

## Review Form 1.7

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_102316
Title of the Manuscript:	Impact assessment of Titanium dioxide nanoparticles (TiO <sub>2</sub> -NPs) on physico-chemical properties of soil after harvesting of cauliflower (Brassica oleracea var. botrytis) at Prayagraj District of Eastern Uttar Pradesh
Type of the Article	Original Research 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.journalijecc.com/index.php/IJECC/editorial-policy> )

### 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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes, In order to support the innovation scientifically, more thorough additional evidence is required. It still offers a scientific perspective on the particular way that soil respond to nanoparticels activities in plants.</p> <p>Yes, however the title can be changed once again to make it more appealing in terms of how on physico-chemical properties of soil react to nanoparticles from plant.</p> <p>No, However, the abstract needs to be modified once more; the title can be omitted. The abstract must contain the discovery of the research issue. The considerable effect mentioned in the abstract is unclear, particularly in light of the issue with the in question physico-chemical properties.</p> <p>Yes</p> <p>Yes, However, the uniqueness of this research and a thorough introduction and discussion that supports the conclusions of these findings still need to be strengthened.</p> <p>Yes</p> <p>- It is also vital to show in the introduction the significance of researching the physico-chemical characteristics of soil in relation to nanoscale smart fertilizers. What position does this research take in relation to earlier studies on this subject.</p> <p>- This study did not provide any information regarding the connection between TiO<sub>2</sub> NPs and modifications in soil characteristics. The discussion is still not complete, particularly when it comes to showing the physico-chemical alterations in the soil brought on by the treatment of these nanoparticles, as well as their connection to the Brasica plant utilized as a representative plant on the agricultural area.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The English language of this manuscript still needs to be improved.</p>	
<p><b>Optional/General</b> comments</p>	<p>I believe that after revisions, this work could still be accepted for publication in this journal.</p>	

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**PART 2:**

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

**Reviewer Details:**

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