

# Review of: "Quantifying the Environmental Impact: A Comparative Analysis of Consensus Algorithms in Blockchain for Carbon Footprint Reduction and Mitigating Climate Change"

Ali Khatibi<sup>1</sup>

<sup>1</sup> University of Tehran

Potential competing interests: No potential competing interests to declare.

The paper entitled "Quantifying the Environmental Impact: A Comparative Analysis of Consensus Algorithms in Blockchain for Carbon Footprint Reduction and Mitigating Climate Change" was reviewed. The subject is important and interesting, and the paper is well organized. However, there are some equations in the paper to calculate the carbon footprint related to blockchain technology, but it is not clear which approach (PoW, PoS, DPoS) has the minimum value. Although the paper represents a guideline for calculation, there are no explicit calculations for the declared technologies, and there are some general examples due to the use of the equations. Therefore, I recommend a MAJOR REVISION for this paper before publishing.