

Fatigue behavior of mycelium composites



Biodegradable mycelium composites have the potential to replace materials like expanded polystyrene (EPS) in packaging and insulation applications. EPS is an oil-based and non-degradable polymer, while mycelium composites grow on straw substrates and are compostable.

In a bachelor or master thesis the fatigue behavior of the material will be investigated. The composite material will be prepared by the Chair of Molecular Microbiology at TU Berlin. The material will be tested in dry and wet condition and can additionally be tested in re-dried condition. The fracture surface will be examined by optical means.

The scope and focus of the work can be adjusted according to interest.

Contact:

Sophie Klemm

030 314 23117

sophie.klemm@tu-berlin.de