Engage4BIO

Myco-bricks

The Project

Exploring fungi-based solutions for sustainable construction

- Developed at the University of Applied Arts Vienna as part of the *Mouldelling Design* project
- Investigates mycelium as a regenerative, low-impact construction material
- Bricks are grown, not manufactured – biodegradable, lightweight, and viable for structure
- Reduces carbon emissions and the consumption of finite resources
- Responds to the environmental cost of traditional building materials
- Promotes a circular, nature-based construction paradigm
- Pushes the boundaries of biofabrication and material experimentation
- Emphasizes the interconnectedness of fungi and ecological thinking
- Challenges industry norms by embedding biological processes into architectural design

Designer – Samire Gurgurovci

- Multimedia artist and researcher from Kosovo
- Explores the intersection of art, science, and social justice
- Studied Cross-Disciplinary Strategies at the University of Applied Arts Vienna
- Holds a Master's in Human Rights from Central European University
- Artistic practice focuses on materiality, process, and ecological narratives
- Fascinated by fungi as both symbolic and ecological agents
- Highlights cooperation between human and non-human systems
- Since 2023, engaged in research on nutrition and bioeconomy
- Combines academic insight with creative exploration for impact-driven design

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> “Multi-stakeholder engagement to strengthen regional bioeconomy value-chains”

Consortium :

ZSI

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