

Vlad-Oros Beatrice Annamaria. Lista de lucrări

I) Lucrări științifice publicate în reviste din fluxul științific internațional principal

1. Dragomirescu, M., **Oros, B.**, Preda, G., Peter, F., Influenta parametrilor de mediu asupra alcalazei imobilizate prin legare fizica si entrapare in gel de silice obtinut prin tehnica sol-gel, *Revista de Chimie*, **2006**, 57(6), 610 - 614.
2. **Vlad-Oros, B.**, Dragomirescu, M., Preda, G., Peter, F., Chiriac, A., Characterization of silica-based biomaterials containing microbial amylases, *Revue Roumaine de Chimie*, **2007**, 52(11), 1083 - 1087.
3. Dudas, Z., **Oros, B.**, Preda, G., Dragomirescu, M., Halasz, J., Chiriac, A., Comparison between different hybrid organic/inorganic bioceramics containing microbial hydrolases, synthesized via the sol-gel process, *Journal of Biotechnology*, **2007**, 131(2S), S111 - S112.
4. Dragomirescu, M., Vintila, T., Dudas, Z., **Vlad-Oros, B.**, Preda, G., Biocatalysts entrapped in silica gels, *Journal of Biotechnology*, **2007**, 131(2S), S112.
5. **Vlad-Oros, B.**, Dudas, Z., Preda, G., Dragomirescu, M., Chiriac, A., Synthesis and properties of different sol-gel matrices containing bacterial alpha-amylase, *Revista de Chimie*, **2009**, 60(8), 794-796.
6. **Vlad-Oros, B.**, Bizerea-Spiridon, O., Preda, G., Chiriac, A., Studies regarding the influence of the enzyme immobilization methods on the electrodic surface upon the performances of the glucose biosensor, *Revista de Chimie*, **2009**, 60(7), 693-698.
7. Bizerea Spiridon, O., Preda, G., **Vlad-Oros, B.**, Vintila, M., Dragomirescu, M., Studies on glucose assay in real samples using glucose oxidase biosensors with different membrane supports, *Journal of Biotechnology*, **2010**, 150, Supplement, 206.
8. Dragomirescu, M., Preda, G., Vintila, T., **Vlad-Oros, B.**, Bordean, D., Savii, C., The effect of immobilization on activity and stability of a protease preparation obtained by an indigenous strain, *Bacillus licheniformis* B 40, *Revue Roumaine de Chimie*, **2012**, 57(2), 77 – 84.
9. Negrulescu A., Patrulea V., Mincea M. M., Ionascu C., **Vlad-Oros B. A.**, Ostafe V., Adapting the Reducing Sugars Method with Dinitrosalicylic Acid to Microtiter Plates and Microwave Heating, *J. Braz. Chem. Soc.*, **2012**, 23(12), 2176-2182,.
10. Craciun D., **Vlad-Oros B.**, Ostafe V., Isvoran A., A computational approach of structural properties of GH4 enzymes family from bacteria, *Acta Biochimica Polonica*, **2013**, 60(4), 553–564.
11. **Vlad-Oros B.**, Dascalu D., Dudas Z., Popovici H., Preda G., Ostafe V., Equilibrium and kinetics studies regarding the adsorption of copper(II) ions by various types of chitosan beads, *Digest Journal of Nanomaterials and Biostructures*, **2013**, 8(3), 917 – 927.

Reviste categoria B+ CNCSIS/BDI

12. **Vlad-Oros, B.**, Dragomirescu, M., Stan, I., Preda, G., Halasz, J., Chiriac, A., Immobilization of bacterial alpha-amylase in/on inorganic supports, *Annals of West University of Timisoara, Ser. Chemistry*, **2006**, 15(2), 221 - 226.

13. **Vlad-Oros, B.**, Oniga, O., Dudas, Z., Dragomirescu, M., Preda, G., Chiriac, A., Performance of immobilized bacterial alpha-amylase in methyltriethoxysilane/tetraethoxysilane sol-gel matrices, *Annals of West University of Timisoara, Ser.Chemistry*, **2007**, 16(2), 261 - 266.
14. Dudas, Z., **Vlad-Oros, B.**, Preda, G., Chiriac, A., Preliminary study for using vinyltriacetoxysilane as precursor in enzyme immobilization based on sol-gel method, *Annals of West University of Timisoara, Ser.Chemistry*, **2007**, 16(2), 175 - 180.
15. **Vlad-Oros, B.**, Dragomirescu, M., Preda, G., Chiriac, A., Preparation and characterization of microbial glucoamylase immobilized in methyltriethoxysilane/tetraethoxysilane sol-gel matrices, *Lucrari stiintifice Zootehnie si Biotehnologii*, **2007**, 40(1), 246 - 251.
16. Dragomirescu M., Vintila T., **Vlad-Oros B.**, Preda G., The kinetics of the reactions catalyzed by an enzymatic preparation produced by a *Bacillus licheniformis* strain, *Lucrări științifice Zootehnie și Biotehnologii*, **2007**, 40 (1), 85 – 90.
17. Bizerea-Spiridon, O., Preda, G., **Vlad-Oros, B.**, Vintilă, M., The optimal composition of a PVA membrane used as support for a glucose biosensor based on Gox, *Annals of West University of Timisoara, Ser.Chemistry*, **2010**, 19(1), 97 - 104.
18. Bizerea-Spiridon, O., Preda, G., **Vlad-Oros, B.**, Vintilă, M., Studies regarding the membranous support of a glucose biosensor based on GOx, *Lucrari stiintifice Zootehnie si Biotehnologii (Scientific Papers: Animal Science and Biotechnologies)*, **2010**, 43(1), 354 - 357.
19. Bizerea Spiridon, O., Pitulice, L., Dascălu, D., **Vlad-Oros, B.**, Ionel, R., Ostafe, V., Todorovic, L., Copper removal from waste water by adsorption on biozheolith, *Annals of West University of Timisoara, Ser.Chemistry*, **2011**, 20(4), 45 - 58.
20. Bizerea Spiridon, O., Dascălu, D., Pitulice, L., **Vlad-Oros, B.**, Ionel, R., Milosevic, N., Gardic, V., Influence of biomass hydration on the adsorption of copper from mine wastewater on spirulina, *Annals of West University of Timisoara, Ser.Chemistry*, **2011**, 20(4), 67 - 80.

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21. **Vlad-Oros, B.**, Dragomirescu, M., Preda, G., Savii, C., Chiriac, A., Bioorganically doped sol-gel materials containing amyloglucosidase activity, *Acta Periodica Technologica*, **2006**, 37, 179 - 186.
(<http://www.doiserbia.nb.rs/img/doi/1450-7188/2006/1450-71880637179V.pdf>
UDC 663.15:577.151.3:661.182)
22. **Vlad-Oros, B.**, Preda, G., Dudas, Z., Dragomirescu, M., Chiriac, A., Entrapment of glucoamylase by sol-gel technique in PhTES/TEOS hybrid matrixes, *Processing and Application of Ceramics*, **2007**, 1(1-2), 63 - 67.
(<http://www.tf.uns.ac.rs/publikacije/PAC/pdf/11%20PAC%2001.pdf>)

II) Cărți

1. Putz, M.V., Putz, A.M., Chiriac, A., **Vlad-Oros, B.**, "Elemente de cinetică chimică omogenă, enzimatică clasică și logistică", Editura Mirton, Timișoara (2008), pag. 300, ISBN: 978-973-52-0469-3

III) Capitole de cărți

1. Preda, G., Bizerea Spiridon, O., **Vlad-Oros, B.**, „Sol-gel technology in enzymatic electrochemical biosensors for clinical analysis” in *Biosensors for Health, Environment and Biosecurity* (Serra, P.A. (ed.)), cap. 17, p. 363-388, InTech, Rijeka, Croatia (2011), ISBN 978-953-307-443-6.