

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_102346
Title of the Manuscript:	A study on vertical gardens in urban areas under agro climatic conditions of Prayagraj
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>)

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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>The manuscript is important for scientific community.</p> <p>Plants play important role in today's cities where the urban development is causing many problems such as pollution, increased air temperature, lack of green space and excessive energy consumption. Vertical gardens are becoming a common component in contemporary garden designs at urban living spaces because of shrinking land spaces. Successful growing of plants in vertical garden systems depends up on growing container, plant chosen, growing media etc.</p> <p>An experiment was conducted during Rainy season 2021-22 at the Research Field of Department of Horticulture, Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj to study the performance of ornamental plants viz., Duranta erecta, Hemelia patens, Iresine lindenii, Tabernaemontana divaricata, Hemelia patens, in plastic pot for establishment of vertical garden. The experiment was laid out in Completely Randomised Design with five treatment combination of various growing media mixtures comprising soil, river sand as basic components in combination with organic manures. Among the five ornamentals plants used, Golden duranta and Mini Chandani performed better as ornamental plants in vertical garden system with the growing media of soil:cocopeat:vermicompost:perlite(1:1:1:0.5).</p> <p>The title of the article is suitable.</p> <p>The abstract needs to be worked out.</p> <p>Subsections and structure of the manuscript are appropriate.</p> <p>The manuscript is scientifically correct.</p> <p>The references are sufficient and recent.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>English quality of the article suitable for scholarly communications.</p>	
<p>Optional/General comments</p>	<p>In this experiment living wall system of vertical garden was established with fabricated iron frames to hold the planter boxes. The plastic pots was fabricated with two slits in the front side to accommodate two rows of ... (a photo or picture of the structure would make the report more amenable)</p> <p>The table needs to be worked out ,</p> <p>e.g M1 T4 vs M₁ T₀ or M2T1 subscripts!!.</p> <p>Define M₁... M₅ and T₁ ...T₄ below the table</p> <p>Once again, I think the addition of a graphic would make the report more amenable.</p> <p>... the standard stastical procedure given by pPanse and sSukhatme (1967). what statistical (Which</p>	

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	software was used for the analysis?)	
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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:	Leonardo Ornella
Department, University & Country	Spain