



ISSN NO. 2320-5407

ISSN(O): 2320-5407 | ISSN(P): 3107-4928

# International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

## REVIEWER'S REPORT

**Manuscript No.: IJAR-56476**

**Title: Spatial Distribution of coastal ecological provinces of Mangrove, Coral Reef and Seagrass within the exclusive economic zone of the Indian Ocean Rim countries: A review**

**Recommendation:**

- Accept as it is .....
- Accept after minor revision.....
- Accept after major revision .....**
- Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality			x	
Techn. Quality		x		
Clarity			x	
Significance		x		

**Reviewer Name: Dr. Hari Prashad Joshi**

### *Detailed Reviewer's Report*

This manuscript presents a valuable basin-scale assessment of mangrove, coral reef, and seagrass distribution across Indian Ocean Rim countries using globally consistent datasets. The topic is highly relevant for blue carbon accounting and marine spatial planning. However, I recommend a **\*\*major revision\*\*** due to several significant shortcomings. The methodology lacks critical details. While data sources are identified, the manuscript fails to specify the versions of datasets used, the year(s) of data collection, or the spatial resolution of analyses. No validation or uncertainty assessment is provided, which is essential for studies relying on secondary data. The analytical approach is described superficially simply as using "GIS tools" without explaining specific procedures for area calculations or handling of overlapping ecosystem boundaries.

The results section is overly descriptive and repetitive, with lengthy narrative descriptions of each country's ecosystem coverage that could be condensed into tables. The discussion inadequately synthesizes findings or engages with limitations of the underlying datasets. Several statements are vague or problematic, such as referencing "part of China" in seagrass distribution despite China not being an IOR country. The writing quality varies considerably, with grammatical errors and awkward phrasing throughout that impede comprehension. The manuscript would benefit from restructuring to present results more efficiently through tables and figures, followed by a focused discussion of patterns, drivers, and conservation implications. A sensitivity analysis or uncertainty discussion should be added. Professional language editing is strongly recommended. With substantial revisions addressing these methodological, analytical, and presentation issues, this work could make a meaningful contribution to regional coastal ecosystem assessment.