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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\_4191** |
| Title of the Manuscript:  | **THE PRESENT STATE OF BOTANICAL KNOWLEDGEIN CÔTE D’IVOIRE** |
| Type of the Article | **BOOK CHAPTER** |

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| PART 1: Comments |
|  | Reviewer’s comment | 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 minimumof 3-4 sentences may be required for this part.** | This manuscript is essential for the scientific community as it offers in-depth information about the floral diversity and richness of tropical forests, especially in Côte d'Ivoire. By combining botanical research with GIS information, it illustrates patterns of species distribution and pinpoints crucial knowledge gaps for conservation initiatives. The results provide a solid basis for enhancing biodiversity research and ecological management approaches. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, The title *"The Present State of Botanical Knowledge in Côte d'Ivoire"* is both precise and fitting. It clearly reflects the manuscript's emphasis on the existing comprehension and extent of botanical research in Côte d'Ivoire. |  |
| 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 well-articulated and informative |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript seems scientifically sound based on the methodologies and observations outlined. The thorough and methodical data cleaning approach, which includes verifying taxonomic classifications, ensuring geographic consistency, and eliminating incomplete records, provides a strong dataset. Employing GIS tools such as QGIS for grid mapping and spatial aggregation reflects solid analytical practices. Furthermore, the application of well-established tools like EstimateS alongside custom R scripts for pattern analysis and identification of coverage gaps enhances the study's credibility and scientific integrity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references in the manuscript are sufficient but could benefit from the inclusion of more recent studies, particularly from the last 5 to 10 years, to reflect the latest advancements in GIS applications and biodiversity research.Incorporating these up-to-date sources would strengthen the overall relevance and accuracy of the study. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The manuscript's language is generally suitable for scholarly communication, effectively conveying scientific methods and findings.  |  |
| Optional/Generalcomments | Overall, the manuscript provides valuable insights into the flora of Côte d'Ivoire and effectively utilizes GIS tools for data analysis. However, it would benefit from including more recent references to reflect advancements in the field. |  |

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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)* |  |

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| **Reviewer Details:** |
| Name: | **Sugam Gupta** |
| Department, University & Country | **Tula’s Institute, India** |