

## LISTA COMPLETĂ DE LUCRĂRI

### Articole ISI ca prim autor

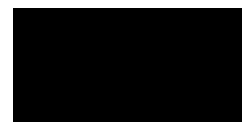
1. Matica, M. A., Aachmann, F. L., Tøndervik, A., Sletta, H., Ostafe, V., *Chitosan as Wound Dressing Starting Material: Antimicrobial Properties and Mode of Action*, Int. J. Mol. Sci. 2019, 20(23), 5889; <https://doi.org/10.3390/ijms20235889>
2. Matica, M. A., Aachmann, F. L., Tøndervik, A., Sletta, H., Ostafe, V., *Preparation, Physico-Chemical Characterization and Antibacterial Properties of Chitosan and Chitosan–Nisin Membranes*, Studia UBB Chemia, 2022, LXVII(1) <https://doi.org/10.24193/subbchem.2022.1.14>
3. 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, Volume 88, Issue 3, Pages: 251-265 <https://doi.org/10.2298/JSC220702081M>
4. Roman, D. L.<sup>†</sup>, Matica, M. A.<sup>†</sup>, Ciorsac, A., Boros, B. V., Isvoran, A., *The Effects of the Fungicide Myclobutanil on Soil Enzyme Activity*, Agriculture 2023, 13(10), 1956 <https://doi.org/10.3390/agriculture13101956>

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5. Roman, D. L., Voiculescu, D.I., Matica, M. A., Baerle, V., Filimon, M. N., Ostafe, V., Isvoran, A., *Assessment of the Effects of Triconazole on Soil and Human Health*, Molecules, 2022, 27(19), 6554, <https://doi.org/10.3390/molecules27196554>
6. Vulpe, C. B., Matica, M. A., Kovacevic, 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., 24(8), 7575, 2023, <https://doi.org/10.3390/ijms24087575>
7. Vulpe, C. B.; Boros, B. V., Matica, M. A., Menghiu, G., Roman, D. L., Dascalu, D. Kovacevic, R., Ostafe, V., *Hydrochemical and Ecotoxicological Characterisation of Water Samples from Moldova Noua Area, Romania*, Ecol Chem Eng S. 2023;30(3): 357-372 <https://doi.org/10.2478/eces-2023-0038>

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1. **Matica, M., A.**, Menghiu, G., Ostafe, V., *Biodegradability of Chitosan Based Products*, New. Front. Chem. 2017, 26(1):75-86.
2. **Matica, M., A.**, Menghiu, G., Ostafe, V., *Toxicity of Chitosan Based Products*, New. Front. Chem. 2017, 26(1):65-74.
3. **Matica, M., A.**, Menghiu, G., Ostafe, V., *Antifungal Properties of Chitosans*, New. Front. Chem. 2017, 26(1): 55-63.



4. **Matica, M., A.**, Menghiu, G., Ostafe, V., Antibacterial Properties of Chitosans, New. Front. Chem. 2017, 26(1): 39-54.

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6. Boroș, 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.
7. 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.
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9. Ianovici, N., Ciocan, G.V., **Matica, M. A.**, Scurtu, M., Șesan, T.E., Study on the infestation by Cameraria ohridella on Aesculus hippocastanum foliage from Timișoara, Romania, Annals of West University of Timișoara, ser. Biology, XV (1): 67-80.
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**Teză de doctorat**

Domeniul: Chimie

Titlu: Proprietățile antimicrobiene ale unor biomateriale pe bază de chitosan

Conducător teză: Prof. Dr. Vasile OSTAFE

Obținere titlu de doctor: OM 5688/25.08.2023

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Asistent cercetare dr. MATICA Mariana – Adina

