

Review Form 1.7

| | |
|--------------------------|---|
| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_95073 |
| Title of the Manuscript: | Assessment and characterization of groundwater quality of Malabar coast in Kerala, India |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

Review Form 1.7

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><u>Compulsory</u> 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. The manuscript is important for scientific community as it contributes to knowledge in the field of groundwater quality assessment.</p> <p>2. The chosen title for the manuscript is suitable</p> <p>3. The abstract of the article is comprehensive</p> <p>4. The subsections and structure of the manuscript is appropriate</p> <p>5. The manuscript is scientifically correct</p> <p>6. More than 50% of the used references were within 5 years. Also, some old references used could not be replaced.</p> | |
| <p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <p>There is a need for English language improvement</p> | |
| <p><u>Optional/General</u> comments</p> | <p>1. Hydro-geochemical processes need to elaborate comprehensively. How do the evaporation, seawater intrusion and rock weathering processes influence the hydrochemistry of the groundwater in the study area?</p> <p>2. How does the aquifer type (confined, semi-confined and unconfined) influence the groundwater water quality?</p> <p>3. The chosen Mann Kendall's test and Sen's slope methods need to be explained in the introduction. Also, why the methods were selected must be indicated.</p> <p>4. State the main limitations of this study and present some suggestions for future research.</p> <p>5. The results and discussion needs improvement.</p> | |

PART 2:

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

Review Form 1.7

Reviewer Details:

| | |
|----------------------------------|------------------------------|
| Name: | Victor Ofori Agyemang |
| Department, University & Country | Ghana |