Short Curriculum Vitae: *Georgios Boulougouris*

Current Position:	Assistant Professor, Molecular Biology and Genetics, DUTH, Greece
Undergraduate Education:	Chemical Engineering NTUA , Greece
Post-graduate Education:	NTUA Greece, NCSR "Demokritos" Greece, AMOLF Netherlands
Areas of Interest	• Statistical Mechanics, Thermodynamics, Computational Physical Chemistry, Molecular Simulation, Statistics, ,Information Theory, Shannon algebra in genetics, computational modeling of biochemical proceeses .
Distinctions	• Marie Curie Reintegration Grand, Marie Curie individual Fellowship, , NCSR "Demokritos" PhD Fellowship.
Funding	• Host on an Greek Diaspora Fellowship Program, a grant from the Stavros Niarchos Foundation (SNF)
Representative publications	*G. C. Boulougouris* "Free Energy Calculations, Enhanced by a Gaussian Ansatz, for the "Chemical Work" Distribution*",* Journal of Computational Chemistry, 2014, 35 *G. C. Boulougouris*, "Multidimensional direct free energy perturbation*", J. Chem. Phys.*, 2013, *138, 114111* *G.C. Boulougouris, "*On the Estimation of the Free Energy, From a Single Equilibrium Statistical Ensemble, via Particle Reinsertion*" J. Phys. Chem. B, 2012, 116 , 997* *G. C. Boulougouris*, "Calculation of the chemical potential beyond the first order free energy perturbation: from deletion to reinsertion.", Journal of Chemical & Engineering Data , 2010, 6, 1307-1322 (2010) *G. C. Boulougouris,* D.N. Theodorou."Probing sub-glass relaxation in polymers via a geometric representation of probabilities, observables and relaxation modes for discrete stochastic systems.", *J.Chem.Phys,* **2009**, 130, 044905 *G. C. Boulougouris* and D.N. Theodorou, "Dynamical integration of a Markovian web: A first passage time approach" *J.Chem.Phys,* **2007**, *127*, 084903 G. C. Boulougouris, D. Frenkel, "Monte Carlo sampling of a Markov web", *J. Chem. Theory Comput.* **2005**, 1, 389-393 G.C. Boulougouris, I.G. Economou and D.N. Theodorou, " On the Calculation of the Chemical Potential Using the Particle Deletion Scheme ", *Mol. Phys.*, **1999**, *96*, 905-913

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