Publications

Research articles (Published)

1. Sudhakar Behera, R. K. Gautam, Sunil Mohan. The effect of eco-friendly chemical treatment on sisal fiber and its epoxy composites: Thermal, mechanical, tribological and morphological properties. **Cellulose (2022) (I.F = 6.123) (SCI)**. DOI: https://doi.org/10.1007/s10570-022-04826-w

2. Sudhakar Behera, R. K. Gautam, Sunil Mohan. PLA and PHB coating of hemp fibers: Its effect on the HFREC performance. **Journal of Composite Materials (2022) (I.F = 3.211) (SCI).** DOI: 10.1177/00219983211066991

3. Sudhakar Behera, Rakesh Kumar Gautam, Sunil Mohan, Arghya Chattopadhyay. Hemp fiber surface modification: Its effect on mechanical and tribological properties of hemp fiber reinforced epoxy composites. **Polymer Composites (2021) (I.F = 3.571) (SCI)** DOI: 10.1002/pc.26217

4. Sudhakar Behera, Rakesh Kumar Gautam, Sunil Mohan, Arghya Chattopadhyay. Dry Sliding Wear Behavior of Chemically Treated Sisal Fiber Reinforced Epoxy Composites. **Journal of Natural Fibers (2021) (I.F = 5.323) (SCIE)** DOI: 10.1080/15440478.2021.1904483

5. Sudhakar Behera, Rakesh Kumar Gautam, Sunil Mohan, Arghya Chattopadhyay. Mechanical and tribological properties of chemically modified jute/epoxy composites. **Plastics, Rubber and Composites: Macromolecular Engineering (I.F = 1.843) (SCIE)** DOI: 10.1080/14658011.2023.2212325.

Articles (In communication)

1. Sudhakar Behera, Rakesh Kumar Gautam, Sunil Mohan, Anupam Tiwari. Mechanical, Water absorption and Tribological properties of Epoxy Composites filled with waste Eggshell and Fish scale Particles. **Progress in Rubber Plastics and Recycling Technology (I.F = 2.171) (SCIE)**

Conferences (Presentation)

1. Sudhakar Behera, Rakesh Kumar Gautam, Sunil Mohan. Study of sodium hydroxide treatment on the surface of bamboo fiber. **Advancement in materials processing technology, 31-10-2020 to 2-11-2020, NIT Jamshedpur.**

Book chapter

1. Sudhakar Behera, Rakesh Kumar Gautam, Sunil Mohan Study of Mechanical properties of Chemically treated Kenaf Fiber and its Composites. ln R. Prasad, R. Sahu, K.L. Sahu and G.N. Jadhav (Eds) **Advancement in Materials Processing Technology (2022) (pp. 115-123) Springer Singapore**

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