

Review of: "Investigation of Mechanical Properties of Sisal Fiber and Sugar Palm Fiber Reinforced Hybrid Composites"

Garip Genc¹

¹ Marmara University

Potential competing interests: No potential competing interests to declare.

First of all, I would like to create a perspective so that the article can be examined properly. The main reason for the hybrid use of plant fibers is to create a better reinforcement element by blending the superior properties of each fiber used.

In this study, one of the materials was used as a long fiber and the other as a short or chopped fiber. In examining mechanical behaviors such as impact or bending, the symmetry plane must be defined. After defining the symmetry plane, we can design the fiber-reinforced structures in a unidirectional or orthotropic manner. We can understand the mechanical behaviors we measure according to the designed structures.

How was the symmetry plane of the composites presented in the article, and how were the combinations mentioned below designed?

- **Sample 1: 70% resin + 10% sisal fibre + 20% sugar palm fibre**
- **Sample 2: 70% resin + 20% sisal fibre + 10% sugar palm fibre**
- **Sample 3: 70% resin + 15% sisal fibre + 15% sugar palm fibre**