

Department of Food Science and Technology (<http://foodscitech.upatras.gr/>)

Rank: Professor (http://foodscitech.upatras.gr/?page_id=5593)

Position: Deputy President

Knowledge Area: Intelligent Information Systems

Laboratory: [Laboratory of Agribusiness Management](#)

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Brief introduction of academic and research experience:

Grigorios Beligiannis was born in Athens, Greece, in 1974. He graduated from the Department of Computer Engineering & Informatics of the University of Patras in 1997. He finished his postgraduate studies in “Computer & Information Technology” in 2000 and his doctoral dissertation in 2002 at the same time Department.

In 2007 he was elected to the lecturer's degree with knowledge area “Management Information Systems”. In 2011 he has evolved at the rank of Assistant Professor, in 2016 at the rank of Associate Professor and in 2020 at the rank of Professor with subject “Intelligent Information Systems”. He has 66 published research papers in international scientific journals, 50 published papers in scientific conferences and 4 chapters in edited book series. He has over 21 years of experience in teaching in Greek universities in undergraduate and post graduate courses. He has over 26 years of experience in participating in research projects. He has been Chairman of the Department of Business Administration of Food & Agricultural Enterprises, University of Patras, from September 2016 till August 2020. Since September 2022 he is the Chairman of The Department of Food Science & Technology, University of Patras.

Professor Beligiannis is Editorial Board Member of Applied Soft Computing, Section Board Member of Applied Sciences, Advisory Board of Helyion, International Editorial Review Board Member of Artificial Intelligence Research and Editorial Board Member of Journal of Advances in Artificial Intelligence, Journal of Intelligent Communication, Computing and Artificial Intelligence, Artificial Intelligence Evolution, Journal of Intelligent Communication and International Journal of Cyber Forensics and Advanced Threat Investigations. He has been a member of the Technical Committee at more than 350 international scientific conferences. His research interests focus on Intelligent Algorithms of Decision Theory, on Intelligent Algorithm Applications to System Identification, Parameter Estimation and Operations Research problems and on Business Intelligence Systems.

Academic Titles

- Diploma of Computer Engineering and Informatics, Department of Computer Engineering and Informatics, University of Patras, 1997.

- MSc in “Computer Science and Computer Technology”, Department of Computer Engineering and Informatics, University of Patras, 2000.
- PhD in “Evolutionary Systems for Digital Signal Processing of Stochastic Signals”, Department of Computer Engineering and Informatics, University of Patras, 2002.

Research Interests

- Artificial Intelligence - Computational Intelligence - Machine Learning.
- Artificial Neural Networks - Genetic/Evolutionary Algorithms – Genetic Programming - Evolution Strategies.
- Decision Support Theory - Pattern Recognition.
- Design and Development of Information Systems - Intelligent Information Systems.
- Applications of Hybrid Intelligent Information Systems for modeling real world timeseries belonging to linear and non-linear systems (bio-signals, financial data, data for simulation and modelling of agricultural applications, data for user/student modeling, etc.)
- Design and Development of Hybrid Intelligent Algorithms for solving timetabling and scheduling problems.
- Multi-objective optimization

Publications

He has published 58 articles in international scientific journals, 49 articles in proceedings of international conferences and 4 chapters in edited book series.

Member in Editorial Boards

- Associate Editor of International Journal of Artificial Intelligence (IJAI)
- Editorial Board Member of Applied Soft Computing
- Section Board Member of Applied Sciences
- Advisory Board of Heliyon
- International Editorial Review Board Member of Artificial Intelligence Research (AIR)
- Editorial Board Member of Journal of Advances in Artificial Intelligence
- Editorial Board Member of International Journal of Cyber Forensics and Advanced Threat Investigations
- Editorial Board Member of Journal of Intelligent Communication
- Academic Board Member of ETERNO PRESS
- Editorial Board Member of Computing and Artificial Intelligence

Referee in Journals / Magazines

He is an active referee in over 30 international scientific journals and has completed over 300 reviews.

Member of the Program Committee

He has been member of the Program Committee of more than 200 international scientific conferences.

Journal publications

- A1. S. K. Katsikas, S. D. Likothanassis, G. N. Beligiannis K. G. Berketis and D. A. Fotakis, **“Genetically Determined Variable Structure Multiple Model Estimation”**, *IEEE Transactions on Signal Processing*, Volume 49, No. 10, pp. 2253-2261, October 2001, (published by IEEE monthly, Impact Factor 2001: 1.268) (<http://ieeexplore.ieee.org/iel5/78/20569/00950781.pdf>). (Λίστες: ISI, Scopus, Scholar Google)
- A2. G. N. Beligiannis, E. N. Demiris and S. D. Likothanassis, **“EVOLUTIONARY NON LINEAR MULTI MODEL PARTITIONING FILTERS”**, *Journal of Advanced Computational Intelligence and Intelligent Informatics*, special issue on Selected Papers WISP'99, Vol.5 No.1, pp. 8-14, 2001, (published by Fuji Technology Press Ltd. bimonthly) (<http://www.fujipress.jp/finder/xslt.php?mode=present&inputfile=JACII000500010002.xml>). (Λίστες: Scopus, DBLP, Scholar Google)
- A3. G. A. Tsirogiannis, G. N. Beligiannis, S. D. Likothanassis, and M. N. Vrahatis, **“Evolutionary Algorithms For Computing Zeros Of Nonlinear Functions”**, *Nonlinear Analysis, Theory, Methods & Applications*, Volume 47, No.5, pp. 3437-3442, August 2001, (published by Elsevier Science monthly, Impact Factor 2001: 0.406, [doi:10.1016/S0362-546X\(01\)00460-6](https://doi.org/10.1016/S0362-546X(01)00460-6)). (Λίστες: ISI, Scopus, Scholar Google)
- A4. S. D. Likothanassis, G. N. Beligiannis, D. A. Fotakis, D. K. Fragoudis and K. Giotopoulos, **“AN EVOLUTIONARY COMPUTATION TECHNIQUE FOR USER PROFILE OPTIMIZATION”**, *International Journal of Computers and Their Applications*, Vol.10, No.1, pp. 25-33, March 2003, (published by International Society for Computers and their Applications quarterly, <http://www.isca-hq.org/j-list.htm>). (Λίστες: DBLP, Scholar Google)
- A5. G. N. Beligiannis, L. V. Skarlas and S. D. Likothanassis, **“A Generic Applied Evolutionary Hybrid Technique for Adaptive System Modeling and Information Mining”**, *IEEE Signal Processing Magazine*, special issue on “Signal Processing for Mining Information”, Vol. 21, No. 3, pp. 28-38, May 2004, (published by IEEE bimonthly, Impact Factor 2004: 3.707, http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=1296540). (Λίστες: ISI, Scopus, Scholar Google)
- A6. Lambros V. Skarlas, Grigorios N. Beligiannis, Efstratios F. Georgopoulos and Adam V. Adamopoulos, **“Intelligent Modeling of the Electrical Activity of the Human Heart”**, *International Journal of Medical, Health, Pharmaceutical and Biomedical Engineering*, Vol. 1 No. 9, pp. 546-549, 2007, (former *International Journal of Signal Processing*, Vol. 1, No. 1, pp. 38-41, Winter 2005), (published by World Academy of Science Engineering and Technology quarterly, <http://www.waset.org/publications/11530>). (Λίστες: Scholar Google, CiteSeer^x)
- A7. Grigorios N. Beligiannis, Georgios A. Tsirogiannis and Panayotis E. Pintelas, **“Restartings: A Technique to Improve Classic Genetic Algorithms' Performance”**, *International Journal of Chemical, Nuclear, Metallurgical and Materials Engineering*, Vol. 1, No. 1, pp. 24-27, 2007, (former *International Journal of*

Computational Intelligence, Vol. 1, No. 2, pp. 102-105, Spring 2005), (published by World Academy of Science Engineering and Technology quarterly, <http://www.waset.org/publications/12222>). (Λίστες: Scholar Google, CiteSeer^x)

- A8. Grigorios N. Beligiannis, Georgios A. Tsirogiannis and Panayotis E. Pintelas, ““Intuition” Operator: Providing Genomes with Reason”, *International Journal of Computer, Information, Systems and Control Engineering*, Vol. 1, No. 1, pp. 142-145, 2007, (former *International Journal of Computational Intelligence*, Vol. 1, No. 2, pp. 110-113, Spring 2005, (published by World Academy of Science Engineering and Technology quarterly, <http://waset.org/publications/9954/>). (Λίστες: Scholar Google)**
- A9. G. N. Beligiannis, L. V. Skarlas, S. D. Likothanassis and K. Perdikouri, “Nonlinear Model Structure Identification of Complex Biomedical Data Using a Genetic Programming Based Technique”, *IEEE Transactions on Instrumentation and Measurement*, special issue on Intelligent Signal Processing, Vol. 54, No. 6, pp. 2184-2190, December 2005, (published by IEEE quarterly, Impact Factor 2005: 0.700) (<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=1542516>). (Λίστες: ISI, Scopus, Scholar Google)**
- A10. Konstantinos C. Giotopoulos, Christos E. Alexakos, Grigorios N. Beligiannis and Spiridon D. Likothanassis, “Computational Intelligence Techniques and Agents’ Technology in E-learning Environments”, World Academy of Science, Engineering and Technology, Vol. 2: 2008-10-28, (former *International Journal of Information Technology*, Vol. 2, No. 2, pp. 147-156, Spring 2006), (published by World Academy of Science Engineering and Technology quarterly, <http://www.waset.org/publications/5888>). (Λίστες: Scholar Google)**
- A11. Konstantinos C. Giotopoulos, Christos E. Alexakos, Grigorios N. Beligiannis and Spiridon D. Likothanassis, “Integrating Computational Intelligence Techniques and Assessment Agents in E-Learning Environments”, *International Journal of Computational Intelligence*, Vol. 3, No. 4, pp. 328-337, Fall 2007, (published by World Academy of Science Engineering and Technology quarterly, <http://citeseerx.ist.psu.edu/viewdoc/download;jsessionid=FDCDD62D17AED47767C6685B8A1003CB?doi=10.1.1.117.913&rep=rep1&type=pdf>). (Λίστες: Scholar Google, CiteSeer^x)**
- A12. C. Koutsojannis, G. Beligiannis, I. Hatzilygeroudis and C. Papavlasopoulos, “Using a Hybrid AI Approach for Exercise Difficulty Level Adaptation”, *International Journal of Continuing Engineering Education and Life-Long Learning (IJCEELL)*, Vol. 17, No. 4/5, pp. 256-272, 2007, (published by Inderscience Publishers bimonthly). (http://www.inderscience.com/search/index.php?action=record&rec_id=15042&prev_Query=&ps=10&m=or). (Λίστες: Scopus, Scholar Google)**
- A13. Grigorios N. Beligiannis, Charalampos N. Moschopoulos, Georgios P. Kaperonis and Spiridon D. Likothanassis, “Applying evolutionary computation to the school timetabling problem: The Greek case”, *Computers & Operations Research Journal*, 35 (4), pp. 1265-1280, 2008 (published by Elsevier Science monthly, Impact Factor 2008: 1.366, [doi:10.1016/j.cor.2006.08.010](https://doi.org/10.1016/j.cor.2006.08.010)). (Λίστες: ISI, Scopus, DBLP, Scholar Google)**

- A14. Grigorios N. Beligiannis, Charalampos N. Moschopoulos and Spiridon D. Likothanassis, "A Genetic Algorithm Approach to School Timetabling", *Journal of the Operational Research Society*, **60**(1), 23-42, 2009 (published by Palgrave Macmillan monthly, Impact Factor 2009: 1.009, <http://www.jstor.org/discover/10.2307/20202263?uid=39895&uid=3738128&uid=2129&uid=2&uid=70&uid=3&uid=39894&uid=67&uid=5911304&uid=62&sid=21104361836683>). (Λίστες: ISI, Scopus, DBLP, ABS, Scholar Google)
- A15. Konstantinos Theofilatos, Grigorios Beligiannis and Spiridon Likothanassis, "Combining Evolutionary and Stochastic Gradient Techniques for System Identification", *Journal of Computational and Applied Mathematics*, **227**(1), pp. 147-160, May 2009 (published by Elsevier monthly, Impact Factor 2009: 1.292, [doi:10.1016/j.cam.2008.07.014](http://doi.org/10.1016/j.cam.2008.07.014)). (Λίστες: ISI, Scopus, Scholar Google)
- A16. Nikolaos Spanoudakis, Konstantina Pendaraki and Grigorios Beligiannis, "Portfolio Construction Using Argumentation and Hybrid Evolutionary Forecasting Algorithms", *International Journal of Hybrid Intelligent Systems (IJHIS)*, **6**(4), pp. 231-243, 2009, (published by IOS Press, quarterly, <http://iospress.metapress.com/content/2475582466510147/>). (Λίστες: DBLP, Scholar Google)
- A17. A. G. Toutouzis and G. N. Beligiannis, "Analysis, Design and Development of an Information System for the Calculation and Management of a Company's Cash Flow", *HELLENIC OPEN UNIVERSITY JOURNAL OF INFORMATICS – HOUJOI*, Vol 2, No 1, pp. 16-42, 2009, (published by Hellenic Open University, annually, <http://nefeli.dsmc.eap.gr/ojs-2.1.1/index.php/HOUJOI/article/viewFile/25/17>). (Λίστες: Scholar Google)
- A18. Giotopoulos K., Alexakos C., Beligiannis G, and Stefani A. "Bringing AI to E-learning: the case of a modular, highly adaptive system", *International Journal of Information and Communications Technology Education (IJICTE)*, **6**(2), pp. 24-35, 2010, (published by IGI Global, quarterly, <http://www.igi-global.com/article/bringing-learning-case-modular-highly/42139>). (Λίστες: Scopus, Scholar Google)
- A19. Aglaia Liopa-Tsakalidi, Dimitrios Savvas, Grigorios Beligiannis, "Modelling the Richards Function using Evolutionary Algorithms on the effect of electrical conductivity of nutrient solution on zucchini growth in hydroponic culture", *Simulation Modelling Practice and Theory*, **18**(9), pp. 1266-1273, 2010 (published by Elsevier monthly, Impact Factor 2010: 0.799, <http://www.sciencedirect.com/science/article/pii/S1569190X1000081X>). (Λίστες: ISI, Scopus, Scholar Google)
- A20. Aglaia Liopa-Tsakalidis, S. KONSTANTINIDOU-DOLTSINIS, G. N. BELIGIANNIS, "Studying the Effect of Fungicides on Tomato Plant Growth Using Richards' Function and Evolutionary Algorithms", *Journal of Information Technology in Agriculture*, special issue on Selected Papers from ITAFTE 10 Conference, Vol 4, No 1, 2011 (ISSN: 1546-959X), (<http://www.jitag.org/ojs/index.php/jitag/article/view/125>). (Λίστες:

- A21.** Vassilios D. Papadopoulos, Grigorios N. Beligiannis, Dimitra G. Hela, “Combining experimental design and artificial neural networks for the determination of chlorinated compounds in fish using matrix solid-phase dispersion”, *Applied Soft Computing*, **11**(8), pp. 5155-5164, 2011, (published by Elsevier monthly, Impact Factor 2011: 2.612, <http://www.sciencedirect.com/science/article/pii/S1568494611002043>). (Λίστες: ISI, Scopus, Scholar Google)
- A22.** Ioannis X. Tassopoulos, Grigorios N. Beligiannis, “Solving effectively the school timetabling problem using particle swarm optimization”, *Expert Systems with Applications*, **39**(5), pp. 6029-6040, 2012 (published by Elsevier monthly, Impact Factor 2012: 1.854, <http://www.sciencedirect.com/science/article/pii/S0957417411016848>). (Λίστες: ISI, Scopus, Scholar Google)
- A23.** Moschopoulos C, Beligiannis G, Likothanassis S, Kossida S, “[Using a genetic algorithm and markov clustering on protein-protein interaction graphs](http://www.igi-global.com/article/using-genetic-algorithm-markov-clustering/67105)”, *International Journal of Systems Biology and Biomedical Technologies (IJSBBT)*, **1**(2), 35-47, 2012, (<http://www.igi-global.com/article/using-genetic-algorithm-markov-clustering/67105>). (Λίστες: Scholar Google)
- A24.** Ioannis X. Tassopoulos, Grigorios N. Beligiannis, “Using particle swarm optimization to solve effectively the school timetabling problem”, *Soft Computing*, **16**(7), pp. 1229-1252, 2012 (published by Springer monthly, Impact Factor 2012: 1.124, <http://link.springer.com/article/10.1007%2Fs00500-012-0809-5#page-1>). (Λίστες: ISI, Scopus, Scholar Google)
- A25.** Ioannis X. Tassopoulos, Grigorios N. Beligiannis, “A hybrid particle swarm optimization based algorithm for high school timetabling problems”, *Applied Soft Computing*, **12**(11), pp. 3472-3489, 2012 (published by Elsevier monthly, Impact Factor 2012: 2.140, <http://www.sciencedirect.com/science/article/pii/S1568494612002876>). (Λίστες: ISI, Scopus, Scholar Google)
- A26.** Solos, I.P., Tassopoulos, I.X., Beligiannis, G.N. A Generic Two-Phase Stochastic Variable Neighborhood Approach for Effectively Solving the Nurse Rostering Problem. *Algorithms* 2013, **6**, 278-308, <http://www.mdpi.com/1999-4893/6/2/278>). (Λίστες: Scopus, Scholar Google)
- A27.** Panagiotis N. Kechagiopoulos and Grigorios N. Beligiannis, “Solving the urban transit routing problem using a particle swarm optimization based algorithm”, *Applied Soft Computing*, **12**, pp. 654-676, 2014 (published by Elsevier monthly, Impact Factor 2014: 2.810, <http://www.sciencedirect.com/science/article/pii/S1568494614001689>), (Λίστες: ISI, Scopus, Scholar Google).
- A28.** Ioannis X. Tassopoulos, Ioannis P. Solos and Grigorios N. Beligiannis, “A two-phase adaptive variable neighborhood approach for nurse rostering”, *Computers & Operations Research Journal*, **60**, pp. 150-169, 2015 (published by Elsevier Science monthly, Impact Factor 2014: 1.718, [doi:10.1016/j.cor.2015.02.009](https://doi.org/10.1016/j.cor.2015.02.009)). (Λίστες: ISI, Scopus, DBLP, Scholar Google)

- A29. Katsaragakis I.V., Tassopoulos, I.X., Beligiannis, G.N., “A Comparative Study of Modern Heuristics on the School Timetabling Problem”, *Algorithms* 2015, 8, 723-742, <http://www.mdpi.com/1999-4893/8/3/723/pdf>. (Λίστες: Scopus, Emerging Sources Citation Index (ESCI - Web of Science, Scholar Google)
- A30. Solos, I.P., Tassopoulos, I.X. and Beligiannis, G.N., “An Effective Stochastic Variable Neighbourhood Approach to Shift Scheduling for Tank Trucks”, *International Journal of Artificial Intelligence*, 14(1), pp. 1-26, 2016. (Λίστες: Scopus, Scholar Google)
- A31. Skoullis, V.I., Tassopoulos, I.X., Beligiannis, G.N., “Solving the high school timetabling problem using a hybrid cat swarm optimization based algorithm”, *Applied Soft Computing*, 52, pp. 277-289, 2017 (published by Elsevier monthly, Impact Factor 2017: 3.907. (Λίστες: ISI, Scopus, Scholar Google)
- A32. Mitsos, B., Beligiannis, G.N., “An overview of food businesses in the Western Greece and the extent to which they use information systems”, *International Journal of Sustainable Agricultural Management and Informatics*, 4(1), pp. 23-32, 2018. (Λίστες: Scopus, Scholar Google)
- A33. Pliakoura, A, Beligiannis, G and Kontogeorgos, A, “Mobile Device Applications Usability Assessment: The example of an Agricultural Management Application”, *Journal of Agricultural Informatics* (ISSN 2061-862X), Vol. 9, No. 3:55-64, 2018.
- A34. Bill Mitsos, Achilleas Kontogeorgos, Grigorios Beligiannis, “Information systems and software used by food businesses in Western Greece”, *International Journal of Business Continuity and Risk Management*, 9(2), pp. 153-170, 2019, DOI: 10.1504/IJBCRM.2019.098805. (Λίστες: Scopus, Scholar Google)
- A35. Hera Antonopoulou, Constantinos Halkiopoulos, Olympia Barlou, Grigorios N. Beligiannis, “Transition from Educational Leadership to e-Leadership: A Data Analysis Report from TEI of Western Greece”, *International Journal of Learning, Teaching and Educational Research*, 18(9), pp. 238-255, 2019. (Λίστες: Scopus, Scholar Google)
- A36. Christina Iliopoulou, Ioannis Tassopoulos, Konstantinos Kepaptsoglou and Grigorios Beligiannis, “Electric Transit Route Network Design Problem: Model and Application”, *Transportation Research Record*, 2673(8), pp. 264-274, 2019. (Λίστες: Scopus, Scholar Google)
- A37. Α. Πλιακούρα Α., Μπεληγιάννης Γ., Κοντογεώργος Α., «Το Αγροτικό Συνεταιριστικό Μοντέλο Επιχειρηματικότητας Μέσα από τη Διεθνή Βιβλιογραφία», *Κοινωνική Οικονομία*, ISSN 2407-9626, Τεύχος 18, Δεκέμβριος 2019.
- A38. Alexandra Pliakoura, Grigorios Beligiannis, Achilleas Kontogeorgos “Use and Satisfaction with Integrated Learning Management Systems: The case of the Greek Open eClass”, *International Journal of Innovation in Education*, 6(2) 2020. (Λίστες: Scholar Google)

- A39. Ioannis X. Tassopoulos, Christina A. Iliopoulou and Grigorios N. Beligiannis, "Solving the Greek school timetabling problem by a Mixed Integer Programming model", *Journal of the Operational Research Society*, 71(1), pp. 117-132, 2020. (Λίστες: ISI, Scopus, DBLP, ABS, Scholar Google)**
- A40. Hera Antonopoulou, Constantinos Halkiopoulos, Olympia Barlou, Grigorios N. Beligiannis, "Leadership types and digital leadership in higher education: behavioural data analysis from University of Patras in Greece", *International Journal of Learning, Teaching and Educational Research*, 19(4), pp. 110-129, 2020. (Λίστες: Scopus, Scholar Google)**
- A41. Iosif V. Katsaragakis, Ioannis X. Tassopoulos, Grigorios N. Beligiannis, "Solving the Urban Transit Routing Problem Using a Cat Swarm Optimization-Based Algorithm", *Algorithms* 2020, 13(9), 223; doi:10.3390/a13090223. (Λίστες: Scopus, Emerging Sources Citation Index ESCI - Web of Science, Scholar Google)**
- A42. Vasillios Mitsos, Gregory Beligiannis, "The effect of information systems on performance, profitability, and growth of food industries of Greece", *International Journal of Social Science and Economic Research*, 5(9), pp. 2463-2479, 2020. (Λίστες: Scholar Google)**
- A43. Pliakoura, A., Beligiannis, G. and Kontogeorgos, A., "Education in agricultural entrepreneurship: training needs and learning practices", *Education and Training*, 62(7/8), pp. 723-739, 2020, <https://doi.org/10.1108/ET-04-2020-0095>. (Λίστες: ISI, Scopus, Scholar Google)**
- A44. Vasileios Mitsos, Grigorios Beligiannis and Evaggelos Mosxolouris, "Unemployment and subsidized unemployment in the wider area of Agrinio in Western Greece", *International Journal of Social Science and Economic Research*, 6(6), pp. 1614-1634, 2021. (Λίστες: Scholar Google)**
- A45. Antonopoulou, H., Halkiopoulos, C., Barlou, O., Beligiannis, G.N., "Transformational leadership and digital skills in higher education institutes: During the covid-19 pandemic", *Emerging Science Journal*, 5(1), pp. 1-15, 2021. (Λίστες: Scopus, Scholar Google)**
- A46. Antonopoulou, H., Halkiopoulos, C., Barlou, O., Beligiannis, G.N., "Associations between traditional and digital leadership in academic environment: During the COVID-19 pandemic", *Emerging Science Journal*, 5(4), pp. 405-428, 2021. (Λίστες: Scopus, Scholar Google)**
- A47. Pliakoura, A.P., Beligiannis, G., Kontogeorgos, A. and Chatzitheodoridis F., Farmers' Perception of Entrepreneurial Success: Evidence from the Greek Reality, *Agriculture*, 11(12), 1192, 2021, <https://doi.org/10.3390/agriculture11121192> (Λίστες: Scopus, Emerging Sources Citation Index ESCI - Web of Science, Scholar Google)**
- A48. Pliakoura, A.P., Beligiannis, G., Kontogeorgos, A., "Significant barriers to the adoption of**

the agricultural cooperative model of entrepreneurship: a literature review", *International Journal of Social Economics*, 49(1), pp. 1-20, 2022. (Λίστες: Scopus, Scholar Google)

- A49.** Pliakoura, A.P., Beligiannis, G.N., Chatzitheodoridis, F., Kontogeorgos, A., "The impact of locus of control and motivations in predicting entrepreneurial intentions among farmers: a field research", *Journal of Agribusiness in Developing and Emerging Economies*, 12(2), pp. 183-203, 2022. (Λίστες: Scopus, Scholar Google)
- A50.** Dimitris C. Gkikas, Prokopis K. Theodoridis, Grigorios N. Beligiannis, "Enhanced Marketing Decision Making for Consumer Behaviour Classification Using Binary Decision Trees and a Genetic Algorithm Wrapper", *Informatics* 2022, 9, 45.
- A51.** Iliopoulou, C., Tassopoulos, I., Beligiannis, G., "A Variable Neighbourhood Search-Based Algorithm for the Transit Route Network Design Problem", *Appl. Sci.* 2022, 12, 10232.
- A52.** Ioannis X. Tassopoulos, Christina A. Iliopoulou, Iosif V. Katsaragakis and Grigorios N. Beligiannis, "An Effective Local Particle Swarm Optimization-Based Algorithm for Solving the School Timetabling Problem", *Algorithms*, 2023, 16(6), 291.
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- A55.** Konstantinos G. Megalooikonomou and Grigorios N. Beligiannis, "Random Forests Machine Learning Applied to PEER Structural Performance Experimental Columns Database", *Appl. Sci.* 2023, 13(23), 12821.
- A56.** Alexandra Pliakoura, Grigorios Beligiannis, Athanasia Mavrommat and Achilleas Kontogeorgos, "Agricultural entrepreneurship research: challenges and sustainable development issues", *AGRICULTURAL ECONOMICS REVIEW*, 2024 Vol 25, No 1.
- A57.** Vasileios Kourepinis, Christina Iliopoulou, Ioannis Tassopoulos, Grigorios Beligiannis, "An artificial fish swarm optimization algorithm for the urban transit routing problem", *Applied Soft Computing*, Volume 155, April 2024, 111446.
- A58.** Aroniadi, Chrysanthi, and Grigorios N. Beligiannis, "Solving the Fuzzy Transportation Problem by a Novel Particle Swarm Optimization Approach" *Applied Sciences*, 2024, 14(13), 5885.
- A59.** Pliakoura, A., Beligiannis, G.N., Mavrommati, A., Kontogeorgos, A., "Strengths and weaknesses for the young farmers to abide in the Greek countryside: a triangulation approach", *Journal of Agribusiness in Developing and Emerging Economies*, 14(4), pp. 733-748, 2024.

- A60. Pliakoura, A., Beligiannis, G.N., Mavrommati, A., Kontogeorgos, A., “Exploring the determinants of young agripreneurs' success toward sustainable agriculture: a regression approach”, *Management and Sustainability*, 3(4), pp. 462-483, 2024.
- A61. Alexandros Zervas, Christina Iliopoulou, Ioannis Tassopoulos, Grigorios Beligiannis, “Solving large-scale instances of the urban transit routing problem with a parallel artificial bee colony-hill climbing optimization algorithm”, *Applied Soft Computing*, Volume 167, December 2024, 112335.
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