

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_113976</b>
Title of the Manuscript:	<b>Marine heat waves in the Indian Ocean: Characterizing a major climate impact on microalgae</b>
Type of the Article	

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, this manuscript provides current insight into the impact of climate change (MHWs, Marine Heat Waves) on the microalgal community, especially in the Indian Ocean. In addition, this manuscript also provides updated baseline data for further research regarding the impact of climate change on the microalgal/phytoplankton community in the Indian Ocean that not have been fully studied.</p> <p>2. The title needs more improvements: <b>Marine heat waves in the Indian Ocean: a major climate impact on marine microalgae</b></p> <p>3. The abstract is comprehensive; well written; represents the major contexts of the review</p> <p>4. Subsections: needs improvements</p> <p><b>3. Global Ocean colour satellite reactions to marine heatwaves</b> Should the subsection above be placed in the first point of discussion?</p> <p><b>4. Algal Blooms and Marine Heat waves: Causes and Effects</b> <b>5. How marine heatwaves cause microalgal bloom?</b> I suggest to merge the subsections above. These subsections provide related/similar discussion</p> <p>5. Yes</p> <p>6. Yes, the references are sufficient and recent</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>It's better to re-check the manuscript to ensure the quality of the language, no gramatical errors</p>	
<p><b>Optional/General</b> comments</p>		

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>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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