

Algae products from magnetic cultivation



National
Technical
University of
Athens

Description

Valuable products from algae using new magnetic cultivation and extraction techniques.

Objectives

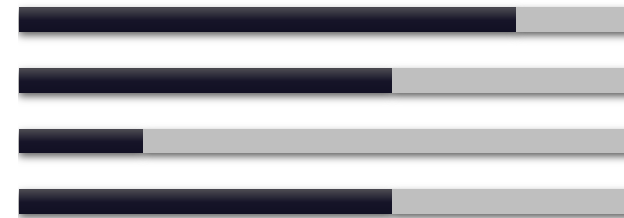
- To perform a detailed quantitative environmental evaluation of magnetically enhanced micro-algae cultivation and demonstrate its advantage in terms of increased sustainability,
- To evaluate the impact on specific environmental categories, primarily global warming, depletion of non-renewable resources, eutrophication and ecotoxicity.

Activities

- Sustainability assessment:
 - Life-Cycle Assessment LCA.

Challenges

- Input data complex to collect
- Technical knowledge required
- Legal & legislation barriers
- Technology readiness level



Expected outcomes

- Contribution to innovation capacity and integration of knowledge, strengthening the competitiveness and growth of companies,
- Safety, quality and purity of the (new) products proven to meet end market requirements in order to facilitate future market access,
- Contribution to environmental and socially important impacts.

