

Review Form 1.7

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| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_113966 |
| Title of the Manuscript: | COMPREHENSIVE CHARACTERIZATION OF MUNICIPAL SEWAGE WATER: COMPOSITION, CONTAMINANTS, AND CHALLENGES |
| Type of the Article | |

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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) |
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| <p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <ol style="list-style-type: none"> 1. Yes the manuscript is highly important for scientific community because the study, identified key challenges faced with sewage water used for irrigation activities and provided useful suggestions in addressing the problem. Research study of this type is important as it relates with the health of crops, high crops productivity, quality of farm produce, health of farmers and the environmental maintenance. 2. The article title should be modified in order to suit the contents being analysed and presented. Comprehensive Characterization of Municipal Sewage water: Composition, Contaminants and Challenges should look into a holistic assessment of the pollutants' parameters including both the Microbiological and Physicochemical Quality assessment of the Municipal Sewage Water. The title should also indicate the study location. I therefore suggested the article title to be modified as 'ASSESSMENT OF PHYSICOCHEMICAL QUALITY AND CHALLENGES OF MUNICIPAL SEWAGE WATER IN MANCHALAPUR VILLAGE IN THE KARNATAKA OF INDIA 3. NO. The author should include total number of water samples collected and analysed in this study, include number of samples collected from each sample location. The author should begin the abbreviated parameters with their full spellings to increase understanding and attention of the readers' community e.g Total Dissolved Solids (TDS), Dissolved Oxygen (DO), Biochemical Oxygen Demand (BOD), etc State the Regulatory Standards for irrigation water used in this study, WHO's Regulatory Standards for Irrigation water, etc. State briefly the results of the parameters analysed and compared each with the regulatory standard e.g Average result of DO (5.6 mg/L) exceeds the WHO's Regulatory limit of DO(2.5mg/L) and down to all the parameters. Those below or above the standard should be clearly stated. State briefly the contributions of the research study to the challenges identified e.g This study suggested that so and so should be provided or carried out or implemented on the Municipal Sewage Water before discharged into farmland. 4. The manuscript lacks good structure. The author should add more sections such as RELATED WORK (Quote related works), AUTHORS'S CONTRIBUTION (under this heading, state the individual contribution of each author involved in this study e.g Author-1 carried out survey analysis, proposal development, samples collection, samples analysis and documentation of the study while Author-2 carried out the supervision, proposal approval, editing and typesetting of the manuscript, CONFLICT OF INTEREST(incase of no conflict of interest, State that the authors have no conflict of interest to disclose otherwise state it), FUTURE SCOPE, TABULAR PRESENTATION OF RESULTS. 5. Yes the manuscript is scientifically correct. Scientific procedures were followed and findings were presented in a scientific manner. I'm impressed with the 'Satellite Image of the Manchalapur Tank' for its clarity and originality. The ORIGINALITY PLAGIARISM REPORT also gives this manuscript a wonderful presentation just that the PARAPHRASED WORDS SHOULD BE MINIZED. 6. The author should please provide brief explanation on the various methods used in this manuscript to analyse these parameters. 7. The author should provide precise explanation of the challenges being identified with the sewage water analysed. This should come in the concluding paragraph of introduction section. 8. The author should make use of good grammatical expressions, punctuation marks, etc throughout the manuscript. 9. The paragraphing of the manuscript is weak. The author should adopt standard paragraphing for scientific research studies such as this. 10. The citations should please be serially presented in increasing order. 11. The author should consult | |

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| | https://www.isroset.org/journal/JSRMS/full_paper_view.php?paper_id=3326 for related works, related methodology deployed and references. | |
| Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications? | Well, the language quality of the article is good but need more improvement. | |
| Optional/General comments | This is indeed an interesting Research study. The presentation of this paper is good but the author need to review structural organogram of scientific research to modify where necessary as well as vital components to add to this beautify study. Aside key areas pointed out in this manuscript, the originality of this manuscript is good and a stand-out figure among others. | |

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

Reviewer Details:

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|----------------------------------|---|
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