

SOCIAL EFFECT FROM GROWING OYSTER MUSHROOM

GPM Carbon is going to be even more effective thanks to addition of chitosan.

Our company is going to extract fungal chitosan from oyster mushrooms with purposes to mix it with active carbon in certain combinations.



The manufacturing equipment of the active carbon technology is also suitable for processing of oyster mushrooms.

The National Ecology and Nature Center of Ukraine has expressed its interest to patronize the project thanks to the obvious potential benefits of growing oyster mushroom (*Pleurotus fungus*) for production of chitin and chitosan.



Prompt development of our production is going to facilitate procedures of preparing and supporting adolescents, families with unemployed parents and internal refugees from Eastern Ukraine to grow oyster mushrooms for guaranteed purchase by our company.

The most common source of chitin and chitosan is the crustaceous shell; however, mushrooms are a good source for isolating these biopolymers because their cellular wall has a high content of chitin, which may be transformed into chitosan through a deacetylation reaction. Production of fungal chitosan from mycelium has significant advantages.