Review of: "Valorization of palm oil wastes into oyster mushrooms (Pleurotus HK-37) and biogas production"

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Potential competing interests: No potential competing interests to declare.

General Comments

This article deals with the valorization of waste from palm oil production. This is a very important topic for discussing and taking action to mitigate the impact on the environment, as well as ensuring that the processing chain is sustainable.

Much has already been done to utilize these palm residue fractions. As such, this study did not provide any new data, nor was it scientifically robust, since it did not characterize these fractions (content of lignin, cellulose, hemicellulose, reducing sugars, lipids) or their elemental chemical composition (CHNOS), since this implies metabolism, since the C/N ratio explains the data on the development of the fruiting body, as well as the conversion of organic matter.

Furthermore, it did not consider aspects of the kinetics of biogas production and its composition.

It considered the results observed, without committing to further investigation of the reasons why.

There is no statistical data on the results of Pleurotus growth (fruiting and development).

What was new about this work?

I think it should be rejected for publication, as it is simply a presentation of data.