

From fiber to form

Material-Driven Design with Biocomposites



by

BUNDLE STUDIO

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About us

- Design studio established in 2024 based in Copenhagen
- Founded by Jón Hinrik Höskuldsson and Kirstine Sejersen
- Focus on furniture and objects design
- Working with bio based composites



What is material-driven design method?

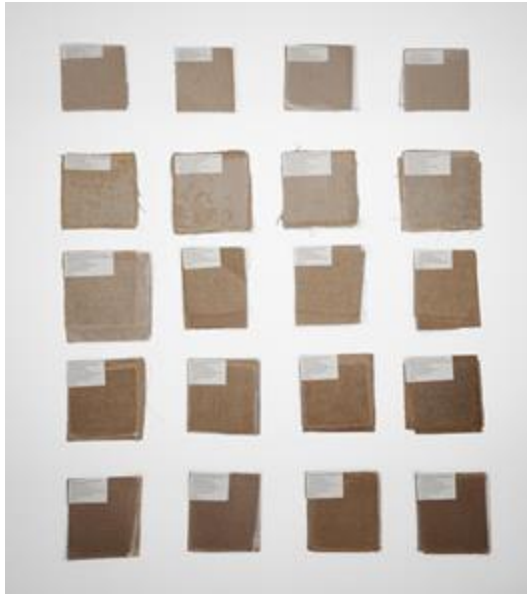
Traditional design process

Form → Function → Material

Material-driven design process

Material → Form → Function

A practical example on the Material-driven design method



1. Investigating material properties



2. Investigating form



3. Investigating functionalities

The fiber reinforced composite's role in furniture design



Photos: VITRA



Natural fiber reinforced composites



"Hemp Chair" by Vepa



"Flax stacker" by Please Wait to be Seated



"Mat Chair" by Normann Copenhagen

Our Journey



Form experiments with concrete molds

Sprout Chair made from PLA and flax fibers



Introducing textile



Bamboo tooling



Bundle - a biobased chair



Branch Chair



Canopy



Last thoughts



"Canopy" at *Enhance*, Milan Design Week

Thank you!