

Review Form 1.7

Journal Name:	Asian Soil Research Journal
Manuscript Number:	Ms_ASRJ_95518
Title of the Manuscript:	Physico-chemical properties in rhizosphere of field crop covers during growth stages in a sandy loam soil
Type of the 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://www.journalasrj.com/index.php/ASRJ/editorial-policy>)

Review Form 1.7

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript deals with impact plant development phases on the rhizospheric soil properties. The MS dose not given any data on soil biological properties which are most dynamic with crop/plant changes, amendment addition and management. At the same time, treatments numbers are not sufficient to meet the criteria for analysis (As the error degree of freedom need to be at least 12 for design selected (RCBD)). The MS is well written and section wise comments are mentioned below: 2. Yes 3. Abstract: <ul style="list-style-type: none"> • Write Scientific/botanical name of all four test crops as appear first in the text. • Soil textural class is permanent/ Stable fundamental soil property; hence there will be no any change in it by plant induced root rhizosphric modification. • Concluding sentence is not clear (Last sentence of abstract.....” Thereforeproperties”. 4. Yes 5. See comments in all sections. 6. Yes 7. Introduction: <ul style="list-style-type: none"> • The description of changes in rhizospheric soil properties need to be for selected crops. Cite some crop specific references for such changes (Four selected crops). • Avoid writing of info. for those properties which were not described in result and discussion section. 8. Materials and methods: <ul style="list-style-type: none"> • Information on crop growing practices and input addition is lacking and essential to write herewith (As these practices affect the soil properties and plant growth). • Plant growth duration and timing of sampling need to mention herewith (As the selected crops may having different duration). • Is there any reason of selecting these four crop plants? Provide some info. For this. • Study is conducted for one growing season or repeated for multiple years (2, 3 or 4 years)- Need to mention herewith. 9. Results: <ul style="list-style-type: none"> • Changes in soil textural class due to plant rhizospheric phenomenon is not expected. • The results were non-significant for most of the soil properties indicating the inferior selection of properties for studying the changes in soil properties. • The MS might have concentrated on soil biological properties which are most dynamic with respect to crop growth and management aspect. 10. Conclusion: Write result in concise and objective addressing sentences; <ul style="list-style-type: none"> • Indicate the crops showing maximum changes in the soil properties and also give percent changes in any 1 or 2 significant properties. • Indicate stage of crop growth showing maximum changes in selected soil properties and percent changes over initial soil. • No need to write about all changes in conclusion as these changes was already written in result and discussion. 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	See comments in MS	
<p>Optional/General comments</p>		

[Review Form 1.7](#)

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:	Amit A. Shahane
Department, University & Country	College of Agriculture, Central Agricultural University, India