

Review Form 3

Journal Name:	Asian Journal of Fisheries and Aquatic Research
Manuscript Number:	Ms_AJFAR_130161
Title of the Manuscript:	Variability in Oceanographic Conditions of Chlorophyll-A and Sea Surface Temperature in the Waters Around North Maluku
Type of the Article	Short Research Article

PART 1: Comments

	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.	This manuscript provides valuable insights into the oceanographic conditions, particularly the variations in chlorophyll-a concentrations and sea surface temperature, in the waters around North Maluku. The study's findings contribute to a deeper understanding of how oceanographic factors influence fish abundance in this biodiverse region, which is crucial for sustainable fisheries management. By linking the Indian Ocean Dipole (IOD) phase, SST, and chlorophyll-a concentrations with fish populations, this research enhances the scientific community's knowledge of the dynamic relationship between oceanographic conditions and marine biodiversity. This work serves as a foundation for further studies on the impacts of climate variability and oceanographic changes on fishery resources in the Coral Triangle and beyond.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title, "Variability in Oceanographic Conditions of Chlorophyll-A and Sea Surface Temperature in the Waters Around North Maluku," is suitable. However, a more specific title could be: <i>"Impact of Oceanographic Variability on Chlorophyll-a Concentration and Sea Surface Temperature in North Maluku Waters and its Influence on Fish Abundance."</i>	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract is comprehensive, summarizing the key focus of the study, including oceanographic conditions and their relationship with fish abundance. However, the addition of a brief statement about the practical implications of the research, such as its potential role in supporting sustainable fisheries management, would strengthen the abstract. Furthermore, including the specific methods used (e.g., the Maximum Entropy method) could help provide a clearer picture of the study's approach.	
Is the manuscript scientifically, correct? Please write here.	The manuscript appears scientifically correct, with appropriate methodologies and references to previous studies that support the arguments. The use of satellite imagery data, the SeaDAS application, and ArcGIS for processing are accurate and valid techniques in oceanographic research. Additionally, the interpretation of oceanographic conditions such as the Indian Ocean Dipole and their effects on fish populations is well-supported by existing literature.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient and recent, with a solid foundation in oceanography and marine biology. However, including more recent studies on climate change impacts and fisheries management might further enrich the context. I suggest looking into recent works on the effect of oceanographic variability on marine ecosystems and fisheries, particularly studies published after 2020.	

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language quality is generally suitable for scholarly communications. The manuscript is well-structured, and the technical terminology is used correctly. However, some minor grammatical improvements could enhance the overall clarity and flow of the text.</p>	
<p>Optional/General comments</p>	<p>The manuscript offers a valuable contribution to the field of oceanography and marine resource management by exploring the relationship between oceanographic variables and fish abundance in the North Maluku region. The study's emphasis on the Indian Ocean Dipole phase and its impact on chlorophyll-a concentrations and sea surface temperature provides important insights into the environmental factors influencing marine life.</p> <p>One potential area for improvement could be expanding on the practical applications of the research, particularly in relation to sustainable fisheries management and climate change adaptation strategies. It would be helpful to discuss how the findings might be used to inform management practices for local fisheries or predict future trends in marine biodiversity.</p> <p>Additionally, while the statistical analyses are solid, the manuscript could benefit from a brief discussion on the limitations of the study, such as the temporal and spatial constraints of satellite data, which may affect the generalizability of the results.</p> <p>Overall, the manuscript is well-written and presents a robust analysis of oceanographic variability and its potential effects on marine ecosystems. The findings will undoubtedly be of interest to scientists working in marine ecology, fisheries science, and climate change studies.</p>	

PART 2:

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

Reviewer Details:

<p>Name:</p>	<p>Anju P</p>
<p>Department, University & Country</p>	<p>RKMVERI, India</p>