

Review of: "Modified free energy generation using permanent Neodymium Magnet based on Bedini with Maxwell and Lorenz gauge conditions"

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Potential competing interests: No potential competing interests to declare.

The paper presents a comprehensive and well-thought-out approach to designing a more efficient electricity generator by integrating innovative concepts from electromagnetic theory. The modifications proposed in the study offer promising advancements in harnessing energy from the environment while addressing important considerations related to energy sustainability and cost-effectiveness.

The topic is captivating because it combines scientific principles with practical applications to tackle challenges in electricity generation. The focus on enhancing efficiency, reducing costs, and minimizing environmental impact makes it a relevant and engaging area of research.

Overall, the paper's organization effectively guides the reader through the research process, from the initial concept to detailed analysis and results, ensuring a coherent and structured presentation of the study.

However, the research paper lacks several crucial elements essential for evaluating the practical viability of the modified electricity generator design. It omits discussion on practical implementation challenges, scalability across different electricity generation scales, and economic feasibility considerations such as initial costs and long-term savings. Furthermore, the lack of detail on numerical methodology and comparison limits reproducibility and transparency. The paper also misses opportunities to suggest future research directions and fails to include an environmental impact assessment, which is crucial for understanding sustainability implications. Addressing these gaps would greatly enhance the paper's relevance and applicability in real-world contexts.