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| Journal Name: | [**Current Journal of Applied Science and Technology**](https://journalcjast.com/index.php/CJAST) |
| Manuscript Number: | **Ms\_CJAST\_139744** |
| Title of the Manuscript:  | **Occurrence of Polycyclic Aromatic Hydrocarbons in the Waters from the Déganobo Lacustrine System (Côte d’Ivoire): Contamination Levels, Sources, Ecological and Health Risks** |
| Type of the Article |  |

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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** (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 manuscript is of significant importance to the scientific community as it provides a comprehensive assessment of PAH contamination in the Déganobo lake system, a freshwater resource potentially exposed to anthropogenic pollution. By integrating chemical analysis with ecological and human health risk assessment frameworks, the study offers valuable insights into the extent and sources of pollution. The identification of pyrolytic origins of PAHs contributes to understanding regional environmental degradation and aids in designing targeted pollution control strategies.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes, the title of the article suitable** |  |
| 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 informative and comprehensive, effectively summarizing the study's purpose** |  |
| Is the manuscript scientifically, correct? Please write here. | **Yes, Is the manuscript scientifically, correct** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **Yes, The manuscript cites a good number of references, many of which are recent (2021–2024), relevant** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Yes** |  |
| Optional/General comments |  |  |

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| **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:**

**Najeh Alali, Al-Ayen Iraqi University, Iraq**