

**ΛΙΣΤΑ ΔΗΜΟΣΙΕΥΣΕΩΝ ΤΜΗΜΑΤΟΣ ΣΤΑΤΙΣΤΙΚΗΣ ΚΑΙ ΑΝΑΛΟΓΙΣΤΙΚΩΝ-  
ΧΡΗΜΑΤΟΟΙΚΟΝΟΜΙΚΩΝ ΜΑΘΗΜΑΤΙΚΩΝ**

**Δημοσιεύσεις σε διεθνή περιοδικά με κριτές**

<b>2022</b>	<ol style="list-style-type: none"> <li>1. Stelios Zimeras. <b>Spreading Stochastic Models Under Ising/Potts Random Fields: Spreading Diseases, Quality of Healthcare in the Aftermath of the COVID-19 Pandemic</b>, IGI Global, 65-78, <b>2022</b>.</li> <li>2. Sagianou, A. and Hatzopoulos, P. <b>“Extensions on the Hatzopoulos–Sagianou Multiple-Components Stochastic Mortality Model”</b>, Risks 10, no. 7: 131. DOI: <a href="https://doi.org/10.3390/risks10070131">https://doi.org/10.3390/risks10070131</a>. (2022)</li> <li>3. N. Halidias – I. Stamatiou, <b>A note on the asymptotic stability of the semi-discrete method for stochastic differential equations</b>, <a href="#">Monte Carlo Methods and Applications, 2022</a></li> <li>4. N. Halidias, <b>On the Option Pricing by the Binomial Model</b>, <a href="#">Asian J. Math. Appl. (2022)</a></li> <li>5. N. Halidias, <b>On the Computation of the Minimum Polynomial and Applications</b>, <a href="#">Asian Research Journal of Mathematics, 2022</a></li> <li>6. N. Halidias, <b>On the practical point of view of option pricing</b>, <a href="#">Monte Carlo Methods and Applications, 2022</a></li> <li>7. N. Halidias – I. Stamatiou, <b>Boundary preserving explicit scheme for the Ait-Sahalia model</b>, <a href="#">Discrete and Continuous Dynamical Systems - Series B</a></li> <li>8. Floros, C., Gkillas, K., Kountzakis, C. <b>"Generalized Johnson Distributions and Risk Functionals"</b>, MDPI Mathematics. DOI:<a href="https://doi.org/10.3390/math10173200">10.3390/math10173200</a>. (2022)</li> <li>9. E. Tachtsis (with J. Hejduk and E. Wajch), <i>On Urysohn's Lemma for Generalized Topological Spaces in ZF</i>, <b>Results in Mathematics (Birkhäuser/Springer) 77</b>, no. 2 (2022), Paper No. 91, 19pp.</li> <li>10. E. Tachtsis, <i>On the interrelation of a theorem of Juh\{a}sz and certain weak axioms of choice</i>, <b>Fundamenta Mathematicae (Institute of Mathematics of the Polish Academy of Sciences) 256</b>, no. 3 (2022), 261-283.</li> <li>11. E. Tachtsis, <i>Almost Disjoint and MAD Families in Vector Spaces and Choice Principles</i>, <b>The Journal of Symbolic Logic (Cambridge) 87</b>, No. 3 (2022), 1093-1110.</li> <li>12. E. Tachtsis, <i>Some independence results about compact metrizable spaces and two notions of finiteness</i>, <b>Topology and its Applications (Elsevier) 307</b> (2022), 107947.</li> <li>13. E. Tachtsis, <i>On a theorem of Kurepa for partially ordered sets and weak choice</i>, <b>Monatshefte für Mathematik (Springer) 199</b> (2022), 645-669.</li> <li>14. E. Tachtsis (with K. Keremedis), <i>Stranger things about the cardinality of compact metric spaces without AC</i>, <b>Acta Mathematica Hungarica (Springer)</b> (2022). DOI 10.1007/s10474-022-01272-9.</li> </ol>
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2021	<ol style="list-style-type: none"> <li data-bbox="370 254 1385 373">1. Barbu, V. S., Makrides, A. and Karagrigoriou, A. (2021). Reliability and Inference for Multi State Systems: The Kumaraswamy case, <i>Mathematics</i>, <b>9 (16)</b>, 1834.</li> <li data-bbox="370 394 1385 514">2. Koukouris, C. and Karagrigoriou, A. (2021). On entropy-type measures and divergences with applications in engineering, management and applied sciences, <i>J. of Mathematical, Engineering and Management Science</i>, <b>6(3)</b>, 688-707.</li> <li data-bbox="370 535 1385 655">3. Makris, K., Vonta, I. and Karagrigoriou, A. (2021). On similarity measures for stochastic and statistical modelling, <i>Mathematics</i> Vol. <b>9 (8)</b>, 840 <a href="https://doi.org/10.3390/math9080840">https://doi.org/10.3390/math9080840</a></li> <li data-bbox="370 676 1385 850">4. Giannouli, P., Karagrigoriou, A., Kountzakis, C.E. and Ntotsis, K. (2021). Multilevel Dimension Reduction for Credit Scoring Modelling and Prediction: Empirical Evidence for Greece, <i>Comm. in Stat. Case Studies and Data Analysis</i> DOI: 10.1080/23737484.2021.1936690.</li> <li data-bbox="370 871 1385 991">5. Anastasiou, A., Hatzopoulos, P., Karagrigoriou, A., Mavridoglou, G. (2021). Causality Distance Measures for Multivariate Time Series with Applications, <i>Mathematics</i>, <b>9 (21)</b>, 2708.</li> <li data-bbox="370 1012 1385 1131">6. Ntotsis, K., Karagrigoriou, A. and Artemiou, A. (2021). Interdependency Pattern Recognition in Econometrics: A Penalized Regularization Antidote, <i>Econometrics</i>, <b>9(4)</b>, 44.</li> <li data-bbox="370 1152 1385 1297">7. E.Tachtsis, <i>The Boolean prime ideal theorem does not imply the extension of almost disjoint families to MAD families</i>, <b>Bulletin of the Polish Academy of Sciences, Mathematics 68, No. 2</b> (2020), 105-115.</li> <li data-bbox="370 1318 1385 1463">8. E. Tachtsis (with P. Howard), <i>On metrizable and compactness of certain products without the Axiom of Choice</i>, <b>Topology and its Applications (Elsevier) 290</b> (2021), 107591.</li> <li data-bbox="370 1484 1385 1629">9. E. Tachtsis (with K. Keremidis and E. Wajch), <i>Second-countable compact Hausdorff spaces as remainders in ZF and two new notions of infiniteness</i>, <b>Topology and its Applications (Elsevier) 298</b> (2021), 107732.</li> <li data-bbox="370 1650 1385 1795">10. E. Tachtsis (with K. Keremidis and E. Wajch), <i>Several results on compact metrizable spaces in ZF</i>, <b>Monatshefte für Mathematik (Springer) 196</b> (2021), 67-102.</li> </ol>

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- 12.** E. Tachtsis (with J. Hejduk and E. Wajch), On Urysohn's Lemma for generalized topological *spaces in ZF*, accepted in **Results in Mathematics (Springer)**.
- 13.** E. Tachtsis, *On the interrelation of a theorem of Juhász and certain weak axioms of choice*, accepted in **Fundamenta Mathematicae**.
- 14.** E. Tachtsis, *Almost Disjoint and MAD Families in Vector Spaces and Choice Principles*, accepted in **The Journal of Symbolic Logic**.
- 15.** N. Halidias, *On the absorption probabilities and mean time for absorption for discrete Markov chains, Monte Carlo Methods Appl. Journal Profile 27, No. 2, 105-115 (2021)*.
- 16.** Causality Distance Measures for Multivariate Time Series with Applications  
A Anastasiou, P Hatzopoulos, A Karagrigoriou, G Mavridoglou, *Mathematics 9 (21)*, 2708, 2021
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