

Personal Data

First Name : Athanassios
Last Name : Stavrakoudis
Born : Serres – Greece, 1968
Languages : Greek, English
Web-site : <http://stavrakoudis.econ.uoi.gr>
Current occupation : Assistant Professor, Department of Economics,
University of Ioannina, Greece

Education and training

- ▶ 2001 (14/Jul–13/Aug), University of Western Ontario, Canada
- ▶ 2000 (20/Mar–7/Apr), University of Padova, Italy
- ▶ 1994 (1/May - 30/June), Institute of Physical Chemistry of Macromolecules, Nancy, France
- ▶ 1993–1999, PhD in Chemistry, Department of Chemistry, University of Ioannina, Greece
- ▶ 1994 (1/May - 30/June), Institute of Physical Chemistry of Macromolecules, Nancy, France
- ▶ 1987–1993, Ptychion in Chemistry, Department of Chemistry, University of Ioannina, Greece

Research Interests

- ▶ Dynamic systems modelling simulation
- ▶ Stochastic optimization and simulation
- ▶ Copula analysis of dependence and/or asymmetric co-movement
- ▶ Scientific computation/simulation on grid environments

Awards

- ▶ 1995–1996, University of Ioannina (Greece), scholarship winner for PhD studies
- ▶ 1998, Travel award for the 25th European Peptide Symposium, Budapest
- ▶ 2009, Included for subsequent versions of "Marquis's Who is Who in The World"

Reviewer

- ▶ Agricultural Economics
- ▶ Technological and Economic Development of Economy
- ▶ Bioinformatics

- ▶ Data In Brief
- ▶ Greek Secretariat for Research and Technology – project evaluation
- ▶ Romanian Academy of Sciences – project evaluation
- ▶ WSEAS Conferences

Computational skills

- ▶ Fluency in computer programming, C/C++, FORTRAN, PERL, PHP, SQL, Octave/Matlab, R, bash scripting, parallel programming, Latex, etc
- ▶ Simulation software, NetLogo, Dynare, etc
- ▶ Database administration/management (mainly MySQL/PostgreSQL)
- ▶ Administration of Linux workstations/networks

Books

- ▶ *Databases and SQL: A Practical Approach* (in Greek), Athens, 2015, 2nd Ed. Kleidarithmos, ISBN 978-960-461-363-2
- ▶ *Introductions to Computational Methods for Economics and Business Studies* (in Greek), Athens, 2012, Kleidarithmos, ISBN 978-960-461-511-7

Online courses

Four courses with video lectures and relative material for online study:

- ▶ *Introduction to Computational Economics*
<http://stavrakoudis.econ.uoi.gr/stavrakoudis/?iid=2>
<http://ecourse.uoi.gr/course/view.php?id=1064>
- ▶ *Data management and Databases*
<http://stavrakoudis.econ.uoi.gr/stavrakoudis/?iid=100>
<http://ecourse.uoi.gr/course/view.php?id=1065>
- ▶ *Computer Programming and Numerical Methods*
<http://stavrakoudis.econ.uoi.gr/stavrakoudis/?iid=155>
<http://ecourse.uoi.gr/course/view.php?id=1066>
- ▶ *Computational Economics*
<http://stavrakoudis.econ.uoi.gr/stavrakoudis/?iid=157>
<http://ecourse.uoi.gr/course/view.php?id=1155>

Invited lectures

- ▶ *Spreadsheet Solutions for Managerial Sciences and Online Databases for Economic Data*, University of Vilnius, Faculty of Economics, September 2015.
- ▶ *Introduction to Ordinary Least Squares and Latex for Scientific Writing*, Ruhr University of Bochum, January 2016.
- ▶ *Spreadsheet Solutions for Managerial Sciences*, A. I. Cuza University of Iasi, Faculty of Economics, April 2016.
- ▶ *Introduction to Maxima for Economics*, and *Introduction to OLS with STATA*, University of Mons, Faculty of Economics, March 2017.
- ▶ *Introduction to tidyquant, managing financial data with R*, University of Lodz, Faculty of Economic and Social Sciences, May 2018.
- ▶ *Spreadsheet Solutions for Managerial Sciences*, University of Oradea, Faculty of Economics, May 2018.
- ▶ *Online Databases for Economic Research*, University of Aveiro, Department of Economics, November 2018.

Publications in International Refereed Journals

ResearcherID : <http://www.researcherid.com/rid/D-1081-2010>

Google Scholar : <http://scholar.google.com/citations?user=w15gmVYAAAAJ>

1. D. Panagiotou and A. Stavrakoudis, Free-on-board and uniform delivered pricing strategies in pure and mixed spatial duopolies: the strategic role of cooperatives, *Journal of Economic Assymetries*, 2018, 18, e00109
2. D. Panagiotou and A. Stavrakoudis, A stochastic frontier estimator of the aggregate degree of market power exerted by the US meat packing industry, *Economia e Politica Industriale*, 45 (2018) 387–401
3. A. Stavrakoudis and D. Panagiotou, Price dependence and asymmetric responses between coffee varieties, *Agricultural Economics Review*, 17 (2017) 5–22
4. D. Panagiotou and A. Stavrakoudis, A Stochastic Production Frontier Estimator of the Degree of Oligopsony Power in the U.S. Cattle Industry, *Journal of Industry, Competition and Trade*, 17 (2017) 121–133
5. D. Panagiotou and A. Stavrakoudis, Price Dependence between Different Beef Cuts and Quality Grades: A Copula Approach at the Retail Level for the U.S. Beef Industry, *Journal Agricultural & Food Industrial Organization*, 14 (2015) 121–131
6. D. Panagiotou and A. Stavrakoudis, Price asymmetry between different pork cuts in the USA: a copula approach, *Agricultural and Food Economics*, 3 (2015) 1–8.
7. A. Stavrakoudis, Insights into the structure of the LC13 TcR complexed with the HLA-B8-EBV peptide complex with molecular dynamics simulations, *Cell Biochem Biophys*, 60 (2011) 283–295.
8. A. Stavrakoudis, Cis-trans isomerization of the Epstein-Barr virus determinant peptide EENLLDFVRF after DM1 TCR recognition of HLA-B*4405/peptide complex, *FEBS Letters*, 585 (2011) 485–491.
9. A. Stavrakoudis, Molecular dynamics study of the human insulin peptide LVEAL-YLVCGERGG complexed with HLA-DQ8 reveals important hydrogen bond interactions, *Molecular Simulation*, 10 (2011) 837–845
10. A. Stavrakoudis, I. G. Tsoulos, Configurational entropy reallocation and complex loop dynamics of the mosquito-stage Pvs25 protein complexed with the Fab fragment of the malaria transmission blocking antibody 2A8, *J Chem Theory Comput*, 7 (2011) 515–524.
11. I. G. Tsoulos, A. Stavrakoudis, Eucb: a C++ program for molecular dynamics trajectory analysis, *Comput Phys Commun* 182 (2011) 834–841
12. A. Stavrakoudis, I. G. Tsoulos, K. Uray, F. Hudecz, V. Apostolopoulos, Homology modeling and molecular dynamics simulations of the non-canonical MUC1-9/H-2K^b complex suggests novel binding interactions, *J Mol Model*, 17 (2011) 1817–1829.
13. A. Stavrakoudis, Conformational Flexibility in Designing Peptides for Immunology: The Molecular Dynamics Approach, *Curr Comput Aided Drug Des* 6 (2010) 207–222.

14. A. Stavrakoudis, Computational modeling and molecular dynamics simulations of a cyclic peptide mimotope of the CD52 antigen complexed with CAMPATH-1H antibody, *Molecular Simulation* 36 (2010) 127–137.
15. I. G. Tsoulos, A. Stavrakoudis, Enhancing PSO methods for global optimization, *Applied Mathematics and Computation* 216 (2010) 2988–3001.
16. I. G. Tsoulos, A. Stavrakoudis, On locating all roots of systems of nonlinear equations inside bounded domain using global optimization methods, *Nonlinear Analysis: Real World Applications* 11 (2010) 2465–2471.
17. V. E. Fadoulglou, A. Stavrakoudis, V. Bouriotis, M. Kokkinidis, N. M. Glykos, Molecular Dynamics Simulations of BcZBP, A Deacetylase from *Bacillus cereus*: Active Site Loops Determine Substrate Accessibility and Specificity, *J Chem Theory Comput* 5 (2009) 3299–3311.
18. A. Stavrakoudis, Conformational Studies of the 313-320 and 313-332 Peptide Fragments Derived from the α_{IIb} Subunit of Integrin Receptor with Molecular Dynamics Simulations, *Int J Pept Res Ther* 15 (2009) 263–272.
19. V. A. Tatsis, I. G. Tsoulos, C. Krinas, C. Alexopoulos, A. Stavrakoudis, Insights into the structure of PmrD protein with molecular dynamics simulations, *Int J Biol Macromol* 44 (2009) 393–399.
20. A. Stavrakoudis, I. G. Tsoulos, Z. Senkarev, T. V. Ovchinnikova, Molecular dynamics of arenicin-2 in explicit water: β -hairpin stabilization by non-bonded interactions, *Biopolymers* 92 (2009) 143–155.
21. A. Stavrakoudis, A disulfide linked model of the complement protein C8 γ complexed with C8 α indel peptide, *J Mol Model* 15 (2009) 165–171.
22. V. A. Tatsis, I. G. Tsoulos, A. Stavrakoudis Molecular Dynamics Simulations of the TSSPSAD Peptide Antigen in Free and Bound with CAMPATH-1H Fab Antibody States: The Importance of the β -Turn Conformation, *Int J Pept Res Ther* 15 (2009) 1–9.
23. A. Stavrakoudis, V. Tsikaris, Computational studies on the backbone-dependent side-chain orientation induced by the (S,S)-CXC motif, *J Pept Sci* 14 (2008) 1259–1270.
24. A. Stavrakoudis, Molecular dynamics simulations of an apolipoprotein derived peptide, *Chem Phys Lett* 461 (2008) 294–299.
25. V. A. Tatsis, A. Stavrakoudis, I. N. Demetropoulos, Molecular Dynamics as a pattern recognition tool: An automated process detects peptides that preserve the 3D arrangement of Trypsin’s Active Site, *Biophys Chem* 133 (2008) 36–44.
26. A. Kosmopoulou, M. Vlassi, A. Stavrakoudis, C. Sakarellos, M. Sakarellos-Daitsiotis, T-cell epitopes of the La/SSB autoantigen: Prediction based on the homology modeling of HLA–DQ2/DQ7 with the insulin–B peptide/HLA–DQ8 complex, *J Comput Chem* 27 (2006) 1033–1044.

27. D. Krikorian, A. Stavrakoudis, N. Biris, C. Sakarellos, D. Andreu, E. De Oliveira, G. Mezo, Z. Majer, F. Hudecz, S. Welling-Wester, M. T. Cung, V. Tsikaris, Influence of sequential oligopeptide carriers on the bioactive structure of conjugated epitopes: Comparative study of the conformation of a herpes simplex virus glycoprotein gD-1 epitope in the free and conjugated form, and protein “built-in” crystal structure, *Biopolymers* 84 (2006) 383–399.
28. V. A. Tatsis, A. Stavrakoudis, I. N. Demetropoulos, LysinebasedTrypsinActSite(LysTAS): A configurational tool of the TINKER software to evaluate Lysine based branched cyclic peptides as potential chymotrypsin-mimetics, *Molecular Simulation* 32 (2006) 643–644.
29. D. Hatzinikolaou, A. Stavrakoudis, Empirical size and power of some diagnostic tests applied to a distributed lag model, *Empirical Economics* 31 (2006) 631–643.
30. D. Hatzinikolaou, A. Stavrakoudis, A new variant of reset for distributed lag models, *Economics Bulletin* 3 (2005) 1–4.
31. S. Kostidis, A. Stavrakoudis, N. Biris, D. Tsoukatos, C. Sakarellos, V. Tsikaris, The relative orientation of the Arg and Asp side chains defined by a pseudodihedral angle as a key criterion for evaluating the structure–activity relationship of RGD peptides, *J Pept Sci* 10 (2004) 494–509.
32. P. Sofou, Y. Elemes, E. Panou-Pomonis, A. Stavrakoudis, V. Tsikaris, C. Sakarellos, M. Sakarellos-Daitsiotis, M. Maggini, F. Formaggio, C. Toniolo, Synthesis of a proline-rich [60]fullerene peptide with potential biological activity, *Tetrahedron* 60 (2004) 2823–2828.
33. N. Biris, A. Stavrakoudis, A. S. Politou, E. Mikros, M. Sakarellos-Daitsiotis, C. Sakarellos, V. Tsikaris, The Ac-RGD-NH₂ peptide as a probe of slow conformational exchange of short linear peptides in DMSO, *Biopolymers* 69 (2003) 72–86.
34. A. Stavrakoudis, S. Makropoulou, V. Tsikaris, M. Sakarellos-Daitsiotis, C. Sakarellos, I. N. Demetropoulos, Computational screening of branched cyclic peptide motifs as potential enzyme mimetics, *J Pept Sci* 9 (2003) 145–155.
35. A. Stavrakoudis, G. Bizos, D. Eleftheriadis, A. Kouki, E. Panou-Pomonis, M. Sakarellos-Daitsiotis, C. Sakarellos, D. Tsoukatos, V. Tsikaris, A Three-Residue Cyclic Scaffold of non-RGD Containing Peptide Analogues as Platelet Aggregation Inhibitors: Design, Synthesis, and Structure–Function Relationships, *Biopolymers* 56 (2000) 14–19.
36. A. Stavrakoudis, I. N. Demetropoulos, C. Sakarellos, M. Sakarellos-Daitsiotis, V. Tsikaris, Design, synthesis and catalytic activity of a serine protease synthetic model, *Int J Pept Res Ther* 4 (1997) 481–487.