

Review Form 1.7

Journal Name:	Asian Journal of Fisheries and Aquatic Research
Manuscript Number:	Ms_AJFAR_117011
Title of the Manuscript:	Assessing Coloration in Ichthyology: Insights from the Melanophore Index Perspective
Type of the Article	Review Article

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. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, I think this manuscript is scientifically important and also very interesting. However, I would like to point out the following comments:</p> <p>1.1 Yes, fish biodiversity conservation using the MI index is an important and active area of investigation. For example, the following recent paper shows that exposure to pollutants such as Triphenyltin can interfere with the melanocortin system and pteridine metabolic pathway of coral reef fishes (<i>Amphiprion ocellaris</i>), leading to changes in body coloration. This can result in severe detrimental effects on their survival and reproduction in the reef ecosystem. There are other recent papers such as this one, which the authors can also discuss in their manuscript.</p> <p>1.2 “Triphenyltin induced darker body coloration by disrupting melanocortin system and pteridine metabolic pathway in a reef fish, <i>Amphiprion ocellaris</i>” in <i>Ecotoxicology and Environmental Safety</i>, vol. 274, 2024, by Liu <i>et al.</i> <a href="https://doi.org/10.1016/j.ecoenv.2024.116177">https://doi.org/10.1016/j.ecoenv.2024.116177</a></p> <p>2. The title is fine.</p> <p>3. The abstract is comprehensive enough.</p> <p>4. The subsections and structure are appropriate.</p> <p>5. The manuscript is scientifically correct, to the best of my knowledge.</p> <p>6. The references are sufficient and up to date.</p>	<p>1.Yes. The suggested recent paper is added in our revised manuscript.</p> <p>2.Yes 3.Yes 4.Yes 5.Yes 6.Yes</p>
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>yes</p>	
<p><b>Optional/General</b> comments</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>	