

Review Form 3

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_130436
Title of the Manuscript:	Adaptive biology of plant-parasitic nematodes-a review
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	Plant parasitic nematodes are a major problem for growers worldwide, causing severe crop losses. Several conventional strategies, such as chemical nematicides and biofumigation, have been employed in the past to manage their infection in plants and spread in soils. However, the search for the most sustainable and environmentally safe practices is still ongoing. This review summarizes information on plant-parasitic nematodes, their distribution, and their interaction with their host plants, along with various approaches to managing their infestations. It also focuses on the application of microbial and fermentation-based bionematicides that have not only been successful in controlling nematode infection but have also led to plant growth promotion and proven to be environmentally safe. Studies with new information on the relative abundance of plant parasitic nematodes in two agricultural sites in the Republic of Ireland are also reported. This review, with the information it provides, will help to generate an up-to-date knowledge based on plant parasitic nematodes and their management practices.	Noted
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	Thanks
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.	Abstract may be revised with highlighting the role of nematodes	Ok
Is the manuscript scientifically, correct? Please write here.	A diagram may be added to showing the Life cycle of Plant-Parasitic Nematodes Classification of Nematodes according to genus, feeding type, physical manifestations and mode of action may be added in the manuscript	Noted
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Updated and recent relevant references may be incorporated	

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Is the language/English quality of the article suitable for scholarly communications?	Yes	
<u>Optional/General</u> comments	Plant parasitic nematodes are a major problem for growers worldwide, causing severe crop losses. Several conventional strategies, such as chemical nematicides and biofumigation, have been employed in the past to manage their infection in plants and spread in soils. However, the search for the most sustainable and environmentally safe practices is still ongoing. This review summarizes information on plant-parasitic nematodes, their distribution, and their interaction with their host plants, along with various approaches to managing their infestations. It also focuses on the application of microbial and fermentation-based bionematicides that have not only been successful in controlling nematode infection but have also led to plant growth promotion and proven to be environmentally safe. Studies with new information on the relative abundance of plant parasitic nematodes in two agricultural sites in the Republic of Ireland are also reported. This review, with the information it provides, will help to generate an up-to-date knowledge based on plant parasitic nematodes and their management practices.	Effectuated

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?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	