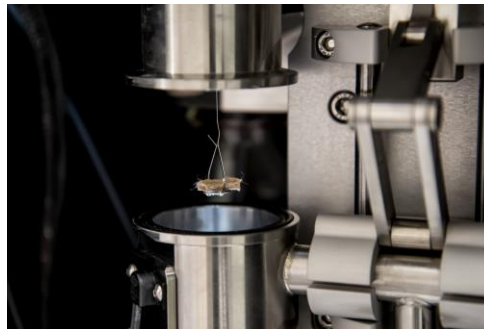


3D Printing with renewable materials



Trailer loading-panel made from hemp-flax



Dynamic-Vapor-Sorption Analysis



Melt-flow-index measurements

Value from Natural Materials & Residues



Are you interested in...

- *Bilateral R&D*
- *Funded research projects (National science funds, EU, regional funds,)*
- *Fundamental research projects?*

...then please contact us!

BioKunststoff Technologie
Universität für Bodenkultur Wien
IFA-Tulln, Institut für
Umweltbiotechnologie
Konrad Lorenz Straße 20
3430 Tulln / Austria
Telefon: +43 (0)1 47654 97404
office.bkt@boku.ac.at
<https://boku.ac.at/ifa-tulln/bkt>



<https://boku.ac.at/ifa-tulln/bkt>

ANDREAS MAUTNER

Innovations with Nature



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

Our Vision

Conducting research and development of innovative materials & 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.

Our available facilities cover essential production processes and raw material preparation. We also offer analytics and material characterization.



*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 science-based approaches along with 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)*