

Review Form 3

Journal Name:	Asian Journal of Soil Science and Plant Nutrition
Manuscript Number:	Ms_AJSSPN_126023
Title of the Manuscript:	Effect of Salinity on Inorganic Phosphorus Fixation in Sara and Bajoa Soil Series of Ganges Tidal Floodplains
Type of the Article	

Review Form 3

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)
<p>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.</p>	<p>Sara and Bajoa soil series of the Ganges tidal floodplains represent a critical agricultural region, and understanding how salinity impacts phosphorus availability is vital for crop productivity, soil fertility, and sustainable agricultural practices. saline soils like those in the Sara and Bajoa series, the fixation of inorganic phosphorus (i.e., its conversion into forms that are unavailable to plants) is influenced by chemical interactions with soil minerals. Phosphorus is a crucial nutrient for plant growth, root development, and energy transfer in crops. In saline environments, reduced phosphorus availability due to fixation can lead to nutrient deficiencies, stunted growth, and lower crop yields. This research helps identify how salinity limits phosphorus availability, which is critical for optimizing fertilizer use in these floodplain soils.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes title is according to manuscript</p>	
<p>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.</p>	<p>Not required</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>The study of salinity's effect on inorganic phosphorus fixation in the Sara and Bajoa soil series of the Ganges tidal floodplains is of significant importance to the scientific community. It provides essential insights into phosphorus availability, nutrient management, soil health, and crop productivity in saline environments. These findings contribute to the development of sustainable agriculture, climate resilience, and food security, not only in the Ganges floodplains but also in other saline-affected regions around the world. . Both series show the almost same behavior in the case of increasing salinity. Salinity reduces the availability of P fractions to plants. Since P is a complicated but significant element, it is obligate to have more research work on its mechanism so that the transformation and availability of P fractions can be acquainted.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Not required</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes language is clear and illusive</p>	
<p>Optional/General comments</p>		

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

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