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| Journal Name: | [Asian Research Journal of Current Science](https://jofscience.com/index.php/ARJOCS) |
| Manuscript Number: | **Ms\_ARJOCS\_1834** |
| Title of the Manuscript: | **Premium Motor Spirit Consumption and Environmental Sustainability in Nigeria: A Complex Interplay** |

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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 manuscript explores the critical relationship between Premium Motor Spirit (PMS) consumption and environmental sustainability in Nigeria, a topic of significant relevance to both environmental studies and energy economics. Understanding how PMS consumption impacts environmental sustainability can inform policies aimed at mitigating adverse environmental effects in a country where energy consumption is rising rapidly. The research highlights the complexities of balancing economic development with environmental responsibility, making it crucial for scholars focused on energy policy, sustainability, and environmental  protection. | Thank you |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title of the article, *"Premium Motor Spirit Consumption and Environmental Sustainability in Nigeria: A Complex Interplay,"* is quite suitable as it clearly captures the focus of the study—examining the relationship between fuel consumption and environmental sustainability in Nigeria. However, to make it slightly more concise and reflective of the complexity, an alternative title could be: “*The Impact of Premium Motor Spirit Consumption on Environmental Sustainability in Nigeria."* This alternative maintains the essence of the original while making it a bit more direct. | The Impact of Premium Motor Spirit Consumption on Environmental Sustainability in Nigeria  Updated |
| **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-structured and provides a clear overview of the study. However, there are a few areas for improvement. First, the abstract does not mention specific data sources, which are essential for credibility and clarity. Second, it lacks a reference to the time frame or dataset used for analysis. Additionally, the term **"Anthropogenic activities"** at the beginning may be too complex for new researchers, and a simpler alternative like **"Human activities"** could enhance readability. Minor refinements in these areas would improve the abstract’s clarity and comprehensiveness. | Ok |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct as it applies a suitable econometric model (Autoregressive Distributed Lag) to analyze the relationship between energy consumption and environmental sustainability. The findings are  Well-presented; however, specifying the data sources and time frame would enhance transparency and credibility. | Noted |
| **Are the references sufficient and recent? If you have**  **suggestions of additional references, please mention them in the review form.** | Yes | Ok |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes and suitable for scholarly communication | Ok |
| **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)* |  |