Review Form 3

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_125523**
Title of the Manuscript:	**Phytolith mediated biocarbon sequestration- a Review**
Type of the Article	**Review 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:

https://r1.reviewerhub.org/general-editorial-policy/

Important Policies regarding Peer Review

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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 few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.	The authors aimed to review the formation, distribution, and storage of phytolith occluded carbon are the major factors affecting phytolith-mediated biocarbon sequestration.	
Is the title of the article suitable? **(If not please suggest an alternative title)**	Preferred to be modified into "**Phytolith-mediated Biocarbon Sequestration"**.	
Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.	• Provide a clear air for the review study. • Some modifications were suggested to enhance the readability and understanding of the text.	
Are subsections and structure of the manuscript appropriate?	• **Keywords:** Re-arrange in alphabetical order as follows: "Biocarbon sequestration, inert form of carbon, Phytolith, PhytOC". • **Introduction:** Notice the following: ➢Properly arranged and clear to a certain extent. ➢Some modifications were suggested to enhance the readability and understanding of the text. • **The aim**: Not listed. The aim has to be listed by the end of the introduction section. • **The history:** Notice the following: ➢Clear to a certain extent. ➢Some modifications were suggested to enhance the readability and understanding of the text. • **The body of the review:** Notice the following: ➢Clear to a certain extent with good comparisons and speculation. ➢Use the symbol "%" instead of using the word "per cent". ➢Some modifications were suggested to enhance the readability and understanding of the text • **Conclusion:** Some modifications were suggested to enhance the readability and understanding of the text. • **Tables:** Well-presented and properly organized. • **Figures and charts:** Well-presented and properly organized.	
Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.	The manuscript highlighted that Carbon sequestration has been recognized as a crucial step in reducing global warming. Biocarbon sequestration is one of the most promising approaches to long-term carbon storage.	
Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.	Sufficient as 39.4% (30 out of 76) of the listed references were published in the past five years.	
Minor REVISION comments **Is language/English quality of the article suitable for scholarly communications?**	The manuscript was expressed in moderate English and grammar. A certain degree of copyediting and proofreading have to be carried out before resubmission to achieve publishing value.	
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:

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