

Review of: "Recycling of Waste Bamboo (*Bambusa vulgaris*) into Value-Added Platform Chemicals: Bioethanol and Bioethylene"

Walter Murillo Arango¹

¹ Universidad del Tolima

Potential competing interests: No potential competing interests to declare.

The research presented is interesting. The introduction is well oriented; however, the general structure of the manuscript must be reviewed if it is required to publish in the research article format. The organization of the methodology must be improved, especially with regard to enzymatic treatments. More details of the enzymes used, including brand, purity, etc., should be included. There is no detail of the repetition of experiments. This data is important to have more precise calculations on the production yields of ethanol and ethylene. Yields should be reported based on the initial mass of bamboo used. It is recommended to represent it using equations.

The discussion of the results is actually very poor. The results of all the items addressed should be discussed and compared with the existing literature on the matter. The experimental limitations under which the study was carried out are understood; however, this cannot justify not presenting a robust experimental design. Furthermore, it is important to comment in more detail on the limitations and scope of the results obtained. It is suggested to improve the bibliography, including more updated references.