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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\_6007** |
| Title of the Manuscript: | **Amazon River: The Environmental Impact of Urbanization, Deforestation, Cultivation, Soil Erosion, and Sedimentation on Declining Amazon Water Quality** |
| Type of the Article | **Book Chapter** |

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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 article focuses on serious environmental concerns of the Amazon River, which is a very important ecosystem in the world. It compiles data regarding the effects of urbanization, deforestation, cultivation, erosion of soil, and deposition on the quality of water, which has a lot of significance in research in the science community whose focus is on degradation of the environment, loss of biodiversity and sustainable utilization of resources. The themes of ecological and cultural importance of the Amazon can be useful in terms of conservation and policy-building. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is considered to be appropriate, as it reflects the interest of the manuscript being environmental effects on the quality of Amazon water. Nonetheless, it is rather long and might be shortened in order to be easier to comprehend. Suggested Alternative Title: "Environmental Impacts on Amazon River Water Quality: Urbanization, Deforestation, and Sedimentation" |  |
| 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 contains a general description of the ecological role of the Amazon River and it cites the main environmental effects (deforestation, urbanization, cultivation, the invasion of species, land erosion, and settling). Nevertheless, it does not include special information concerning findings of the study, methods used, or conclusions, which makes it less comprehensive. It may be enhanced by stating the main outcomes or measures of mitigation addressed in the document. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript seems scientifically justified, explaining the tributaries of the Amazon, the geology, the soils, and the biodiversity in a realistic manner with references that can be considered as credible. Nevertheless, not all the claims (e.g., the influence of invasive species) are stated with enough information or evidence, which may weaken scientific validity. More quantitative information on the decrease of water quality as reaffirmed, or case studies would strengthen the manuscript. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | References are adequate in general and associated with a variety of topics, integrating into the ecology, geology, and cultural history. The majority of them are recent (up to 2024), which suits the topic. Nevertheless, not all the sources (e.g., [6], [14], [16]) are recent and may be complemented with more recent examinations of water quality or environmental effects. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The English quality fits the framework of scholarly communication though it can be enhanced. There are sentences that are too long or redundant, and there is some grammatical issues (e.g., inconsistency in the use of the comma). Reading would be much improved by a careful proof-reading and revision in the direction of brevity. |  |
| Optional/General comments | The manuscript proposes a detailed example of environmental issues surrounding the Amazon River but can be improved by paying closer attention to water quality by providing water quality indices or pollution levels. An exclusive mitigation strategies section (e.g. reforestation, sustainable agriculture practices) would be more in line with the target objective. Also, the views of the representatives of the indigenous population may enrich the cultural and moral levels of the research. |  |

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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)*  The manuscript does not have any specific ethical concerns. The rights of the indigenous groups and their role in the conservation may be however discussed in more detail by highlighting the case of the indigenous communities (e.g., Yanomami). |  |

**Reviewer details:**

**Diepiriye Chenaboso Okujagu, Nigeria**