Zalán Tóth-Nyári

Nationality: Hungarian **Date of birth:** 15/08/2000 **Gender:** Male **Phone number:** (+36) 62599720

Email address: tothnyari.zalan@brc.hu **LinkedIn:** www.linkedin.com/in/zalan-toth-nyari

Work: Temesvári krt 62, 6726 Szeged (Hungary)

WORK EXPERIENCE

Management consultant
Biological Research Centre, Szeged, Institute of Plant Biology [01/02/2023 – Current]

City: Szeged
Country: Hungary
Business or sector: Professional, scientific and technical activities

- Management, acquisition, maintenance and calibration of laboratory and office equipment.
- Production and preparation of reagents required for research, assistance of experiments
- Aseptic work, preparation of microbial stocks and media, handling of microalgal cultures
- Handling communication with supply and maintenance partners

EDUCATION AND TRAINING

Biologist BSc
University of Szeged, Faculty of Science and Informatics [01/09/2019 – 01/07/2023]

City: Szeged
Country: Hungary
Website: https://sci.u-szeged.hu/english
Field(s) of study: Natural sciences, mathematics and statistics: *Biology*
Final grade: Good (4) – **Level in EQF:** EQF level 4
NQF Level: ISCED 354 **Number of credits:** 202
Thesis: Phenotyping of cyanobacteria and microalgae using noninvasive biophysical and physiological methods

- handling and examination of microalga cultures
- biomass and phenotype research
- photosynthetic pigment extraction
- non-invasive imaging and microscopy

LANGUAGE SKILLS

Mother tongue(s): **Hungarian**

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

RESEARCH POSTERS

Phenotyping of cyanobacteria and microalgae using noninvasive biophysical and physiological methods - Zalán Tóth-Nyári, Miklós Hovári, László Sass, Milán Szabó, Imre Vass

In our work, we examined the applicability of a compact hyperspectral phenotyping platform for spectroscopic analysis of the model microalga species Chlorella sorokiniana and Synechocystis sp. PCC6803. Our aim was to understand the correlation between the spectral reflectance profiles of these species and the quantity and composition of their photosynthetic pigments. To achieve this, we combined hyperspectral reflectance measurement with spectrophotometric pigment content determination, both in monocultures and in mixed cultures.

Link: https://straubnapok.brc.hu