

Domeniul BIOLOGIE

Articole în reviste cotate ISI – 2011

1. BESWICK V., ISVORAN A., NEDELLEC P., SANSON A., JAMIN N. 2011. Membrane Interface Composition Drives the Structure and the Tilt of the Single Transmembrane Helix Protein PMP1: MD Studies, *Biophysical Journal* 100 (7) 1660-1667
2. CIORSAC A., CRACIUN D., OSTAFE V., ISVORAN A. 2011. Nonlinear correlations in the hydrophobicity and average flexibility along the glycolytic enzymes sequences, *Chaos Solitons & Fractals*, 44 (4-5): 191-197
3. CIORSAC A., CRACIUN D., OSTAFE V., ISVORAN A. 2011. A bioinformatics characterization of the human glycogen phosphorylase surface binding regions, *Romanian Biotechnological Letters*, 16(5) 6473-6480
4. CRACIUN D., ISVORAN A., AVRAM N.M. 2011. Analysis of long range correlation of hydrophilicity and flexibility along hydrolases proteins chains, *Romanian Journal of Physics*, 56 (1-2) 185-194
5. FILIMON MN, BOROZAN AB, BORDEAN D-M, POPESCU R, GOTIA SR, VERDES D, SINITEAN A. 2011. Sulphonylureic herbicidal risk in the detection of soil fungi communities, *African Journal of Microbiology Research*, 5(30): 5507-5511
6. ISVORAN A., BADEL A., CRAESCU C.T., MIRON S., MITEVA M. 2011. Exploring NMR ensembles of calcium binding proteins: Perspectives to design inhibitors of protein-protein interactions, *BMC Structural Biology* 11 Article Number: 24
7. PÂRVULESCU L, PACIOGLU O, HAMCHEVICI C. 2011. The assessment of the habitat and water quality requirements of the stone crayfish (*Austropotamobius torrentium*) and noble crayfish (*Astacus astacus*) species in the rivers from the Anina Mountains (SW Romania). *Knowledge and Management of Aquatic Ecosystems* 401, 03
8. SCHRIMPF A, SCHULZ HK, THEISSINGER K, PÂRVULESCU L, SCHULZ R. 2011. The first large-scale genetic analysis of the vulnerable noble crayfish *Astacus astacus* reveals low haplotype diversity of Central European populations. *Knowledge and Management of Aquatic Ecosystems* 401, 35
9. VILASECA E., ISVORAN A., MADURGA S., PASTOR I., GARCES JL, MAS F. 2011. New insights into diffusion in 3D crowded media by Monte Carlo simulations: effect of size, mobility and spatial distribution of obstacles, *Physical Chemistry Chemical Physics*, 13(16) 7396-7407
10. VILASECA E., PASTOR I., ISVORAN A., MADURGA S., GARCES JL, MAS F. 2011. Diffusion in macromolecular crowded media: Monte Carlo simulation of obstructed diffusion vs. FRAP experiments, *Theoretical Chemistry Accounts*, 128(4-6), 795-805

Articole în reviste indexate BDI/ISI Proceeding – 2011

1. AMZA M.C., PETROVICI M., GHEOCA V. 2011. Preliminary study of the terrestrial gastropods diversity (Gastropoda: Stylomatophora) from Cefa Nature Park (NW of Romania). *AES Bioflux* 3(1), ISSN 2066-7620, pp: 17-22.
2. BERCHI G.M., PETROVICI M., ILIE D.M. 2011. Aquatic and semiaquatic true bugs (Heteroptera: Nepomorpha) of Cefa Nature Park (North-Western Romania). *Analele Universității din Oradea, Fascicula Biologie* 18(1), ISSN 1224-5119, pp: 29-33.

3. BERNAD E., ANASTASIU D., ILINA R., **HUTANU D.**, VIRJAN M., BRISAN C. 2011. Changes of the vaginal biocenosis in cervical dysplasic lesions, Timisoara Medical Journal, 61(1-2): 54-58.
4. BORDEAN DM, BARASCU M, BOROZAN BREICA A, ALDA L, **FILIMON MN**, POPESCU R, PIRVULESCU L, GERGEN I, ALDA S. 2011. Studies regarding speciation and chemical fingerprinting as fruit products quality markers, Journal of Horticulture, Forestry and Bitehnology, 15 (4): 101-104.
5. BOROZAN BREICA A, BORDEAN DM, DOGARU D, BOACA V, **FILIMON MN**, HARMANESCU M, POPESCU R. 2011. Statistical evaluation of cumulative effect of chemical substances-humidity over actinomycetes, Journal of Horticulture, Forestry and Bitehnology, 15 (4):21-24.
6. COPILAȘ-CIOCIANU D, **PÂRVULESCU L**. 2011. New record of the Amur sleeper *Perccottus glenii* Dybowski, 1877 (Pisces: Odontobutidae), the first record in the Romanian Mureș River Basin. Biharean Biologist 5(1): 73–74
7. CRACIUN D., CIORSAC A., **ISVORAN A**. 2011. Computational study of the surface properties of animal and bacterial aldolases, Annals of the West University of Timișoara, Series of Chemistry, vol 20 (1), 19-26
8. **DUMBRAVĂ-DODOACĂ M.**, **PETROVICI M**. 2011. Environmental education on water quality in relation to life quality (case study: influence of anthropic activities on water quality of Jiu river and its affluents - southwest Romania). Journal of Educational Sciences, 1, 33-38. ISSN 1454-7678
9. EFTENOIU CC, **PETROVICI M**, **PÂRVULESCU L**. 2011. Assessment on the Ephemeroptera distribution (Insecta) in relation with aquatic parameters in different rivers from Aninei Mountains (SW Romania). AACL Bioflux 4(1): 27–39
10. **FILIMON M.N**, BREICA BOROZAN A, BORDEAN DM, POPESCU R, GOTIA SR, VERDES D, MORARIU F, TREITLI S. 2011. Quality Assessment of Raw and Pasteurized Milk Using Microbiological Parameters, Animal Science and Biotechnologies, 44 (2):412-416.
11. **FILIMON M.N**, POPESCU R, **SINITEAN A**, DASCALU D, **ISVORAN A**, IONASCU C., OBRADOVIČ L. 2011. The effect of Zn and Mn heavy metals of the pathogenic microorganisms, Annals of West University of Timisoara Series of Chemistry, 20 (4):89-96.
12. **FILIMON M.N**, POPESCU R, DUMITRESCU G, VERDES D. 2011. Hemoleucogram parameters study, Annals of West University of Timisoara, Series of Biology, XIV:35-52.
13. FODOR A., PETREHELE A. I. G, BERECZKI E., CĂRĂBAN A. M., BLIDAR C. F., CALAPOD A. M., STĂNĂȘEL O. D., VANCEA A., **PETROVICI M.**, SIMUȚ C. 2011. Monitoring of heavy metal concentration in two species of vegetation along the Crișul Negru River Shore, Romania. Studii și Cercetări, Universitatea "Vasile Alecsandri" din Bacău, Seria Biologie 20(1), pp: 57-64.
14. **HUTANU D**. 2011. Experimental investigations regarding the effects of bisphenol A in adult mice spermatogenesis, Ann. Rom. Soc. Cell Biol., XVI(2): 74-79.
15. **IANOVICI N**, **DUMBRAVĂ-DODOACĂ M.**, **FILIMON M.N.**, **SINITEAN A**. 2011. A comparative aeromycological study of the incidence of allergenic spores in outdoor environment, Analele Universității din Oradea, Fascicula Biologie, XVIII: 88-98

16. **IANOVICI N, SINITEAN A., FAUR A.** 2011. Anatomical properties of *Plantago arenaria*, *Annals of West University of Timișoara*, ser. Biology, 14: 23-34
17. **IANOVICI N.** 2011. Approaches on the invasive alien taxa in Romania - *Ambrosia artemisiifolia* (ragweed) II, *Annals of West University of Timișoara*, ser. Biology, 14: 93-112
18. **IANOVICI N.** 2011. Histoanatomical and ecophysiological studies on some halophytes from Romania - *Plantago maritima*, *Annals of West University of Timișoara*, ser. Biology, 14: 1-14
19. **IANOVICI N.** 2011. Histoanatomical and ecophysiological studies on some halophytes from Romania - *Plantago schwarzenbergiana*, *Annals of West University of Timișoara*, ser. Biology, 14: 53-64
20. **MARIN A.A., DUMBRAVĂ-DODOACĂ M., PETROVICI M., HERLO G.** 2011. The human impact on benthic community structure and dynamics of different ecosystems from Lunca Mureșului Nature Park (West of Romania). *AAFL Bioflux*, 4(1), 72-78. ISSN 1844-8143
21. **NICA D., FILIMON MN, BREICA BOROZAN A, VINTILA D.** 2011. Can the environment induce intra-variety changes of *Helix pomatia* conchological features? *Analele Universității din Oradea, Fascicula Biologie*, XVIII(2):140-145.
22. **OBRADOVIĆ L, MILENOVIĆ S, STANKOVIĆ S, STEVANOVIĆ Z, ALBULESCU M, URIOC S, FILIMON MN.** 2011. *Annals of West University of Timisoara, Series of Chemistry*, 20 (4):127-132.
23. **POPESCU R, VERDES D, MUNTEAN D, MIRICA N, BOROZAN A, BORDEAN DM, FILIMON MN.** 2011. Proteomic analysis of IL-6 expression in UVB irradiated rat skin, *Annals of West University of Timisoara, Series of Chemistry*, 20(2): 81-87.
24. **RĂESCU C.-S., DUMBRAVĂ-DODOACĂ M., PETROVICI M.** 2011. Macrozoobenthic community structure and dynamics in Cerna River (western Romania). *AAFL Bioflux* 4(1), ISSN 1844-8143, pp: 79-87.
25. **SBÎRCEA B.A., IANOVICI N.** 2011. Active and participatory methods in biology: modeling, *Annals of West University of Timișoara*, ser. Biology, 14: 83-92
26. **SÎRBU C., IANOVICI N.** 2011. Active and participatory methods in biology: cultivation of creativity, *Annals of West University of Timișoara*, ser. Biology, 14: 73-82
27. **TREITLI S., FILIMON MN, PETRUCEAN C.** 2011. Evaluating The Pollution From Mures River On Arad-Pecica Sector Based On Enzymatic Activities From Sediments (Western Romania), *Analele Universității Din Oradea - Fascicula Biologie*, XVIII(1):71-76.
28. **URUIOC, S., MÂȘU, S., SINITEAN, A., ALBULESCU, M., POPOVICI H.** 2011. Preliminary study of mud volcanoes in Banat (South-West Romania), *Geo-Eco-Marina*, 17: 247-251.