

Peer Review

Review of: "Anaerobic Digestate as a Soil Amendment: Impacts on Crop Production, Soil Ecology, and Environmental Quality: A Review"

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First of all, I like the overall structure of the paper and find it interesting and easy to read. I have, however, some points that could be improved.

Especially in the introduction, the paper focuses too much on the digestion of waste. In many countries, waste is only a very small part of the feedstock for biogas plants. Most of it is plant material grown for the biogas plant (usually corn).

The information in Table 1 is not detailed enough or does not fit the titles of the columns. For example, for the very first paper, it says "River Sand Soil" under the column title "plants/organisms." For the second paper, it just says "biogas plant slurry" under the title "digestate source." Table 3 has similar deficiencies and often lists soil under plant/organism. Please improve the tables and/or data given for every paper; otherwise, they have no real value.

Please write the Latin names of organisms in italics.

Please don't mix t ha⁻¹ and t/ha. The first one is correct; the second one is not, even though it is commonly used.

Table names/descriptions should be positioned above the table.

Table 2 is very short compared to Table 1. In a review article, I would expect more than one source for a point, but in Table 2, you have only one paper for all nutrients together. The same goes for Table 6. A review must bring multiple sources together and maybe even reorganize them; otherwise, I can simply read the original paper.

Declarations

Potential competing interests: No potential competing interests to declare.