



SDI Review Form 1.6

Journal Name:	Asian Journal of Biology
Manuscript Number:	Ms_AJOB_30739
Title of the Manuscript:	SUSTAINABLE MANAGEMENT OF ROOT KNOT NEMATODE MELOIDOGYNE INCOGNITA THROUGH ORGANIC AMENDMENT ON SOLANUM LYCOPERSICUM L.
Type of the Article	Original Research 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 comments (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	Introduction. 1. Line 61: Delete the sentence "is preferred for the management of root-knot nematodes"? 2. Line 57: Old literature (Alam and Jairajpuri 1990) if possible replace with new. 3. Line 50-53: Cultural practices/chemical nematicides (not accurate). Similarly plant resistance and crop rotation could be considered as cultural practices. 4. Line 62: Which organic materials reduce root-knot nematodes? 5. Line 41-45: The sentence is long consider revising 6. Line 48: Plant parasitic nematodes sentence could fit well before description of the root knot nematodes Materials and methods 1. Line 88-90: Consider including the sampling procedure and the number of samples obtained 2. Consider mentioning the J₂ extraction protocol e.g sieve/maceration methods. 3. Line 104: What type of microscope did you use e.g dissecting? Stereomicroscope? Specify 4. Line 110: What did you autoclave; pots or soils? clarify 5. During transplanting need to mention the experimental design? How many pots per treatments? Controls? 6. Line 110 & 112: What the actual diameter of	As per the above suggestion given by the reviewer I have corrected the manuscript.



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	clay pots is it 30cm or 15cm? 7. Interchange of "Wild spinach powder" "black nightshade powder" might confuse the readers consider revising 8. Line 117: Confirm whether use of 1500 J₂ for inoculation is the standard one/ if none exists ignore /any inoculation repeats 9. Line 120: Standardise the making of inoculation holes choose either 2 or 3(All should receive same treatment) 10. Lines 125, 127-128: check grammar e.g after three months of the inoculation? Adhered with the root is removed? pressing them? 11. Line 138: 250 of soil sample processed per what? Some critical information is missing. There is need to provide the reference for methods of estimating nematodes in the soil. Results 1. Line 157: Ensure that the information given for plant height in the text is similar to that in the tables for example you have left out trailing Eclipta which is the second highest after Mexican poppy 2. Line 180: You have indicated the maximum yield is from Mexican poppy at 228g while the untreated uninoculated control is 355g in the table 1b. (Which is the maximum?) 3. Line 190: The egg masses/root, eggs/egg mass, nematode population and RKI for UIC and UUC reported in the text are missing in the Table 1b or are not accurately captured 4. RKI for UUC is not given in the table 1b. 5. Consider including the LSD values ($p \leq 0.05$) below the tables from ANOVA Discussion 1. Line 214: Which spinach are you referring to?	
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	2. Line 226: Include a reference after act as promoter of growth activity/study that is in concurrence with your findings.	
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<u>Minor</u> REVISION comments	Abstract Line 33-34: check whether it is correct. Consider rephrasing it. Suggested title change: Sustainable management of root knot nematodes <i>Meloidogyne incognita</i> in tomatoes <i>Solanum lycopersicum</i> L through use of organic amendments. Introduction. 1. There is need to mention the percentage yield losses in tomatoes due to root knot nematodes 2. Describe the nature of nematicidal effects of the test plants. Materials and methods 12. Line 72-74: Consider giving rainfall in mm and if possible can describe the soils in the site. 13. Line 74: Consider replacing the word 'seen' with 'recorded/other appropriate' 14. Line 101: after freshly hatched..... mention how Juveniles (J₂) were stored Results 1. Though it is important to mention other plants with nematicidal effects more emphasis should be on the plants under investigation. What are the inherent qualities of Mexican poppy, nightshades or trailing eclipta that make them ideal for control of nematodes?	
<u>Optional/General</u> comments	1. The topic of the paper is interesting and fits to the profile of this Journal. 2. The introduction and discussion requires oderly organization of facts and the author should dedicate time to refine. 3. Up to date literature review is needed for discussion to directly compare the present research findings with similar studies 4. In the Material and Methods the methods of sampling, extraction and counting of the root	



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	knot nematodes J2 should be clear. 5. Spelling and grammar should be rechecked. References 1. Where possible cite up to date literature 2. Use indents/recommended for references	
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