

ReviewForm 1.7

JournalName:	International Journal of Environment and Climate Change
ManuscriptNumber:	Ms_IJECC_115941
Titleof theManuscript:	InsectFrassasOrganicFertilizerinSustainableAgriculture
Typeof the Article	ReviewArticle

PART1:ReviewComments

	Reviewer’scomment	Author’scomment(ifagreedwithreviewer,correct themanuscriptandhighlightthatpartinthe manuscript.Itis mandatorythatauthorsshouldwrite his/herfeedbackhere)
CompulsoryREVISIONcomments 1. Isthemanuscript important forscientific community? (Please write fewsentenceson this manuscript) 2. Isthetitleofthearticlesuitable? (Ifnotpleasesuggest analternative title) 3. Isthe abstract ofthearticlecomprehensive? 4. Are subsectionsandstructureof themanuscript appropriate? 5. Doyou thinkthemanuscript isscientificalllycorrect? 6. Are the references sufficientandrecent?If you have suggestionofadditionalreferences,please mentioninthe reviewform. <u>(Apartfromabove mentioned6 points, reviewersare freetoprovide additionaluggestions/comments)</u>	1. Yes,thisresearchisindeedimportant forthescientificcommunity, asitoffersinsightsinto innovativeapproachestosustainable agriculture. Byexploringtheuseofinsectfrassasa fertilizer,itcancontributetotheongoingeffortstoreduce relianceonsyntheticchemicals andpromoteenvironmentally friendlyfarmingpractices.Furthermore,theemphasisona circulareconomyapproachalignswithcurrenttrendsinsustainabilityresearch. 2. Yes,thetitleclearly indicatesthatthemanuscriptdiscussestheuseofinsectfrassasan organicfertilizerand itsrelevancetosustainableagriculture. 3. Theabstractprovidesa conciseoverviewof the keypointscoveredinthe article.It introducestheproblemofminimizing syntheticfertilizeruseinagriculture,introducesthe conceptofusinginsectfrassasanalternative organic fertilizerandhighlightsitspotential benefits forsustainable agriculture and the circular economy. Also, itmentions the increasedefficiency ofmassinsectbreedingforfeedandfoodproductioncomparedto conventional animalfarming.However,theabstractlacksofbriefsummaryofthe methodology orapproachesdiscussedinthearticle,aswellasanymajorfindingsor conclusions.Alltheseneedtoaddin. 4. Thearticleprovidesanexplorationofinsectfrassasapromisingorganicfertilizerin sustainable agriculture. Ithighlightstheurgentneedforsustainable foodproduction methodsinthefaceofglobalpopulationgrowthandenvironmentalconcerns. Detailingthe composition andbenefitsofinsectfrass,thetextemphasizes itspotentialtoenhancesoil fertility, promote plant growth and increase crop yields while minimizing reliance on chemicalfertilizers.Thecirculareconomyconceptisdiscussed,highlightingtheroleof insect frass in recycling organic waste into valuable nutrients for agricultural use. Furthermore, thearticleoutlinesvariousapplicationsandprocessingmethodsforinsect frass,alongwithitsadvantages inimprovingsoilhealthandplantresilienceto environmentalstresses.Whileacknowledging thenoveltyandpotentialofinsectfrass,the textcallsforfurtherresearchtofullyunderstanditsimpactonagricultural systemsandits roleasasustainablealternativetoconventionalfertilizers.However,thisreviewarticle lacksofcriticalanalysis.Itfailstoexplorepotentialdrawbackslikescalability issuesor environmental impactsassociatedwithusinginsectfrassasfertilizer.Also,itlacksofa deeperdiscussionofexistingresearch,drawingonpeer-reviewed literaturetobolsterits credibility.Comparative analysisisalsolacking,asthearticleshouldcompareinsectfrass withotherfertilizersto providecontext.Furthermore,itcouldoutlinespecificareasforfuture researchtoguidefurtherinvestigation. 5. Yes,butstillneedto improve. 6. Unfortunately,thecitationsprovidedarenotcurrent.Asthisisareviewarticle,theauthors arerequiredto includeaminimumof40%recentreferences.	
MinorREVISIONcomments 1. Islanguage/Englishqualityofthe articlesuitableforscholarly communications?	Moderate	

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Optional/General comments		
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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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

Name:	Ewe Lay Sheng
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