

Lista de lucrări

1. **Vlaicu A.**, Calinescu I., Posea C., Chipurici P., 2021, A study on methyl and ethyl esters production - from seed preparation to product purification, *U.P.B. Sci. Bull., Series B*, Vol. 83, Iss. 2, 2021; FI=0.53
2. Diacon A., Călinescu I., Vinatoru M., Chipurici P., **Vlaicu A.**, Boscornea A.C., Mason T.J., Fatty Acid Ethyl Esters (FAEE): A New, Green and Renewable Solvent for the Extraction of Carotenoids from Tomato Waste Products, *Molecules*, Vol. 26, Iss. 14, 2021, 4388; FI 2020 = 4.411
3. Chipurici P., **Vlaicu A.**, Călinescu I., Vîțătoru M., Busuioc C., Dinescu A., Ghebaur A., Rusen E., Voicu G., Ignat M., Diacon A., Magnetic silica particles functionalized with guanidine derivatives for microwave-assisted transesterification of waste oil, *Scientific Reports*, Vol. 11, 2021, FI 2020 = 4.379
4. Chipurici P., **Vlaicu A.**, Calinescu I., Vinatoru M., Vasilescu M., Ignat N.D., Mason T.J., 2019, Ultrasonic, hydrodynamic and microwave biodiesel synthesis – A comparative study for continuous process, *Ultrasonics Sonochemistry*, Vol. 57, 38-47. FI=6.5
5. Constantinescu-Aruxandei D., **Vlaicu A.**, Marinaș I.C., Vintila A., Dimitriu L., Oancea F., 2019, Effect of betaine and selenium on the growth and photosynthetic pigment production in *Dunaliella salina* as biostimulants, *FEMS Microbiology Letters*, 366. FI=1.98
6. Calinescu I., **Vlaicu A.**, Chipurici P., Ighigeanu D., Lavric V., 2018, Alcoholic fermentation in the presence of microwaves, *Chemical Engineering and Processing - Process Intensification*, Vol. 126, 16 – 22; FI=2.83
7. Chipurici P., **Vlaicu A.**, Raducanu C.R., Bran S.D., Gavrila A.I., 2018, Biodiesel production from waste oil and its blends with glycerol ketals, *Revista de Chimie*, Vol. 69 (7), 1881-1885; FI=1.38
8. Bran S.D., Chipurici P., Bran M., **Vlaicu A.**, 2018, Renewable energy from agricultural waste, *Revista de Chimie*, Vol. 69(6), 1363-1366; FI=1.38

Participări manifestări științifice

1. **5th Green and Sustainable Chemistry Conference 2020**, Dresda, Germania - Chipurici P., **Vlaicu A.**, Calinescu I., Vinatoru M., Ignat N., Voicu G., Diacon A.,

Heterogeneous catalyst activation and process intensification of biodiesel synthesis using ultrasound

2. **5th Green and Sustainable Chemistry Conference 2020**, Dresda, Germania - **Vlaicu A.**, Diacon A., Rusen E., Busuioc C., Chipurici P., Ignat N., Calinescu I., Vinatoru M., Biodiesel synthesis through heterogeneous catalysis using organic bases supported on magnetic silica nanoparticles
3. **4th International Caparica Conference on Ultrasonic-based Applications: from analysis to synthesis 2020**, Costa de Caparica, Portugalia - Calinescu I., Vinatoru M., Chipurici P., **Vlaicu A.**, Ignat N., Mason T., Ultrasonic, hydrodynamic and microwave biodiesel synthesis – A comparative study for continuous process
4. **Chemistry Conference for Young Scientists - ChemCYS 2020**, Blankenberge, Belgia - **Vlaicu A.**, Chipurici P., Calinescu I., Diacon A., Vintila A., Vinatoru M., Study on the effects of microwave and/or ultrasound during the pretreatment with DMP of wet *Nannochloris sp.* biomass
5. **International Chemical Engineering & Catalysis Conference 2019**, Londra, Marea Britanie - Chipurici P., Diacon A., **Vlaicu A.**, Calinescu I., Vinatoru M., Intensification of Biodiesel Synthesis through Ultrasound Assisted Heterogeneous Catalyzed Transesterification
6. **21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2019**, Constanta-Mamaia, Romania - Chipurici P., Diacon A., Calinescu I., Vinatoru M., Trifan A., **Vlaicu A.**, Optimization of Ultrasound - Assisted Extraction (UAE) of Lycopene from Tomato Skins
7. **21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2019**, Constanta-Mamaia, Romania - **Vlaicu A.**, Chipurici P., Trifan A., Calinescu I., Vinatoru M., Vintila A., Diacon A., Optimization of ultrasound - assisted extraction (UAE) of biocomponents from microalgal biomass
8. **21st Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2019**, Constanta-Mamaia, Romania - Diacon A., **Vlaicu A.**, Boscornea C., Calinescu I., Vinatoru M., Chipurici P., Conventional and Ultrasound Assisted Extraction (UAE) of Lycopene from Siriana F1 hybrid and Pontica 102 Tomatoes

9. **4th Asia-Oceania Sonochemical Society Conference 2019**, Nanjing, China - Calinescu I., Vinatoru M., **Vlaicu A.**, Chipurici P., Trifan A., Ultrasonic and hydrodynamic biodiesel synthesis-energetic considerations for continuous reactor
10. **4th Green and Sustainable Chemistry Conference 2019**, Dresda, Germania - **Vlaicu A.**, Chipurici P., Vintila A., Calinescu I., Vinatoru M., Trifan A., Diacon A., Effects of processing parameters on ultrasound-assisted carotenoids and chlorophyll extraction from *Nannochloris sp.* and *Arthrospira platensis* dry biomass determined by factorial experiment design
11. **2nd Young Researchers International Conference on Chemistry and Chemical Engineering (YRICCCE II) 2018**, Budapest, Hungary - **Vlaicu A.**, Calinescu I., Chipurici P., Vinatoru M., A comparative study of hydrocavitation and ultrasound assisted biodiesel production
12. **The international symposium "Priorities of Chemistry for a Sustainable Development - PRIOCHEM" 2018**, Bucharest, Romania - **Vlaicu A.**, Chipurici P., Calinescu I., Effects of microwave exposure on cell viability of *Saccharomyces cerevisiae* during glucose fermentation
13. **16th Meeting of the European Society of Sonochemistry 2018**, Besancon, France - Calinescu I., Vinatoru M., Chipurici P., **Vlaicu A.**, Biodiesel Synthesis Assisted by Ultrasound, Microwave and Hydrodynamic Cavitation – A Comparative Study
14. **20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2017**, Poiana Brasov, Romania - **Vlaicu A.**, Chipurici P., Lavric V., Ighigeanu D., Calinescu I., Unconventional methods for enhancing the fermentation process
15. **20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2017**, Poiana Brasov, Romania - **Vlaicu A.**, Chipurici P., Calinescu I., Vasilescu M., Hydrodynamic cavitation – equipment and uses
16. **20th Romanian International Conference on Chemistry and Chemical Engineering (RICCCE) 2017**, Poiana Brasov, Romania - Lavric V., Calinescu I., **Vlaicu A.**, Chipurici P., Modeling microwave heating in a multimod applicator – Consol approach
17. **16th International Conference on Microwave and High Frequency Heating AMPERE 2017**, Delft, The Netherlands - Calinescu I., **Vlaicu A.**, Chipurici P., Lavric V., Ighigeanu D., Alcoholic fermentation in the presence of microwaves

