

## Review Form 1.6

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| Journal Name:            | <a href="#">International Journal of Environment and Climate Change</a>  |
| Manuscript Number:       | Ms_IJECC_85223   |
| Title of the Manuscript: | Assessment of water contamination at Municipal solid waste disposal site, Jawaharnagar, Hyderabad, Telangana, 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 1.6**

**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) |
|-------------------------------------|--|---|
| <b>Compulsory</b> REVISION comments | <p><b>In Abstract</b></p> <ul style="list-style-type: none"> <li>- The problem was listed and focused on Contamination resulting from leaching by fermentation of waste in both surface and groundwater so It is necessary to indicate the type of soil on which the waste is collected, as well as the age of this site as a place for waste collection because this effects on concentration leaching materials in surface and groundwater.</li> <li>- Abstract says you tested TOC, BOD, and COD and said very high TOC, BOD, and COD. Where are these values? You should write these results as you did in the chemical tests</li> </ul> <p><b>In Introduction</b></p> <ul style="list-style-type: none"> <li>- It is preferable to mention more data and values about quality of water.</li> <li>- India's water consumption and per capita clean water as data that determine the extent of the problem</li> <li>- also, a special table showing the chemical and biological analysis wastewater.</li> </ul> <p><b>Results</b></p> <ul style="list-style-type: none"> <li>- It is preferable to refer to the Value of COD, BOD generated by the wastewater and the impact of its increase on the environment. It is also preferable to refer to the amount of carbon emission and the amount of oxygen consumed values, as well as the dangerous environmental effects of not treating these wastes.</li> <li>- I recommend to use column chart to clarify your data.</li> <li>- you say results were analyzed and inferred using MS EXCEL and AQUACHEM software. (Where are these analyzed ?-- We need a statistical analysis of the data to show standard deviation and the credibility of the results)</li> <li>- I recommend to make relationship between COD -BOD and TOC.</li> <li>- It is also important in the evaluation of criteria for measuring water contamination to measure toxicity with heavy metals and Coloured or Chromophoric Dissolved Organic Matter (CDOM / FDOM)</li> </ul> |   |
| <b>Minor</b> REVISION comments      | It is necessary to study the relationship between the concentration of leachate from direct waste its composting by taking samples, and its concentration upon regression or impregnation down to the surface or groundwater, and studying it over a period of time to confirm that it is the main source and not the components of the soil or others.  |   |
| <b>Optional/General</b> comments    | The main objective of the research was Assessment of water contamination at Municipal solid waste disposal site ( For the assessment to be fair and comprehensive, it should be include microbial tests, as well as assessments of chemical and toxic elements).   |   |

**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) |
|--|---|---|
| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) |   |

**Reviewer Details:**

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