

# Review of: "Low-Carbon Hydrogen Economy Perspective and Net Zero-Energy Transition through Proton Exchange Membrane Electrolysis Cells (PEMECs), Anion Exchange Membranes (AEMs) and Wind for Green Hydrogen Generation"

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Potential competing interests: No potential competing interests to declare.

This review article discusses the hydrogen economy and its production via various methods in the title "Low-Carbon Hydrogen Economy Perspective and Net Zero-Energy Transition through Proton Exchange Membrane Electrolysis Cells (PEMECs), Anion Exchange Membranes (AEMs), and Wind for Green Hydrogen Generation." Here I point out some suggestions in the review to improve the quality of the current theme of the review. This review seems like a primary draft in the current form, not like a finalized manuscript. If the following suggestions are accomplished, there is a high chance for acceptance and publication in a journal. I believe that the authors are considering my points.

1. Authors are encouraged to change the title of the review; it doesn't meet the current work.
2. Review subsection titles are arbitrary, and concise information is only available. There is no logical format existing in the present form of the manuscript. So, manuscript sections should be modified, and more details must be added to these sections.
3. I recommend authors to change the manuscript format and classify it into a minimum of three various sections: (i) Hydrogen, (ii) Different Units' Systems, (iii) Wind, AEMEC, and PEMEC production, with precise subsections in detail. Finally, the conclusions and future perspective of this work must be presented.
4. The English language and alignment in the manuscript is poor. The qualities of figures must improve with appropriate dimensions.
5. Most of the cited references in the manuscript are not well organized, and these works are old, from before 2017. Add more recent work related to this review.
6. The abstract should be modified with respect to the actual motivation of the current review theme.
7. The introduction section is small; more information should be added about wind, AEMEC, and PEMEC methods of hydrogen production.