

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_113414</b>
Title of the Manuscript:	<b>Evaluating the Impact of Elevated Temperature on Melia Dubia: Insights into Climate Change Resilience and Adaptation</b>
Type of the Article	<b>Review Article</b>

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>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)</b>
<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>1. <b>Yes, this manuscript is important for the scientific community. My statement is based on the fact that it is observed an increase in the frequency and intensity of heat waves. Unfortunately, extreme heat events have a negative impact on tree/ plants functions. Heat stress might be responsible for whole plant growth decrease and shift of biomass allocation. The number of studies regarding the assessment of different plant/ tree types response to extreme temperature events should increase, in order to understand how these species might be affected by climate change.</b></p> <p>2. <b>Yes</b> 3. <b>Yes</b> 4. <b>Yes</b> 5. <b>Yes</b> 6. <b>Yes</b></p> <p><b>My suggestions are:</b> - include in abstract the following: research methodology, findings and conclusions, - Since CFCs have been phased out through out the Montreal Protocol, instead of CFCs as a GHC should be mentioned HFCFs and some HFCs.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	Yes	
<p><b>Optional/General</b> comments</p>	Authors can contribute to the development of an increased environmental awareness toward sustainable agricultural practices and predicting forest responses under future climate warming scenarios. The review emphasizes the importance of growth chamber studies and experimental design to simulate elevated temperature conditions.	

**PART 2:**

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

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**Reviewer Details:**

Name:	<b>Feiza Sucuran Memet</b>
Department, University & Country	<b>Constanta Maritime University, Romania</b>