## List of Publications

### Publications in ISI Journals:

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<th>Publication</th>
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Total number of citations: 289

Hirsch index: 6

Book chapters


PhD Thesis, defended on December 15th, 2004

Knowledge-Based Analysis of Protein Structures and their Complexes. Applications Towards Interaction with Carbohydrates
Publications in Romanian Journals (B+ category):


Oral presentations:


3. "Improving accuracy of ion channels computational models using symmetry"


11. A Statistical Analysis of N-glycosylation Sites. Implications for Glycan Roles in Glycoprotein Structure and Folding. Milac AL, Annual Scientific Meeting of the Faculty of Physics, May 28, 2004


13. Applications of Artificial Neural Networks in Life Sciences”. Milac AL, Physics and Educational System meeting, Bucharest, September 26-28, 2003

14. Neural Networks Used for Predicting the Biological Activity of HIV-1 Protease Cyclic Urea Inhibitors. Milac AL, at mini-workshop Molecular basis of Plant Defence Mechanisms, Bucharest, February 13-14, 2003


17. Syntactical Approach to Protein Structure Prediction. Milac AL, Bălan P, Annual Scientific Meeting of the Faculty of Physics, Bucharest, May 1999
Posters:

1. ÒDesign of Improved Antimicrobial Peptides by 3D-QSAR-Almond and Computational MutagenesisÓ Avram S, Buiu C, Borcan F, Milac AL. The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology (RSBMB), Bucharest, September 13-14, 2012


3. ÒComputational models of mechanosensitive TREK channels and their gating mechanism are supported by experimental dataÓ Milac AL, Anishkin A, Fatakia SN, Chow CC, Sukharev S, Guy HR, Petrescu AJ. 11th National Conference of Biophysics, Sibiu, Romania, November 10 - 12, 2011


5. ÒAccuracy of Ion Channels Homology Models is Significantly Improved by Symmetry-Restrained Molecular Dynamics SimulationsÓ Milac AL, Anishkin A, Guy HR. Annual Biophysical Society Meeting, Boston, MA, March 4, 2009

6. ÒSymmetry-Restrained Molecular Dynamics Simulations Improve Homology Models Of Ion ChannelsÓ Milac AL, Anishkin A, Guy HR. NIH Festival, 2008

7. ÒKnowledge-based Structural Models of Hyperpolarization-activated Cyclic Nucleotide-gated ChannelsÓ Milac AL, Guy HR. Annual Biophysical Society Meeting, Long Beach, CA, February 6, 2008

8. ÒStructural Models of Hyperpolarization-activated Cyclic Nucleotide-gated Potassium Channels. Implications on Functional MechanismÓ Milac AL, Guy HR. NIH Festival, September 2007


11. ÒMapping Sequence Variability on β-1,4-Endoglucanase StructureÓ Milac AL, Helder H, Petrescu AJ. Annual Meeting of the Institute of Biochemistry, Bucharest, December 17, 2004

12. ÒPredicting Occupancy of N-Glycosylation Sites by Neural NetworksÓ Milac AL, Petrescu SM, Dwek RA, Petrescu AJ. ÒGlycobiology and DiseaseÓ International Meeting, Bucharest, June 2-5, 2004

13. ÒThe Structural Bases of Slaty Mutations Effects on TRP2Ó Milac AL, Costin GE, Petrescu SM, Hearing V, Petrescu AJ. ÒGlycobiology and DiseaseÓ International


17. Neural Networks Used for Predicting the Biological Activity of HIV-1 Protease Cyclic Urea Inhibitors. Milac AL, Avram S, Petrescu AJ, RSBMB Annual Meeting, Bucharest, September 27, 2002


