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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4942** |
| Title of the Manuscript: | **Assessment of Spatial Expansion of Rift Valley Lakes Using Satellite Data** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Advances in Remote Sensing, 12(3): 88-98, 2023.**

**DOI: 10.4236/ars.2023.123005**

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | **The manuscript is important for the scientific community as it provides valuable insights into the dynamics of Lake Nakuru's water levels and area changes over time. It utilizes advanced remote sensing techniques, which can serve as a model for similar studies in other regions. The findings underscore the need for ongoing monitoring of water bodies in the context of climate change and human activities, making it a relevant contribution to environmental science.**  **The manuscript presents a significant contribution to the understanding of the spatial expansion of Lake Nakuru using satellite data. It highlights the impact of environmental changes on water resources, which is crucial for local communities and biodiversity. The methodologies employed, including NDVI and various classification techniques, are well-articulated and provide a robust framework for future studies. This work is essential for water resource management and ecological conservation in the Rift Valley region.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes, the title accurately reflects the content and focus of the manuscript.** |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | **The abstract is comprehensive; however, it could benefit from a brief mention of the implications of the findings for local communities and biodiversity** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, the manuscript is scientifically correct. The methodologies are appropriate, and the results are well-supported by the data.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The references are sufficient and mostly recent. However, including more recent studies on remote sensing applications in similar contexts could enhance the literature review.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes, the language and quality of English are suitable for scholarly communication. The manuscript is well-written and clear. |  |
| Optional/General comments | The manuscript is well-structured and presents a thorough analysis of the spatial changes in Lake Nakuru. The use of various classification methods adds depth to the study. It would be beneficial to include a discussion on the potential future implications of the findings for water management policies in the region.  The manuscript is a valuable contribution to the field and requires minor revisions to enhance clarity and depth in certain sections. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewers:**

**Pooria Kianoush , Iran**