

# 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.

This is an interesting study on utilizing bamboo waste to produce bioethanol and bioethylene. However, more details are required for it to be considered scientific.

**Abstract** – Clearly state the scientific objective of the work and minimize the motivational text. Highlight the novelty compared to existing literature. Present results with specific numbers and provide a convincing conclusion.

**Introduction and Literature Review** – Improve this section by citing relevant references and demonstrating how this work advances beyond previous studies. Relate the title to the current state of the art, considering national bamboo production and waste. Discuss current technologies for cellulose separation, fermentation, ethanol dehydration, and the differences in this study. Clearly state the objective of the work.

**Methodology** – Provide a detailed description of each step: pulverization, hydrolysis, separation, fermentation, and dehydration. Specify the reagents, equipment, and operating conditions used.

**Results and Discussion** – Explain the separation of products and the reaction conditions at each stage. Detail how the products were quantified.

**Conclusions** – Include significant conclusions in the abstract. Show how the material produced (bioethanol and bioethylene) can be used. What needs to be done?