

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_113271
Title of the Manuscript:	Influence of zeolite application on soil infiltrated with sewage effluent
Type of the Article	

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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"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? 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>	<p>Due to increased demand for wastewater treatment there is also a growing need for disposal of sewage effluents in a way to preserve soil quality and ecosystem health. Application of zeolite, as low-cost and eco-friendly materials, for that purposes is thus very desirable. Manuscript deals with important environmental issue with aim to protect soil and water ecosystems, and therefore, this research is important for scientific community.</p> <p>The title of the manuscript seems suitable.</p> <p>The abstract should be revised. The sentence "Soil samples were procured from the Agricultural Farm at the Institute of Agricultural Sciences, BHU, Varanasi, while effluent was sourced from the Bhagwanpur sewage treatment plant in Varanasi." should be deleted from the abstract. This information is given later in Materials and methods section. Also, the end of the abstract with main findings should be written more comprehensibly.</p> <p>References seems fine, but why they are not cited through the manuscript? Each relevant reference should be added in the part of the text where it belongs, and not only given in the reference list at the end of the manuscript.</p> <p>The manuscript is well organized but some parts can be improved, especially in the materials and methods section.</p> <p>There is a lack of data for used zeolite. Since the main material in this research is zeolite, it is expected to give more attention to zeolite type, properties, origin, etc. Which kind of zeolite was used? Natural or synthetic? Is it cost-effective? What is the main mineralogical component of the used zeolite? This must be added in the revised version of the manuscript.</p> <p>Also, have authors the information about soil properties?</p> <p>Materials and methods section must be revised. For example:</p> <ul style="list-style-type: none"> - when authors gave the proportions of zeolite in % added to the soil, to each zeolite percentage the appropriate mark T should be added. In this way it will be much easier to follow the discussion section, where marks T1-T7 are firstly mentioned. The reader should not guess which mark refers to what, but everything should be explained earlier, to avoid confusion - rather use term column than pipe <p>Please for more detail suggestions look at the comments given directly into the manuscript attached to this review form.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The English language is fine.</p>	

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Optional/General comments	Detail suggestions and comments are given directly into the manuscript attached to this review form.	
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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>	

Reviewer Details:

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