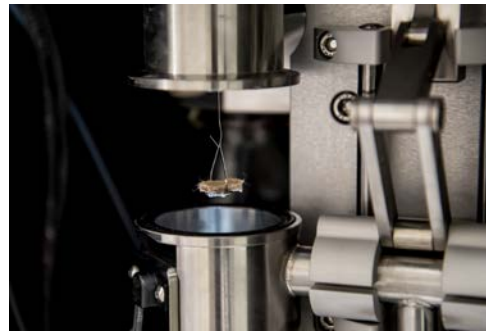


3D printing with renewable materials



Trailer loading-panel made from hemp-flax



Dynamic-Vapor-Sorption Analysis



Melt-flow-index measurements

Value from Natural Materials and Residues



Interested in

- *Bilateral R & D*
- *Funded research projects (National science fund, EU, regional funds,..)*
- *Basic research projects*

then please contact us!

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PROF. DR. NORBERT MUNDIGLER
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Innovations with Nature



*Eco-button
100% bio-based and recyclable*

Vision

Conduct research and developments of innovative materials and technologies by using bio-based / natural materials, as well as residues and wastes.

Our vision is to work together with our partners towards solutions for new materials and technologies, which should also reach market readiness.



3D-printed real wood structure

Pilot-plant and scale-up facilities

As key technologies we are running injection molding, profile extrusion, 3D printing, carding machines for non-wovens, fleece bonding, and press-molding.

Available facilities are covering essential production processes, and raw material preparations. We also offer analytics and material characterisation.



*Profile-extrusion with co-extrusion using
natural materials / residues*



SPIKE –air-laid natural fibre fleeces

From research to applications

With our complete and up-to-date infrastructure, we ensure a science-based approach along with an efficient and industry –relevant implementation of bilateral research tasks. Basic research, education and teaching are completing the range of activities.

Core-Competences:

- *Wood-Polymer Composites (WPC)*
- *Paper-Polymer-Composites (PPC)*
- *Products made from residues / waste materials*
- *Biopolymer products*
- *Natural foams*
- *Natural fibre– nonwoven moldings*
- *Insulation materials*
- *Characterisation (mechanical, thermal, sorptive)*