

Review of: "Empowering Women in Mathematics: Shaping a New STEM Paradigm for 2047"

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Potential competing interests: No potential competing interests to declare.

The topic is very interesting and deserves attention.

However, it lacks scientific depth and is not making a good case.

- The figures of female mathematician students refer to the world and the USA.
- Any figure for India, which one would expect, is missing.
- There is not sufficient distinction between STEM and Mathematics (I had several Indian engineers as students with an excellent mathematical background, very sufficient to do software and scientific jobs...)
- So the case is not clear: Is there a lack of mathematics teachers, or is it a general lack of STEM-related capacity building, or another postulate?
- The table is very confusing in relation to the article.
- A lot of referencing is Indian-focused (Bharat in 2047?) and not targeting an international audience.
- The case study is interesting but not put in the right context and unclear why it is referred to.

Overall: If there is a provision for 'short opinions' in the journal, it might fit there. On the other hand, if it is intended to be a scientific article, it requires a deeper analysis and much more substance.

The topic deserves, no doubt, attention, but it does not fulfill the basic requirements to make a solid case as it is now... If it is not intended by the authors to be elaborated, maybe a short 'opinion' or other section of the journal could be considered, but still in that case, essential data are missing on STEM in India (data can be found easily in the public domain, e.g., from World Bank, UN SDG reports, etc.).