

Nanotech Fungi

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With large amounts of oil present in our oceans which threatens the existence of sea life, scientists have been trying to find new methods to solve this crisis, and save the environment. Inspired by this, three experiments were conducted with the use of inexpensive materials and techniques to remove 56.70 g of oil present in 737.09 g of salt water. The independent variables which were tested are: ferrofluids (magnetic fluids), oyster mushroom mycobooms and oyster mushroom mycobooms enhanced with sawdust. Each independent variable yielded successful results and supported the hypothesis being tested. However, ferrofluids and the presence of the iron nanoparticles quickly and efficiently absorbed the oil. At the beginning, the mass of the mixture was 988.69 g and ended at 875.29 g, a total loss of 113.9 g, 56.70 g removed oil, 14.18 g ferrofluids, and 42.52 g water loss. Therefore, it earned the most positive results and was the most efficient independent variable.