

Domeniul BIOLOGIE

Articole în reviste cotate ISI – 2015

1. CIORSAC A.A., POPESCU I., **ISVORAN A.** 2015. Synthetic anabolic steroids binding to the human androgen receptor, Romanian Journal of Physics, 60 (7-8) 1112-1120
2. CRACIUN D., **ISVORAN A.** 2015. Correlation between the secondary structure elements in the spatial arrangement of the ef-hand calcium binding proteins, Romanian Journal of Physics, 60 (7-8) 1103-1111
3. **FILIMON MN**, VOA OS, POPESCU R, DUMITRESCU G, PETCULESCU CIOCHINA L, MITULETU M, VLAD DC. 2015. The effect of some insecticides on soil microorganisms based on enzymatic and bacteriological analyses, Romanian Biotechnological Letters, 20(3): 10439-10447
4. **FILIMON MN**, VOA OS, VLĂDOIU D-L, **ISVORAN A**, OSTAFE V. 2015. Temperature dependent effect of difenoconazole on enzymatic activity from the soil, Journal of the Serbian Chemical Society, 80(9): 1127-1137
5. NICA DV, **FILIMON MN**, BORDEAN DM, HARMANESCU M, DRAGHICI GA, DRAGAN S, GERGEN II. 2015. Impact of Soil Cadmium on Land Snails: A Two-stage Exposure Approach under Semi-field Conditions using Bioaccumulative and Conchological End-points of Exposure, PLOS ONE, DOI:10.1371/journal.pone.0116397
6. **PÂRVULESCU L**, **PÎRVU M**, MOROȘAN LG, ZAHARIA C. 2015. Plasticity in fecundity highlights the females' importance in the spiny-cheek crayfish invasion mechanism. Zoology 118: 424–432
7. **PÎRVU M**, ZAHARIA C, SATMARI A, **PÂRVULESCU L**. 2015. Spatial ecology of *Hydropsyche incognita* (Trichoptera: Hydropsychidae) in the Carpathians. European Journal of Entomology 112: 106–113
8. PUTZ M.V., DUDAS N.A., **ISVORAN A.** 2015. Double Variational Binding-(SMILES) Conformational Analysis by Docking Mechanisms for Anti-HIV Pyrimidine Ligands, International Journal of Molecular Sciences 16 (8) 19553-19601
9. TÖRÖK-OANCE R., BALAS M. 2015. Body weight, BMI and stature have a protective effect on bone mineral density in women with postmenopausal vertebral osteoporosis, whereas greater age at menarche and years after menopause have a negative effect, Asian Biomedicine, vol 9, nr.1
10. **VLADOIU D.L.**, **FILIMON M.N.**, OSTAFE V., **ISVORAN A.** 2015. Assessment of pesticides interactions with bacillus pasteurii urease. A computational study, Romanian Journal of Physics, 60 (3-4) 583-592
11. **VLADOIU D.L.**, OSTAFE V., **ISVORAN A.** 2015. Computational analysis of the structural properties of alpha - and beta - galactosidases, Studia Universitatis Babes-Bolyai Chemia, 60 (1): 239-251
12. **VLADOIU D-L**, **FILIMON MN**, OSTAFE V, **ISVORAN A.** 2015. Effects of herbicides and fungicides on the soil chitinolytic activity. A molecular docking approach, Ecological Chemistry and Engineering S, 22(3): 439-450
13. **VLĂDOIU D-L**, **FILIMON MN**, OSTAFE V, **ISVORAN A.** 2015. Computational analysis of difenoconazole interaction with soil chitinases, Journal of Physics: Conference Series 574 012012, doi:10.1088/1742-6596/574/1/012012

Articole în reviste indexate BDI/ISI Proceeding – 2015

1. BALCELLS C., PASTOR I., PITULICE L., HERNÁNDEZ C., VIA M., GARCÉS J. L., MADURGA S., VILASECA E., **ISVORAN A.**, CASCANTE M., MAS F. 2015. Macromolecular Crowding upon in-vivo-Like Enzyme-Kinetics: Effect of Enzyme-Obstacle Size Ratio, *New Front. Chem.*, 24(1), 3-16
2. CRISTA N., **ISVORAN A.** 2015. Teaching bioinformatics: online molecular docking, *New Front. Chem.*, 24 (2) 101-107
3. FILIMON MN, VOIA OS, **ISVORAN A**, POPESCU R, OSTAFE V. 2015. Study of the possible indirect effect of difenoconazole on soil microorganisms, *Nano, Bio and Green - Technologies for a Sustainable Future, Conference Proceedings Volume, Micro and nano Technologies, Advances in Biotechnology.* 575-582.
4. HUTANU D., POPESCU R, DORNEANU F, GUG C, ILINA R, STELEA L. 2015. PICSI a better choice? *Annals og RSCB,* XIX(2): 29-32.
5. IANOVICI N, TUDORICĂ D., ȘTEFLEA F. 2015. Methods of biomonitoring in urban environment: allergenic pollen in Western Romania and relationships with meteorological variables. *Annals of West University of Timișoara, ser. Biology,* 18 (2): 145-158.
6. IANOVICI N, VEREŞ M., CATRINA R.G., PÎRVULESCU A.M., TĂNASE R.M., DATCU D.A 2015. Methods of biomonitoring in urban environment: leaf area and fractal dimension. *Annals of West University of Timișoara, ser. Biology,* 18 (2):169-178.
7. IANOVICI N. 2015. Relation between Poaceae pollen concentrations and meteorological factors during 2000-2010 in Timisoara, Romania. *Acta Agrobotanica* 68(4):373–381. DOI: 10.5586/aa.2015.033
8. LERU P.M., MATEI D., IANOVICI N. 2015. Health impact of Ambrosia artemisiifolia reflected by allergists practice in Romania. A questionnaire – based survey, *Annals of West University of Timișoara, ser. Biology,* 18 (1), 43-54.
9. LIGHEZAN L., NEAGU A., **ISVORAN A.** 2015. Using bioinformatics to compare the rof2 (fkbp65) protein from arabidopsis thaliana to its human homolog FKBP52, *ROMANIAN J. BIOPHYS.*, Vol. 24, No. 3, P. 157–173
10. MARIN A.-A., LIXANDRU B., **PETROVICI M.**, SINITEAN A., MORARIU F., POPESCU D. 2015. Ecological diagnosis of Bega River water quality depending on the topography of Timișoara City. *Scientific Papers: Animal Science and Biotechnologies* 48(1), ISSN 1841-9364, pp: 245-249.
11. MARIN A.-A., LIXANDRU B., **SINITEAN A., PETROVICI M.**, MORARIU F., POPESCU D., LATI V. 2015. The composition of benthic vernal diatoms communities on the lower course of Bega River. *Bulletin USAMV series Agriculture* 72(2), ISSN 1843-5246, pp: 423-427.