

BOGDAN DRUGĂ - LISTA DE LUCRĂRI

ARTICOLE IN REVISTE ISI

1. Briddon CL, Miclaus M, Hegedüs A, Nicoară M, Chiriac C, **Drugă B**, 2023. Long-term exposure to elevated temperature leads to altered gene expression in a common bloom-forming cyanobacterium. *Limnology and Oceanography*. 68 (12): 2645-2667.
2. **Drugă B**, Ramm E, Szekeres E, Chiriac C, Hegedus A, Stockenreiter M, 2023. Acclimation to various temperature and pCO₂ levels does not impact the competitive ability of two strains of *Skeletonema marinoi* in natural communities. *Frontiers in Marine Science*. 00: 1-14.
3. Briddon CL, Szekeres E, Hegedüs A, Nicoară M, Chiriac C, Stockenreiter M, **Drugă B**, 2022. The combined impact of low temperatures and shifting phosphorus availability on the competitive ability of cyanobacteria. *Scientific Reports*. 12:16409.
4. **Drugă B**, Ramm E, Szekeres E, Chiriac C, Hegedus A, Stockenreiter M, 2022. Long-term acclimation might enhance the growth and competitive ability of *Microcystis aeruginosa* in warm environments. *Freshwater Biology*. 00: 1-14.
5. **Drugă B**, Buda D-M, Szekeres E, Chiş C, Chiş I, Sicora C, 2019. The impact of cation concentration on *Microcystis* (cyanobacteria) scum formation. *Scientific Reports*.
6. **Drugă B**, Ukrainczyk N, Weise K, Koenders E, Lackner S, 2018. Interaction between wastewater microorganisms and geopolymer or cementitious materials: Biofilm characterization and deterioration characteristics of mortars. *International Biodeterioration and Biodegradation*, 134: 58-67.
7. **Drugă B**, Turko P, Spaak P, Pomati F, 2016. Cyanobacteria affect fitness and genetic structure of experimental *Daphnia* populations. *Environmental Science & Technology*, 50: 3416–3424.
8. Chis C, **Drugă B**, Carmel D, Chis I, Ardelean A, Sicora CI, 2016. UV-B stress changes the electron flow on photosystem II complex in *Synechococcus* sp. PCC 7002. *Romanian Biotechnological Letters*. 22: 12142-46.
9. Hegedus A, Mocan A, Barbu-Tudoran L, Coman C, **Drugă B**, Sicora C, Dragoş N, 2015. Morphological, biochemical, and phylogenetic assessments of eight *Botryococcus terribilis* strains collected from freshwaters of Transylvania. *Journal of Applied Phycology*, 27:865–878.
10. Szekeres E, Sicora C, Dragoş N, **Drugă B**, 2014. Selection of proper reference genes for the cyanobacterium *Synechococcus* PCC 7002 using real-time quantitative PCR. *FEMS Microbiology Letters*, 359: 102-109.

11. **Drugă B**, Welker M, Sesărman A, Hegedus A, Coman C, Sicora C, Dragoș N, 2013. Molecular characterization of microcystin-producing cyanobacteria from Romanian fresh waters. *European Journal of Phycology*, 48: 287-294.
12. Coman C, **Drugă B**, Hegedus A, Sicora C, Dragoș N., 2013. Archaeal and bacterial diversity in two hot spring microbial mats from a geothermal region in Romania. *Extremophiles*, 17: 523-534.
13. Miu AC, Crișan LG, Chiș A, Ungureanu L, **Drugă B**, Vulturar R., 2011. Somatic markers mediate the effect of serotonin transporter gene polymorphisms on Iowa Gambling Task. *Genes Brain Behav*, 11: 398-403.
14. **Drugă B**, Șuteu D, Roșca-Casian O, Pârvu M, Dragoș N, 2011. Two Novel Alliin Lyase (Alliinase) Genes from Twisted-Leaf Garlic (*Allium obliquum*) and Mountain Garlic (*Allium senescens* ssp. *montanum*). *Not Bot Horti Agrobi*, 39: 293-298.
15. Coman C, Bica A, **Drugă B**, Barbu-Tudoran L, Dragoș N, 2011. Methodological constraints in the molecular biodiversity study of a thermomineral spring. *Anton Leeuw Int J*, 99: 271-281.
16. Crișan LG, Pana S, Vulturar R, Heilman RM, Szekely R, **Drugă B**, Dragoș N, Miu AC, 2009. Genetic contributions of the serotonin transporter to social learning of fear and economic decision making, *Soc Cogn Affect Neurosci*, 4: 399-408.

1. Szekeres E, Bercea V, Dragoş N, **Drugă B**, 2014. Effects of microaerobiosis on photosynthesis in the cyanobacterium *Synechococcus* sp. PCC 7002. *Studia Univ Babes - Bolyai Biol*, 59: 21-30.
2. Mituleţu M, Bercea V, **Drugă B**, Coman C and Sicora CI, 2013. Influence of different light intensities on the photochemistry of PS II in the cyanobacterium *Gloeocapsa* sp. AICB 1013. *Ann Rom Soc Cell Biol*, 18: 34-46.
3. Mituleţu M, Bercea V, Coman C, **Drugă B** and Sicora CI, 2013. Induction of photosynthetical state transitions in the cyanobacterium *Microcystis aeruginosa* AICB 702. *Ann Rom Soc Cell Biol*, 18: 58-68.
4. Mituleţu, M., **Drugă, B.**, Hegedűs, A., Coman, C., Dragoş, N., 2013. Phylogenetic analysis of *Microcystis* strains (Cyanobacteria) based on the 16S-23S its and cpcBA-IGS markers, *Ann Rom Soc Cell Biol*, 18: 22-33.
5. Bica A, Barbu-Tudoran L, **Drugă B**, Coman C, Nicoară A, Szöke-Nagy T, Dragoş N, 2012. *Desmodesmus communis* (Chlorophyta) from Romanian freshwaters: coenobial morphology and molecular taxonomy based on the ITS2 of new isolates, *Ann Rom Soc Cell Biol*, 17: 16-28.
6. Dragoş N, Bercea V, Bica A, **Drugă B**, Nicoară A, Coman C, 2010. Astaxanthin production from a new strain of *Haematococcus pluvialis* grown in batch culture, *Ann Rom Soc Cell Biol*, 15: 353-361.
7. Dragoş N, Mocan A, Sălăjean C, Nicoară A, Bica A, **Drugă B**, Coman C, Bercea V. 2010. The effects of temperature on growth and lipid fatty acids composition in cyanobacterium *Synechocystis* sp. strain AICB 51. *Stud Univ Babeş-Bolyai, Biologia*, LV:51-59.
8. **Drugă B.**, Bica Adriana, Coman C., Nicoară A., Dragoş N., 2009. New primer combination for sequencing the cyanobacterial 16S rRNA gene, *Ann Rom Soc Cell Biol*, 14: 33-38.
9. Bercea V, **Drugă B**, Vasilescu C, Dragoş N, 2007. The relation between the water-water cycle and the state transitions in the green alga *Mougeotia*, strain AICB 560, *Contrib Bot*, 42: 87-98.
10. Bercea V, **Drugă B**, Vasilescu C, Dragoş N, 2007. The kinetics of plastoquinone re-oxidation in darkness in the chloroplasts isolated from the green alga *Mougeotia* sp., strain AICB 560, *Studia Univ. Babes - Bolyai Biol*, 52: 7-14.

CAPITOLE DE CARTE

Coman C, Bica A, **Drugă B**, Barbu-Tudoran L, Dragoș N, 2012. A microbial mat developed around a man-made geothermal spring from Romania: structure and cyanobacterial composition, in: Noffke, N., Chafetz, H., (Eds.), Microbial mats in siliciclastic depositional systems through time. SEPM (Society for Sedimentary Geology) special publication 101, pp. 47–53.

Dr. Bogdan Drugă

26.03.2026