

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_123781
Title of the Manuscript:	Content Uptake and Yield of African Marigold as Influenced by the Application of Sewage Sludge Biochar (Sewchar)
Type of the Article	Original Research 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)
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.	This manuscript is relevant to the scientific community as it addresses the sustainable use of sewage sludge through composting and biochar production, both of which have the potential to improve soil health and enhance crop productivity. The comparative evaluation of sewage sludge, its compost, and biochar (sewchar) is particularly valuable, as few studies have examined their distinct impacts on soil properties and plant growth. The findings regarding sewchar's slow nutrient release and its superior performance in improving soil fertility and marigold yield highlight its potential for sustainable agriculture. Overall, the study contributes valuable insights into resource recovery from waste and its application in agriculture, making it a worthwhile addition to the field.	
Is the title of the article suitable? (If not please suggest an alternative title)	Maybe as a suggestion, 'Effects of Sewage Sludge Biochar (Sewchar) Application on Nutrient Uptake and Yield of African Marigold' would be more transparent?	
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.	Are the subtitles in the abstract necessary? Authors may add the critical data they have found.	
Are subsections and structure of the manuscript appropriate?	The structure and titles are appropriate. 'a.Vegetative parameters' is this a title or mistake?	
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.	This manuscript is scientifically robust and technically sound. The detailed process descriptions for both the preparation of sewage sludge compost and sewchar ensure replicability, which is a critical factor for scientific accuracy. The use of established analytical methods, such as Kjeldahl's method for nitrogen estimation and the Vanadomolybdophosphoric acid method for phosphorus, adds credibility to the data collection. Additionally, the randomized block design for the field experiment enhances the statistical reliability of the findings, while the thorough analysis of soil chemical properties, plant growth, and nutrient uptake ensures that the conclusions are well-supported by data. Overall, the methodological rigor and adherence to standard scientific procedures make this manuscript scientifically effective and valuable for the community.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	There are many given information without a reference backup, authors should go over them. As an example, 'About 30-60 % of the organic matter, 1.5-4.5 % nitrogen, 1.0-2.2 % phosphorus and minerals such microcline, quartz, calcite and heavy metals are present in sewage sludge.' [x] should contain a reference. The whole introduction has 5 references, although it has many information.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Minor revisions in sentence structure or grammar may enhance readability, especially in long and complex sentences. Overall, the article appears to meet the standards expected for scholarly communication.	
Optional/General comments	Did the authors use any flue gas during the pyrolysis process?	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

Name:	Hilal Unyay
Department, University & Country	Lodz University of Technology, Poland