracket) Lines 13-14: It is hoped that the machine will serve as a means of exercise for the farmers(Please delete this statement, aside that, it's not part of the objectives, it is also neither technical nor measurable in line with the work) Keywords: It should not be up to ten words(please	



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	check the journal format for the correct number) 1.0 INTRODUCTION Line 18: flour nectar (Are you trying to say flower or flour?) Lines 21-23: “Honey bees and stingless bees are characterized with the ability to hoard large quantities of honey. This is the major reason for beekeepers to make exploit of this opportunity and harvest the honey for human consumption.” (Citation needed) Lines 23-26: Bees are found throughout the world except at the highest altitudes, in Polar Regions, and on some small oceanic islands. The greatest diversity of bee species is found in warm, arid or semi-arid areas especially in the American Southwest and Mexico. (Citation needed) Lines 30-32: However, the management of colonies of bees for the production of honey and other hive products and for the pollination of crops is called Beekeeping also referred to as Apiculture. Different hives had been established. (Replace with: Beekeeping also, known Apiculture is the management of the colonies of bees.....; and through this practice, different hives had been produced) Line 36: Honey has become a generally accepted substitute for sugar worldwide; (Citation needed)	
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	Lines 42-43: Major Hruschka, an Austrian, in 1865 invented a centrifugal honey extractor and in 1895,(This style of citing author is not acceptable, please check the source of information for proper citation) Line 44: was time saving unlike the previous design (state the times) Line 45: In 1913, heat was 45 being applied in separating honey from wax. (Correction: Same as lines 42-43) Lines 46-60: (Please summarize the idea you are trying to report and use past tense all through). Lines 60 -61: In 2005, a design of this machine was done and constructed in the Federal University of Technology, Akure, Nigeria (FUTA); (No need of "In 2005; you may write like this- Afogba(2005) designed and constructed..... at Federal University of Technology Akure(FUTA), Nigeria, not Nigeria(FUTA).....) Lines 63-74: (Clearly summarize the shortcomings of old machines, then state the objective(s) of your study and justify the kind of modification you wish to incorporate.) Note: Immediately after section 1.0, before section 2.0, present the isometric view with of the machine with labelling of parts (as Figure.....?)	
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	2.0 MATERIALS AND METHODS OR SIMPLY USE: METHODOLOGY NOT(MATERIALS AND METHODOLOGY AS USED BY THE AUTHOR) This section (2.0) should contain a brief description and working principle of the proposed machine. For example 2.1 Description and Working Principles of the Machine 2.2. Design Considerations 2.3. Design of Machine Elements (a) Straight Bevel Gear Design (b) Determination of pitch circle diameter (c) Determination of pitch angle for bevel gear And so on. Line 99: Table 1 (delete Table 1; after design of machine elements, just write all the construction materials designed for were selected based on their engineering properties. Note that items under column 1 and 2 of Table 1 should have been mentioned under section 2.1) 2.4 Construction or Fabrication Procedures (This section should state in brief all construction procedures after design. The neat Orthographic and exploded views of the machine should be presented in this section. Also, exploded view of the machine, important development drawings and picture of the machine should be presented) 2.5. Performance Evaluation of the Machine Lines 331-362: This is the performance evaluation section. It should not be under Result and Discussion. It	
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	will be better to present this section in a tabular form for clarity and ease of comparison. <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 15%;"></th> <th style="width: 15%;">First working</th> <th style="width: 15%;">Second Working</th> <th style="width: 15%;">Third Working</th> <th style="width: 15%;">Average</th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">1</td> <td style="text-align: left;">Density of honey</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: left;">2</td> <td style="text-align: left;">Total mass of honey frame</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="text-align: left;">3</td> <td style="text-align: left;">.....</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Line 358: (Where did you get the formula of efficiency equation used? Please cite it) Line 361: where the efficiency of their designs were (....efficiencies of designed machines were.....) Lines 361-362: This is indeed an improved development to the existing designs. (..... a slight improvement to existing.....) 3.0 Results and Discussions: (This section should state all the major results in line with stated objectives of the work and be discussed to convince readers beyond reasonable doubts) 4.0 CONCLUSION (Please re-write this section, conclusion should bring out facts deduced(in terms of			First working	Second Working	Third Working	Average	1	Density of honey					2	Total mass of honey frame					3						
		First working	Second Working	Third Working	Average																					
1	Density of honey																									
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	numerical values) from the work with respect to stated objectives) Line 374: REFERENCE (Write REFERENCES) Lines 393-396: Unpublished B.Eng.(or B.Sc)/M.Eng.(M.Sc.)/Ph.D Thesis? References Nos. 3, 4 and 9 have no years of publication.	
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<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	General Comments on Section 1.0(INTRODUCTION) 1. Please include the health benefits of honey and some uses of honey. 2. There is need to add more previous works on honey extraction equipment/processes and state results achieved, and cite authors. General Comments on Section 2.0 1. References cited under design calculations should have year after author's name (except if that style used by this author is the format of this journal). 2. All other design parameters should be placed under nomenclature and defined appropriately with correct units. 3. Usually, nomenclature should be placed immediately after keywords (except if the style used by this author is the format of this journal). 4. For the sake of clarity and neatness, all figures must be without colour (just black lines). Standard drawing rules and codes of engineering drawing should be used. 5. It is very important to present the Free Body Diagram (FBD) of the machine at the beginning of the design of machine element section. General Comments on Section 3.0(Results and Discussion) No calculations should be under section 3.0, it should	



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	contain only results that are well discussed. General Comments on section 4.0(REFERENCES) 1. Some of the references are without pages (Pp) and name of publishers. 2. This article referencing is faulty. Some cited authors were not listed in the references; and some authors listed in the references were not cited in the text. Therefore, proper correction must be done. (Note: article meant for publication must not lack one-to-one correspondence principle)	
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Reviewer Details:

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