



Technické
využití
podhoubí

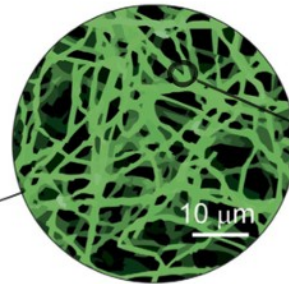


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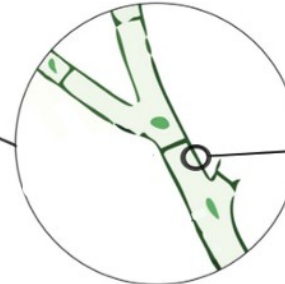
Mycelium



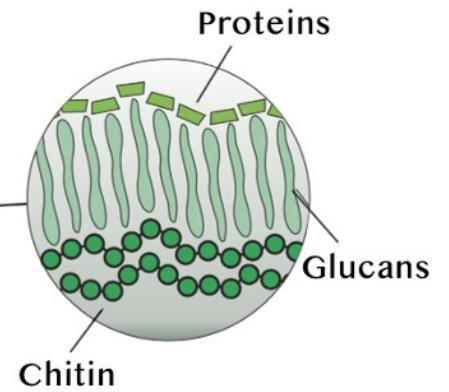
Mushroom



Mycelium



Hypha

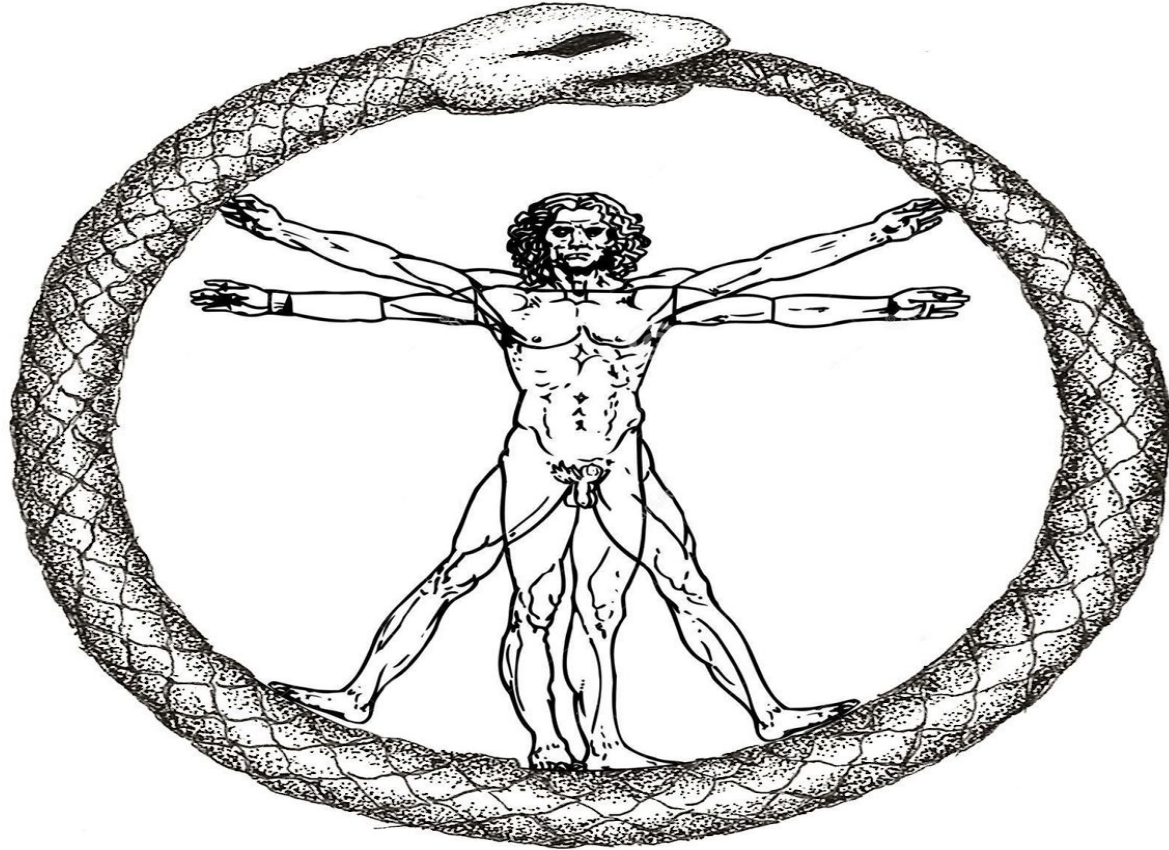


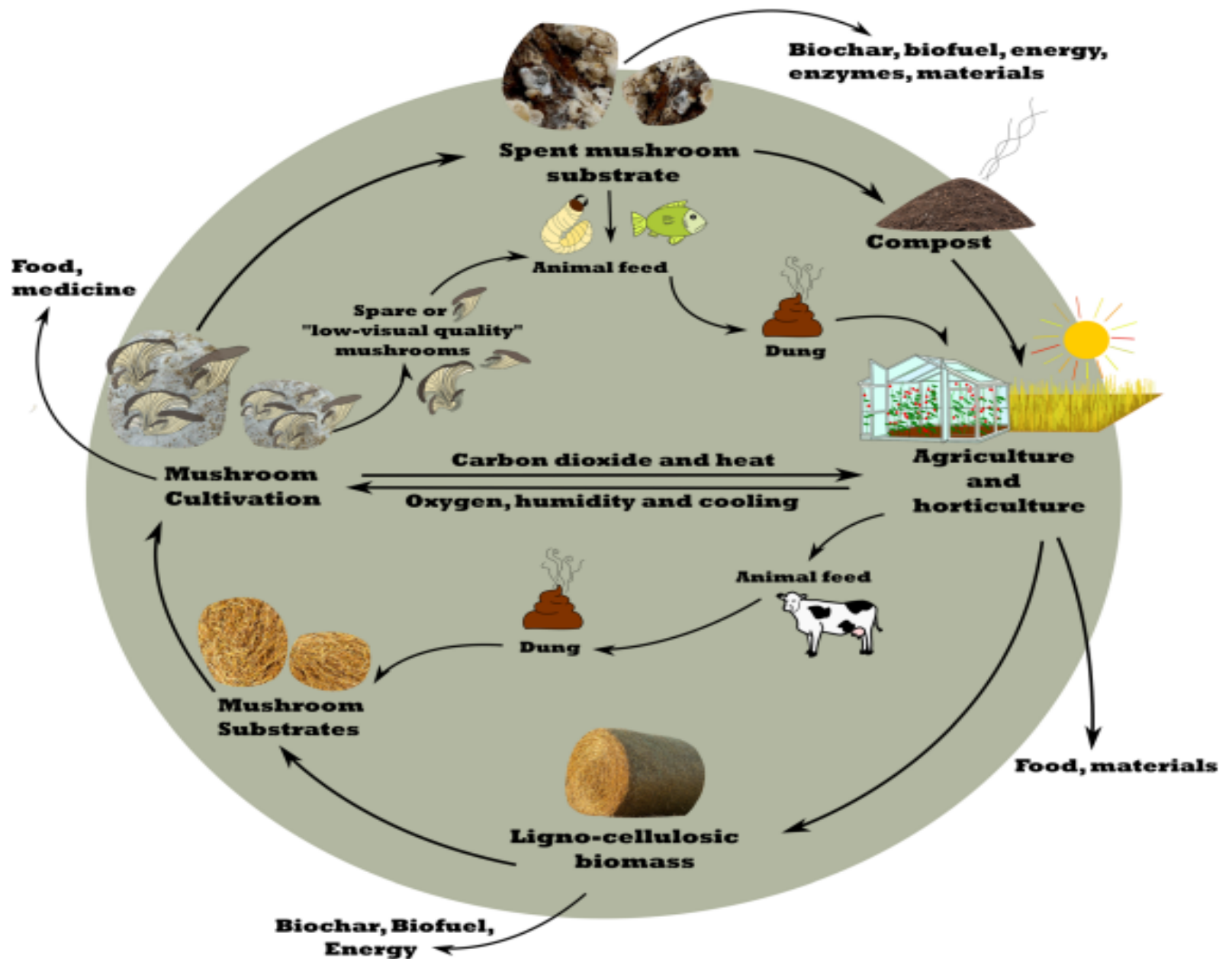
Cell wall

Chylin/chitosan

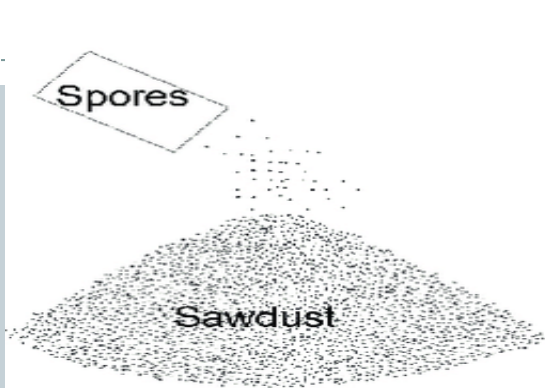


- Chitin je polysacharid složený z molekul N-acetyl-D-glukosaminu, které jsou spojeny 1,4- β -glykosidickou vazbou, vedle celulózy je nejrozšířenějším polysacharidem na Zemi.
- Chitosan je polysacharid vyráběný deacetylací chitinu
- Využití – potravinářství, farmacie, vodohospodářství, zemědělství, chemická výroba.....
- Chem. struktura - Hofmann





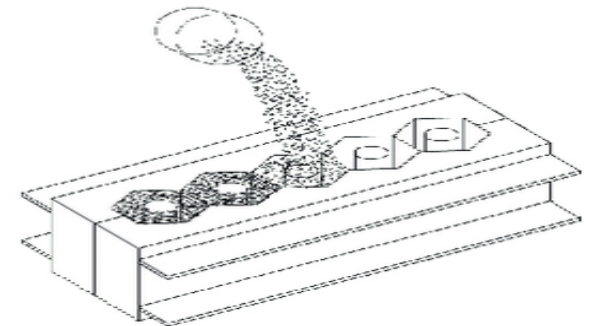
Výroba mykokompozitu



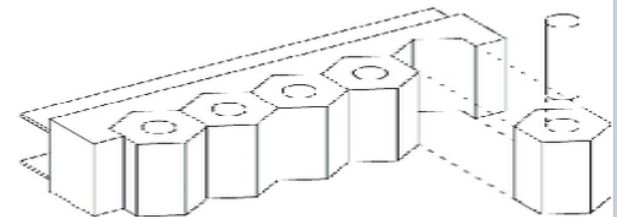
1. Sterilized sawdust and nutrient medium is inoculated with mushroom spores



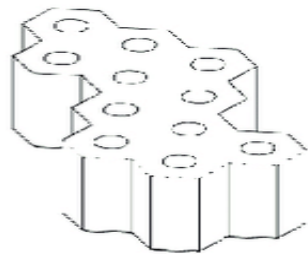
2. Inoculated medium is incubated under controlled conditions for 14 days



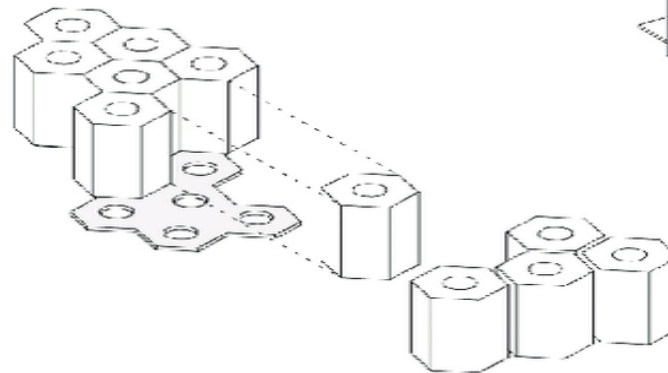
3. bags are molded into hexagonal units



4. demoulding

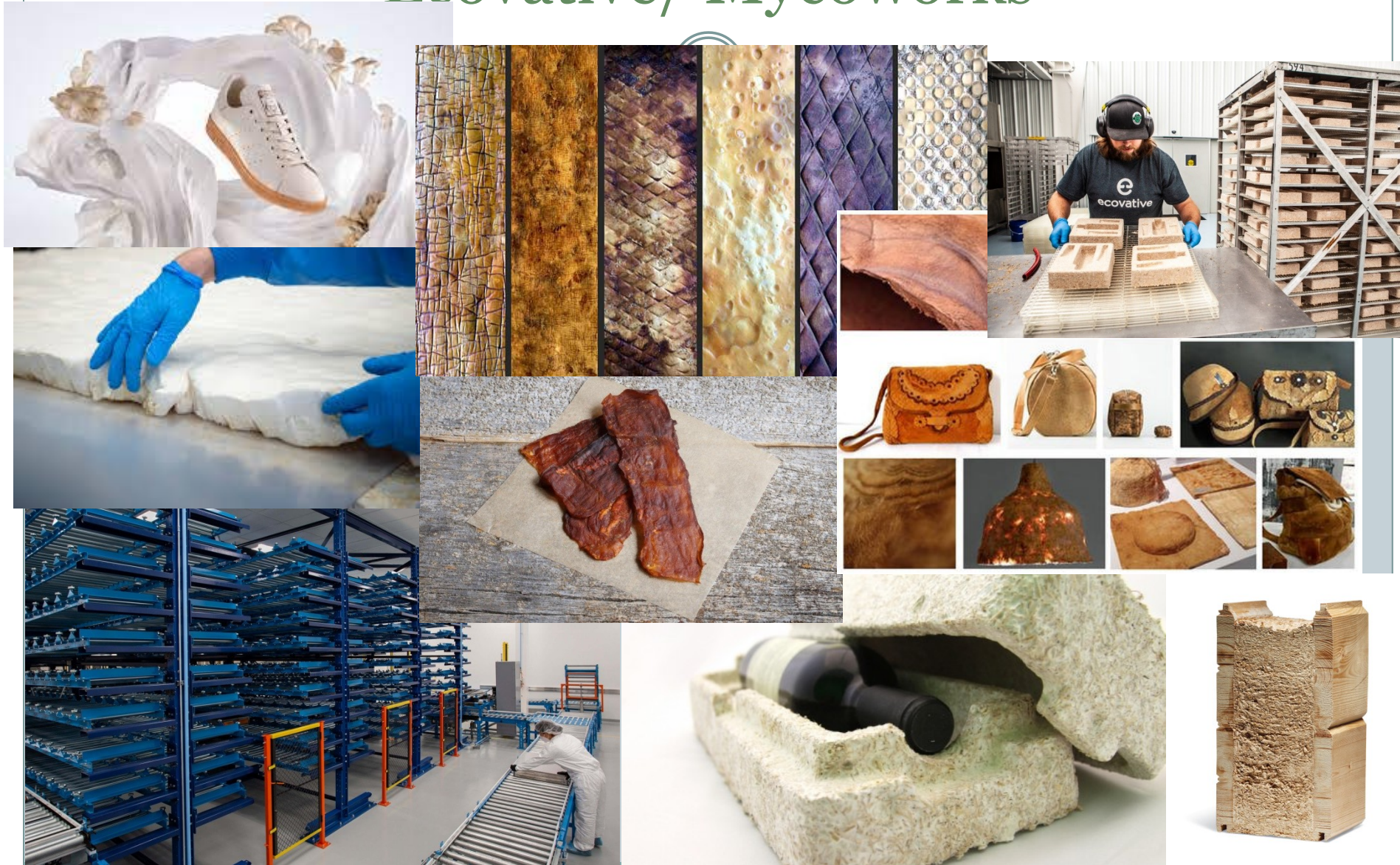


6. Chitin fuses units into monolithic whole

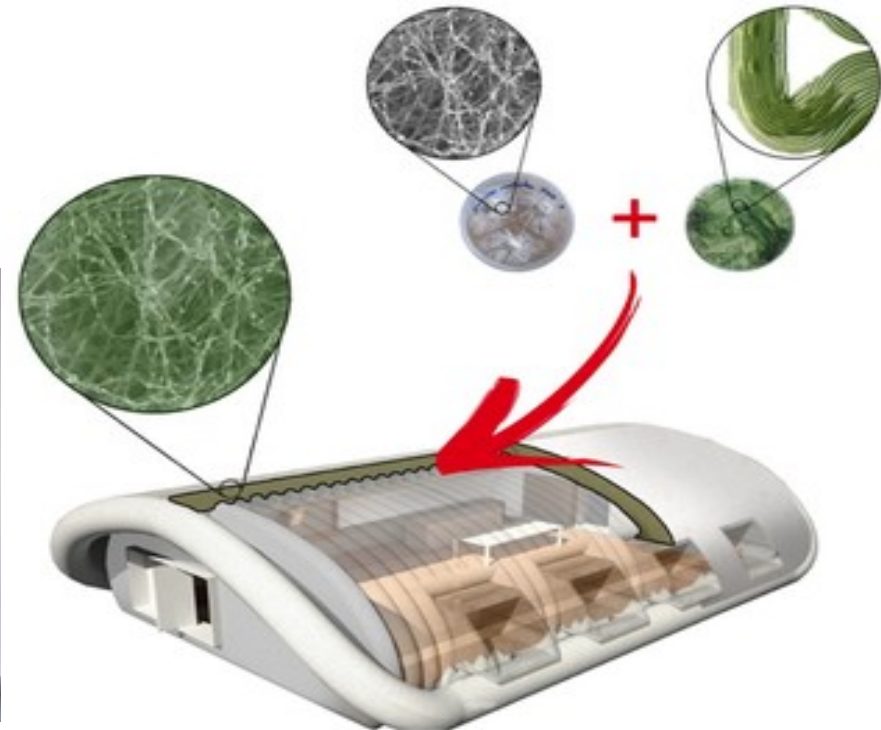


5. Units are assembled onto plywood base

Ecovative/ Mycoworks



Stavebnictví



Interiérový design





Plodnice.cz



Mykilio

sustainable building



Mykilio s.r.o.





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