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| Book Name: | **Power Industry Economics, Renewable Energy Systems, Electric Vehicles Engineering Design & Applications** |
| Manuscript Number: | **Ms\_BPR\_4547** |
| Title of the Manuscript: | **Power Industry Economics, Renewable Energy Systems, Electric Vehicles Engineering Design & Applications** |
| Type of the Article | **COMPLETE BOOK** |

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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 summary covers various topics such as opportunity costs, pricing decisions, sports shoe company expansion, industry changes due to supply and demand changes, monopoly market, product value drawbacks, smart phone company strategies, gaming strategies for electric vehicle dealerships. It also provides uncertainty management, shifts in the petroleum industry, activity-based costing in manufacturing facilities, standard costing, variance analysis, project management, limitations of electric vehicle charging infrastructure, fully battery electric vehicles, modeling battery circuits using transfer function models, wind, solar energy, hydrogen storage, and solar PV systems. The book covers the economic aspects of the power industry, renewable energy systems, and the engineering design and applications of electric vehicles that are crucial to understand the advanced technology for a better future** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes it is.** |  |
| 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. | **Yes** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes, but of lack of some relevant and recent articles. In some parts like chapter 15 and chapter 16.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Not really. The authors are recommended to add more reference. The reviewer suggests to enhance these both chapters.**  For Chapter 15. Please add these relavant references:  **[1] Theodore, A.M. and Şahin, M.E., 2024. Modeling and simulation of a series and parallel battery pack model in MATLAB/Simulink. Turk J Electr Power Energy Syst.**  **[2] Manfo, T.A. and Şahin, M.E., 2024. Development of an Automatic Photovoltaic Cell-Battery Powered Water Irrigation System Incorporated with Arduino Software for Agricultural Activities. Gazi Mühendislik Bilimleri Dergisi, (Erken Görünüm), pp.1-1.**  **[3] Theodore, A. M. (2023) A Comprehensive Analysis of Material Revolution to Evolution in Lithium-ion Battery Technology. Turk. J. Mater. 8(1): 1-13.**  For Chapter 16. Add these more recent reference as well.  **[1] Theodore, A. M. (2023) Progress into lithium-ion battery research. Journal of Chemical Research 47(3):1-9. DOI: 10.1177/17475198231183349**  **[2] Badi, N.; Theodore, A.M.; Alghamdi, S.A.; Al-Aoh, H.A.; Lakhouit, A.; Singh, P.K.; Norrrahim, M.N.F.; Nath, G. (2022) The Impact of Polymer Electrolyte Properties on Lithium-ion Batteries. Polymers, 14: 3101.** [**https://doi.org/10.3390/polym14153101**](https://doi.org/10.3390/polym14153101)**.**  **[3] Theodore A. M. (2023) PROMISING CATHODE MATERIALS FOR RECHARGEABLE LITHIUM-ION BATTERIES: A REVIEW. International Journal of Sustainable Energy and Environmental Research, 14(1):51-58.**  **[4] Badi, N., Azemtsop, M. T.; Aashis, R.; Saleh, A.; Alghamdi, Ahmed O M. A.; Alex, I. (2022) Preparation and Characterization of 3D Porous Silicon Anode Material for Lithium-Ion Battery Application." International Journal of Electrochemical Science 17, 6: 22064.**  **[5] Manfo, T. A. Structural, electrical, and electrochemical studies of the olivine LiMPO4 (M=Fe, Co, Cr, Mn, V) as cathode materials for lithium-ion rechargeable batteries based on the intercalation principle [version 1; peer review: 1 approved with reservations, 3 not approved]. Materials Open Res 2023, 2:11 (**[**https://doi.org/10.12688/materialsopenres.17559.1**](https://doi.org/10.12688/materialsopenres.17559.1)**)**  **[6] Badi, Nacer, Azemtsop Manfo Theodore, Saleh A. Alghamdi, Hatem A. Al-Aoh, Abderrahim Lakhouit, Pramod K. Singh, Mohd Nor Faiz Norrrahim, and Gaurav Nath. "The impact of polymer electrolyte properties on lithium-ion batteries." Polymers 14, no. 15 (2022): 3101.**  **[7] Theodore, A.M. and Şahin, M.E. (2024) Modeling and simulation of a series and parallel battery pack model in MATLAB/Simulink. Turk J Electr Power Energy Syst, 4(1), 2-12, DOI: 10.5152/tepes.2024.23024**  **[8] Theodore, A.M., Abbas, A.A. and Dhapola, P.S., 2023. Effect of Layered, Spinel, and Olivine-Based Positive Electrode Materials on Rechargeable Lithium-Ion Batteries: A Review. *JCMPS*, *6:* 38-57.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes. However, the authors need to make a second round verification. |  |
| 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)* |  |

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| **Reviewer Details:** | |
| Name: | **Theodore** |
| Department, University & Country | **University of Vaasa, Finland** |