COMMENT TO AUTHORS

Review for “Review of Effects of Dam Construction on the Ecosystems of River Estuary and Nearby Marine Areas”, by Zhang et al. (2022).

Overall, the study is interesting using well approaches and written well, however, there is some flaws and questions from reviewer.

What is the motivation of the present study? Which is lacking in the abstract, introduction, and even in methods. I am quite confuse to catching the flow in the text. Thus, the authors need to be specific and concentrate on research motivation.

The abstract need the concluding remarks for the community and mitigation planning.

The introduction need more discussion on expansions of dams, recent global warming, and changing climate further intensify the dam’s failure processes over the diverse regions. Therefore, please have a look and extend the discussions of the recent global warming in term of temperature and precipitation, which are the important factors for exaggerating these natural phenomena. I recommend the (Iyakaremye et al., 2021a, 2021b) to read and make an argue. And for precipitation variability over Asia see Arshad et al., 2021. https://doi.org/10.1016/j.wace.2021.100373 https://doi.org/10.1002/joc.7485; https://onlinelibrary.wiley.com/doi/10.1029/2021EF002240 https://doi.org/10.1016/j.scitotenv.2021.148162

Method section: this section missing important explanation regarding structured and systematic approach. It is recommended to explain in detail and why the author choose instead of many other techniques. Check the novelty of these methods, and provide reasonable argue for the readers interest.

Finally, some lights on the physical mechanism on which these Hydrological cycle are increasing over the regions much be discussed-with the help of some recent literature. For detail see Ullah et al. 2021; Hina et al., 2021; Sein et al., 2021a,b,c https://doi.org/10.1002/joc.7321; https://doi.org/10.1080/19475705.2021.1938703 https://www.mdpi.com/2073-4441/13/5/729 https://onlinelibrary.wiley.com/doi/10.1002/joc.7419;