LISTĂ LUCRĂRI PUBLICATE

Lector univ. dr. MATICA Mariana – Adina

Teză de doctorat: *Proprietățile antimicrobiene ale unor biomateriale pe bază de chitosan*
Conducător teză: Prof. Dr. Vasile OSTAFE

ARTICOLE PUBLICATE ÎN REVISTE INDEXATE WEB OF SCIENCE (WoS)

1. Roman, D.-L.; **Matica, M.A.**; Boros, B.-V.; Vulpe, C.-B.; Isvoran, A. Evaluation of the Impact of Flutriafol on Soil Culturable Microorganisms and on Soil Enzymes Activity. Agriculture **2024**, 14, 1445.
2. Vulpe, C. B.; Boros, B. V., **Matica, M.A.**; Menghiu, G., Roman, D. L., Dascalu, D.; Kovačević, R.; Ostafe, V., Hydrochemical and Ecotoxicological Characterisation of Water Samples from Moldova Noua Area, Romania, Eco. Chem. Eng. S., vol.30, no.3, **2023**, pp.357-372.
3. Roman, D. L., **Matica, M.A.**; Ciorsac, A:, Boros, B. V., Isvoran, A., Effects of the fungicide myclobutanil on the soil enzymes activity, Agriculture, **2023**, 13(10), 1956
4. Vulpe, C.B.; **Matica, M.A.**; Kovačević, R.; Dascalu, D.; Stevanovic, Z.; Isvoran, A.; Ostafe, V.; Menghiu, G. Copper Accumulation Efficiency in Different Recombinant Microorganism Strains Available for Bioremediation of Heavy Metal-Polluted Waters. Int. J. Mol. Sci. **2023**, 24, 7575.
5. **Matica, M. A.**, Roman, D. L., Ostafe, V., Isvoran, A., Deeper inside the use of chitooligosaccharides in wound healing process. A computational approach, J. Serb. Chem. Soc., **2023**, 88 (3) 251–265
6. Roman, D. L., Voiculescu, D.I., **Matica, M. A.**, Baerle, V., Filimon, M. N., Ostafe, V., Isvoran, A, Assessment of the Effects of Triticonazole on Soil and Human Health, Molecules, **2022**, 27(19), 6554
7. **Matica, M., A**., Aachmann, F., L., Tøndervik, A., Sletta, H., Ostafe, V., Preparation, physico-chemical characterization and antibacterial properties of chitosan and chitosan–nisin membranes, Studia UBB Chemia, **2022**, LXVII(1)
8. **Matica, M., A.**, Aachmann, F., L., Tøndervik, A., Sletta, H., Ostafe, V., Chitosan as a Wound Dressing Starting Material: Antimicrobial Properties and Mode of Action, Int. J. Mol. Sci. 2019, 20(23)

ARTICOLE PUBLICATE ÎN REVISTE INDEXATE BDI

9. Căbuța, M., Carabă, M.N., **Matica, M. A.**, Boroș, B.V., Carabă, I.V., Dumitrescu, G., Popescu, R., In vitro cytotoxic effect of Boswellia sp. essential oil, Annals of West University of Timişoara, ser. Biology, 2022, 25(2) pp.153-164
10. **Matica, M., A.**., Menghiu, G., Ostafe, V., Biodegradability of Chitosan Based Products, New. Front. Chem. 2017, 26(1):75-86.
11. **Matica, M., A.**, Menghiu, G., Ostafe, V., Toxicity of Chitosan Based Products, New. Front. Chem. 2017, 26(1):65-74.
12. **Matica, M., A**., Menghiu, G., Ostafe, V., Antifungal Properties of Chitosans, New. Front. Chem. 2017, 26(1): 55-63.
13. **Matica, M., A.**, Menghiu, G., Ostafe, V., Antibacterial Properties of Chitosans, New. Front. Chem. 2017, 26(1): 39-54.

14. Boroş, B. V., Menghiu, G., **Matica, M. A.**, Ostafe, V., Use of Ninhydrin Reaction for Estimation of Acetylation Degree of Chitosan, New. Front. Chem. 2016, 25(2):95-105.

15. Vulpe, B., Menghiu, G., **Matica, M. A**., Ostafe, V., Estimation of the Molecular Weight of Chitosan by PAGE, New Front. Chem. 2016, 25(2):135-143.

16. Zbîrcea, R. I., Menghiu, G., **Matica, M.**, A., Ostafe, V., Use of 3,5-Dinitrosalicylic Acid Reaction to Study the Chitosan Hydrolysis, New Front. Chem. 2016, 25(2):145-153.

17. Ianovici, N., Ciocan, G.V., **Matica, M. A.**, Scurtu, M., Şesan, T.E., Study on the infestation by Cameraria ohridella on Aesculus hippocastanum foliage from Timişoara, Romania, Annals of West University of Timişoara, ser. Biology, XV (1): 67-80.

18. Ianovici, N, **Matica, M. A.**, Scurtu, M., Contribution to the knowledge of leaf galls from Western Romania, Annals of West University of Timişoara, ser. Biology, 13: 135-144.

16.02.2025 **MATICA Mariana – Adina**