

Review Form 3

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_121120
Title of the Manuscript:	IMPACT OF COMBINATIONS OF DIET AND LARVAL REARING TEMPERATURE ON DURATION OF LARVAL , PRE PUPAL AND PUPAL STAGES OF BLACK SOLDIER FLY, <i>Hermetia illucens</i> L. (STRATIOMYIDAE: DIPTERA)
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>The manuscript is relevant from the point of natural recycling of organic waste, increased accumulation of which poses a threat to human health. Firstly, it brings to the forefront the important role of <i>Hermetia illucens</i> in being a natural decomposer, as well as being a nutritional component in animal feed. The paper addresses the impact of food and temperature on the developmental stages of the insect, and is significant in a changing global climate.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Title can be concised to 'IMPACT OF COMBINATIONS OF DIET AND TEMPERATURE ON DURATION OF DEVELOPMENTAL STAGES OF BLACK SOLDIER FLY, <i>Hermetia illucens</i> L. (STRATIOMYIDAE: DIPTERA)'</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>Yes, the abstract is comprehensive. The sentence 'The Gainesville diet at 35°C recorded least larval duration' is repeated in the abstract and may be deleted. Appropriate degree symbol may be used across the manuscript.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes. Numbering of the subsections may be corrected as per the journal format. The subsection 'Studying the impact of diet and temperature on larval, pre pupal and pupal durations' may be re-written as 'Data evaluation and analysis'</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>The technical aspects of the manuscript are brought out well. The paper is scientifically robust since the data have been recorded under uniform experimental conditions and statistically analysed. However, the following suggestions can be incorporated for improvement of the manuscript:</p> <ul style="list-style-type: none"> • The author may briefly explain the reason for crossing the two populations for the present study instead of using the original population. • The ambient temperature of rearing larval, pre-pupal stages may be added under the methodology, in order to assess the variability in developmental periods due to temperature. • The author may mention the duration for which the insect was exposed to different temperatures. Or if the different temperatures were maintained throughout the rearing period. • In Table 1, unit of Larval period is missing. • The title is missing for the Y-axis in Fig.1, 2 & 3, and may be added. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p>	<p>References are recent and sufficient.</p> <p>Suggestions</p> <ul style="list-style-type: none"> • References are not uniformly written, and may be brought to a uniform format. • Citations may be given to this statement-'Many workers have reported that the bioconversion efficiency of the larvae is influenced by substrate type, nutritional content, moisture level, toxin presence, temperature and humidity, which all contribute to their growth and conversion capacity' under Introduction 	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	<ul style="list-style-type: none">• Many grammatical errors were found throughout the manuscript and requires correction.• 'et al' is not uniformly italicised in the manuscript. It may be corrected. (example: Author <i>et al</i>, 2015)• The acronym BSFL may be expanded the first time it appears in the manuscript and the acronym may be given in parenthesis.• Another scientific word may be used in place of 'Eggies' for understanding of the readers.	
Optional/General comments	<ul style="list-style-type: none">• Many grammatical errors were found throughout the manuscript and requires correction.• The version of GRAPES software used may be added to the manuscript.• Addition of control data would make the study more significant.• Under conclusion, gaps in the study, viz. impact of varietal differences of the fly on the lifecycle duration, and impact of lifecycle duration on the recycling efficiency, are important to acknowledge and may be mentioned for future research.	

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>	

Reviewer Details:

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