

## Algae-LAB

### Laboratórium využitia rias pre produkciu biopalív

(Laboratory for the Utilization of Algae in the Production of Biofuels)

**Pracovisko:** Katedra environmentálneho inžinierstva  
Ústav bezpečnosti, environment a kvality  
Materiálovotechnologická fakulta STU so sídlom v Trnave

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**Miestnosť:** Ťažké laboratóriá č. m. 504a

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**Characterization:** Laboratory is focus on the study of utilization of different algae strains in the production of biofuels mostly biodiesel and bioethanol.

Cultivating algae strains in axenic conditions (obtained from SAG):

- *Botryococcus braunii* (SAG 30.81)
- *Chlorella sorokiniana* (SAG 211-32)
- *Chloroidium ellipsoideum* (SAG 2111)
- *Chromochloris zofingiensis* (211-14)
- *Chlorella vulgaris* (211-11b)
- *Acutodesmus obliquus* (276-1)



<http://www.uni-goettingen.de/en/184982.html>

Research we are interested in:

- Optimization of cultivation conditions
- Construction of new types of PBRs
- Utilization of magnetic nanocomposites in harvesting

