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| Book Name: | [**Current Research on Geography, Earth Science and Environment**](https://bookstore.bookpi.org/product/current-research-on-geography-earth-science-and-environment-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6430** |
| Title of the Manuscript:  | **Influence of some environmental factors on the seasonal dynamics of nitrogen and phosphorus in the open waters of the Fresco lagoon, Côte d’Ivoire** |
| 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.**

**Journal of Global Ecology and Environment, 21(3):386-401, 2025.**

**DOI: 10.56557/jogee/2025/v21i39657**

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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.** | This paper provides valuable insights into the seasonal fluctuations of nitrogen and phosphorus levels in Fresco Lagoon, a crucial natural site in Côte d’Ivoire. It backs up the idea that pollution from human actions, along with regular seasonal changes, could lead to serious nutrient overload issues. By examining nutrient data alongside factors such as water chemistry and temperature, we can gain a clearer understanding of how these lagoon environments respond to external stress. Overall, these results are super important for keeping an eye on the environment, shaping better policies, and ensuring coastal lagoons in West Africa are managed in a way that lasts. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The current title, *“Influence of some environmental factors on the seasonal dynamics of nitrogen and phosphorus in the open waters of the Fresco lagoon, Côte d’Ivoire”*, is okay. |  |
| 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 does a solid job of laying out the core issue, goals, approach, and key results in a straightforward way. That said, it could be even better by including the exact timeframe of the research from June 2019 through May 2020, right up front, instead of burying it in the methods section. It would also help to spell out more vividly how eutrophication really affects wildlife diversity and everyday human uses of the area. Plus, dialling back on all those precise numbers and focusing more on the big-picture patterns and standout discoveries would make it easier to follow. To really amp up its punch, wrap it up with a quick line highlighting how ongoing oversight and smart stewardship are crucial for keeping the lagoon viable for the long haul |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Yeah, I believe the paper holds up well scientifically. They've chosen solid methods, including routine sampling, spectrophotometric tests, and PCA to handle the multivariate data. The findings are backed up effectively with clear data tables and thoughtful statistical breakdowns. In the discussion section, they tie everything back to existing research and offer a sensible explanation for those seasonal differences. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The list of sources mixes some classic foundational pieces from as far back as 2007 with cutting-edge studies right up to 2025, which keeps the whole thing feeling fresh and relevant. That being said, it's a tad narrow for tackling such a vast environmental challenge, since most of them zero in on local spots or tightly linked research. Adding a handful of broader, worldwide examples like insights into eutrophication and nutrient patterns in lagoons from places like the Mediterranean, South America, or Asia would really help paint a fuller picture and tie it all together |  |
| Is the language/English quality of the article suitable for scholarly communications? | The writing comes across as clear and generally fits the bill for academic discussions, but it could use a bit of polishing to make it even better. For instance, a few sentences drag on a little too long and might be easier to follow if broken down or simplified. There are spots with clunky wording like saying "waters show high levels, respectively, in Zone I..." which could flow more naturally and some small grammar tweaks would help, such as keeping verb tenses consistent or fixing article choices. All in all, it's easy to read, though a thoughtful edit for language would really elevate it. |  |
| Optional/General comments | * The figures and tables do a great job of sharing key info, but the captions would be even better if they included more details, like spelling out those seasonal abbreviations right there, so folks don't have to hunt back through the text to figure them out.
* It'd be helpful to flesh out the conclusion a bit more by really emphasizing practical management ideas. For example, what other steps could people take on top of just improving wastewater treatment
* One absent thing is a section on limitations, which would add a lot of honesty to the paper. Pointing out stuff like relying on data from only one year or not covering biological aspects, such as how phytoplankton might respond, would make everything feel more transparent
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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?**  | ***NO*** |  |

**Reviewer details:**

**Pragalbh Tiwari, India**