# Curriculum Vitae

## PERSONAL INFORMATION

Mgr. Tomáš Grivalský, PhD.

České Budějovice (Czech Republic)

+420 384 340 474

grivalsky@alga.cz

Sex Male | Date of birth February 27, 1988 | Nationality Slovak

## CURRENT POSITION

Postdoc

## WORK EXPERIENCE

**2017–onwards** Postdoc
Laboratory of Algal Biotechnology, Centre Algatech, Institute of Microbiology, Czech Academy of Science, Třeboň, Czech Republic

**2016-2017** Research Scientist, Biological Center CAS, Institute of Soil Biology, České Budějovice, Czech republic

## EDUCATION AND TRAINING

**2012-2016** PhD in molecular biology
Faculty of Science, Comenius University in Bratislava, Slovak republic

**2010-2012** MSc in molecular biology
Faculty of Science Comenius, University in Bratislava, Slovak republic

**2007-2010** Bc in biology
Faculty of Science, Comenius University in Bratislava, Slovak republic

## PERSONAL SKILLS

Mother tongue(s): Slovak

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---|---|---|---|---|---|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | B2 | B1 | B1 | B1 | B1 |
| Czech | C1 | C1 | C1 | C1 | B1 |
| German | A2 | A1 | A2 | A2 | A1 |
| Polish | A1 | A2 | A2 | A2 | A2 |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

**Computer skills** MS Windows, MS Office

Biological Programs: GenBank Database BLAST, RAST annotation server, Chromas DNA sequencing software

## ADDITIONAL INFORMATION

Experience in microalgae cultivation, determination of their physiological status by chlorophyll fluorescence methods; experience during master and PhD study in analysing microbial communities by cultivation-dependent and cultivation-independent methods, identification of bacteria and characterization of their biodegradation properties, isolation of nucleic acids, hybridization methods, preparation of metagenomic and 16S rRNA gene libraries.

**Pedagogical experience**
Teaching Molecular biology methods during doctoral studies at Comenius University, Faculty of Natural Sciences in Bratislava (2012-2015).

**Gained professional experiences**
November 2015 - participation in the workshop - DNA microarrays and Next generation sequencing workshop: Basics of bioinformatic data processing, Institute of Molecular Biology SAS, Bratislava

**Research topics**
Cultivation regimes of microalgae; development of chlorophyll fluorescence monitoring; genetically modified microalgae

## LIST OF SELECTED PUBLICATION


1. Microbial communities responsible for the degradation of poly(lactic acid)/poly(3-hydroxybutyrate) blend mulches in soil burial respirometric tests. Jeszeová, L., Puškárová, A., Bučková, M., Kraková, L., Grivalský, T., Danko, M., Mosnáčková, K., Chmela, Š., Pangallo, D. (2018) *World Journal of Microbiology and Biotechnology* 34(7).
2. Aerobic biodegradation of aromatic aliphatic copolyester induced by bacteria obtained from different environments. Grivalský, T., Rychlý, J., Rychlá, L., Bučková, M., Kraková, L., Puškárová, A., Orovčík, Ľ., Pangallo, D. (2018) *Journal of Polymers and Environment*. 26(2).
3. Assessment of microbial diversity in Saudi springs by culture-dependent and culture-independent methods. Selim, S., Hassan, S., Hagagy, N., Kraková, L., Grivalský, T., Pangallo, D. (2016) *Geomicrobiology*. 34(5).
4. Investigation of bacterial and archaeal communities: Novel protocols using modern sequencing by Illumina MiSeq and traditional DGGE-cloning. Kraková, L., Šoltys, K., Budiš, J., Grivalský, T., Ďuriš, F., Pangallo, D., Szemes, T. (2016) *Extremophiles.* 20(5).
5. Water-related environments: A multistep procedure to assess the diversity and enzymatic properties of cultivable bacteria. Grivalský, T., Bučková, M., Puškárová, A., Kraková, L., Pangallo, D. (2016) *World Journal of Microbiology and Biotechnology*. 32(3).
6. Biodeterioration of epoxyresin: A microbial survey through culture-independent and culture-dependent approaches. Pangallo, D., Bučková, M., Kraková, L., Puškárová, A., Šaková, N., Grivalský, T., Chovanová, K., Zemánková, M. (2015) *Environmental Microbiology*. 17(2).
7. Improved method for high-efficiency electrotransformation of *Escherichia coli* with the large BAC plasmids. Nováková, J., Izsáková, A., Grivalský, T., Ottmann, C., Farkašovský, M. (2014) *Folia Microbiologica*. 59(1).