

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

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Potential competing interests: No potential competing interests to declare.

I had immense pleasure to have the opportunity to review the manuscript entitled "Recycling of Waste Bamboo (*Bambusa vulgaris*) into Value-Added Platform Chemicals: Bioethanol and Bioethylene" by Ugo et al. The reported perspective is interesting and of increasing impact worldwide. However, some aspects should be considered:

- Some technical steps demand to be supported by more information. For instance, the enzymatic hydrolysis step should be supported by the source of the enzyme and the temperature at which the treatment process was carried out; the product of the enzymatic treatment should be analyzed for the glucose proportion with a standardized and detailed process.
- The fermentation step section has termed the *Saccharomyces* yeast as an enzyme instead of as a microorganism or unicellular yeast. The whole fermentation process should be supported with the associated conditions: the hydrolysate dilution; the other constituents of the feeding medium; the initial pH value; the temperature; aerobic or anaerobic incubation conditions; and the incubation period.
- The #Methodology part should not introduce results data, as all results should be displayed in the #Results part in the corresponding sections.
- I miss the description of how you determined the properties of the produced ethanol in the #Methodology part, such as the flash point.
- Tables 1 & 2 should be merged.
- The #Results part should not introduce identifications or anything other than the attained results.
- The #Discussion part should discuss the results and compare them with previous studies to evaluate where your concept is located among the other reports.