

## Projekta Izp-2018/1-0232 rezultāti

Integrēta CO<sub>2</sub> biofiltra un mikroaljū biomasa ražošanas tehnoloģija biogāzes stacijām, izmantojot inovatīvu Saliktu Modulāru Atvērtu Riņķplūsmas Baseinu pieeju (SMARB)

*Oriģināli zinātniskie raksti, kas publicēti zinātniskos žurnālos, rakstu krājumos vai konferenču rakstu krājumos, kuri ir indeksēti datu bāzēs Web of Science Core Collection, SCOPUS vai ERIH PLUS*

1. Ievina, B.; Romagnoli, F. Effect of light intensity on the growth of three microalgae in laboratory batch cultures. - 28th European Biomass Conference and Exhibition, e-EUBCE, 2020, 2020; 169-174. <http://doi.org/www.etaflorence.it/proceedings/?detail=18104>
2. Ievina, B.; Mantovani, M.; Marazzi, F.; Mezzanotte, V.; Romagnoli, F. Application of activated carbon treated agricultural digestate for microalgae cultivation. - 29th European Biomass Conference and Exhibition, EUBCE, 2021, 124-131. <http://doi.org/www.etaflorence.it/proceedings/?detail=18576>
3. Ievina, B.; Romagnoli, F. Potential of chlorella species as feedstock for bioenergy production: A review. - Environ. Clim. Technol., 2020, 24 (2), 203-220, <https://doi.org/10.2478/rtuect-2020-0067>
4. Pastare, L.; Romagnoli, F. Life Cycle Cost Analysis of Biogas Production from Ceratophyllum demersum, Fucus vesiculosus and Ulva intestinalis in Latvian Conditions. - Environ. Clim. Technol., 2019, 23 (2), 258-271, <https://doi.org/2478/rtuect-2019-0067>
5. Romagnoli, F.; Ievina, B.; Perera, W. A. A. R. P.; Ferrari, D. Novel stacked modular open raceway ponds for microalgae biomass cultivation in biogas plants: Preliminary design and modelling. - Environ. Clim. Technol., 2020, 24 (2), 1-19, <https://doi.org/10.2478/rtuect-2020-0050>
6. Romagnoli, F.; Thedy, A.; Ievina, B.; Feofilovs, M. Life Cycle Assessment of an Innovative Microalgae Cultivation System in the Baltic Region: Results from SMORP Project. - Environ. Clim. Technol., 2023, 27 (1), 117-136, <https://doi.org/10.2478/rtuect-2023-0010>.
7. Romagnoli, F.; Weerasuriya-Arachchige, A.; Paoli, R.; Feofilovs, M.; Ievina, B. Growth Kinetic Model for Microalgae Cultivation in Open Raceway Ponds: A System Dynamics Tool. - Environ. Clim. Technol., 2021, 25 (1), 1317-1336, <https://doi.org/10.2478/rtuect-2021-0100>
8. Ievina, B.; Romagnoli, F. Microalga Chlorella vulgaris 211/11j as a promising strain for low temperature climate. - Appl. Phycol., 2024, <https://doi.org/10.1007/s10811-024-03192-3>



*Reģistrēts intelektuālais īpašums*

1. Romagnoli, F.; Dzikēvičs, M.; Ieviņa, B. Atvērta tipa modulāra mikroalģu kultivēšanas baseinu sistēma, 2023, patents LV15742