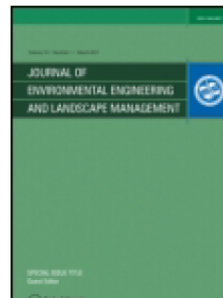




Bioremediation and other ecosystem services provided by algae

- Maintenance of culture collection of freshwater microalgae and cyanobacteria
- Laboratory experiments of microalgae use for remediation of various types of wastewater (nutrient removal)
- Testing single species vs. consortia of species
- Combined wastewater treatment for low-value products (lipids for biodiesel)



Journal of Environmental Engineering and Landscape Management

Publication details, including instructions for authors and subscription information:
<http://www.tandfonline.com/loi/teel20>

Testing of Chlorella/Scenedesmus microalgae consortia for remediation of wastewater, CO₂ mitigation and algae biomass feasibility for lipid production

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Microalgae grown in wastewater

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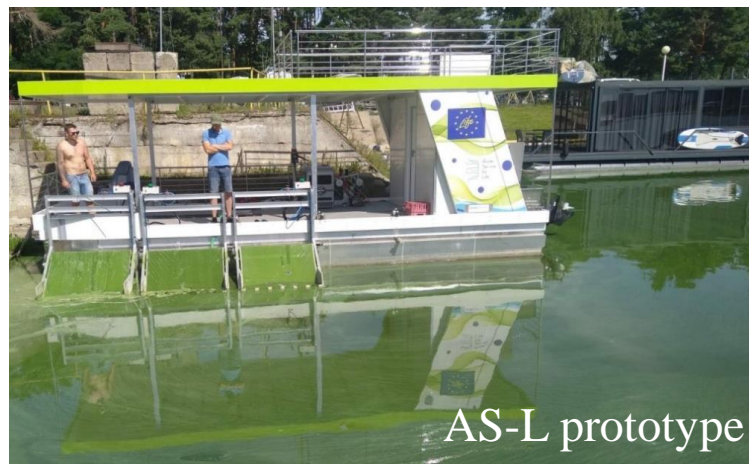


Coordinator:



LIFE17 ENV/
LT/000407

Algae - economy-based ecological service of aquatic ecosystems

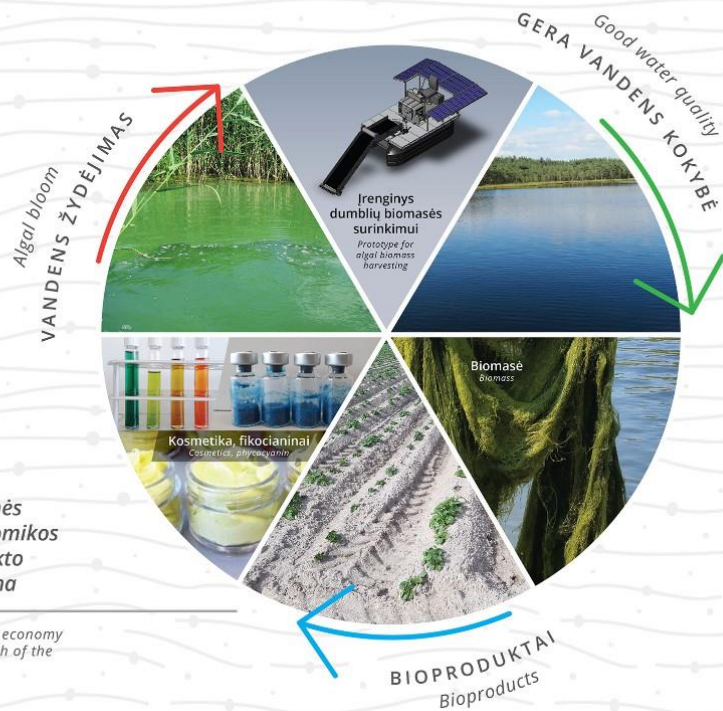


AS-L prototype



AS-S prototype

Construction and testing prototypes for harvesting of wild biomass of freshwater cyanobacteria and macroalgae (mitigation eutrophication – N and P removal)



Collected biomass of cyanobacteria (7.8 t) and macroalgae (38 t)



Biogas reactor
Energy recovery



Nutrient recovery

Algal biomass utilisation