Curriculum Vitae

# Konstantinos Zervoudakis




- Academic Rank: Assistant Professor
- Subject Area: Artificial Intelligence (AI) with emphasis on Marketing and Communication
- Department: Department of Marketing and Communication
- Institution: Athens University of Economics and Business
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- Profiles:


## I. EDUCATION

- 2022: **Ph.D.**, Technical University of Crete, Chania, Greece, School of Production Engineering and Management. Doctoral Dissertation: "*Multi-objective algorithms for optimal product line design*". https://doi.org/10.26233/heallink.tuc.91332 / https://dx.doi.org/10.12681/eadd/50993

- 2018: **M.Sc.** in Production Engineering and Management (Specialization in Operations Research), Technical University of Crete, Chania, Greece, School of Production Engineering and Management. Master's Thesis: "*Application of metaheuristic algorithms for designing an optimal line of school bags"*. https://doi.org/10.26233/heallink.tuc.72678

- 2014: **B.Sc.** in Mathematics, University of Crete, Heraklion, Greece, School of Sciences and Technology, Department of Mathematics.

## II. PUBLICATIONS

### i. Academic Journal Papers

**20.** Ansari, M. Z., Saini, N., Zervoudakis, K., Oliva, D., & Pérez-Cisneros, M. (2026). MPLUM: A LLM-Assisted Multi-Objective Prompt Learning for High-Quality English–Urdu Summarization. *IEEE Access*, 1–1. https://doi.org/10.1109/ACCESS.2026.3666211 (I.F.: 3.6).

**19.** Singh, A., Saini, N., Zervoudakis, K., & Tiwari, V. K. (2026). PULSE: A Multi-stage Artificial Intelligence Framework for Analyzing Vaccine Hesitancy on Twitter using Particle Swarm Optimization and Large Language Models. *Swarm and Evolutionary Computation*, *100*, 102218. https://doi.org/10.1016/J.SWEVO.2025.102218 (I.F.: 8.5).

**18.** Zervoudakis, K., & Tsafarakis, S. (2025). Customer segmentation using flying fox optimization algorithm. *Journal of Combinatorial Optimization*, *49*(1), 1–20. https://doi.org/10.1007/S10878-024-01243-6 (I.F.: 1.1, ABS: 2).

**17.** Belagoune, S., Zervoudakis, K., Baadji, B., Karim, A., & Bali, N. (2025). Reliability-based preventive maintenance scheduling in power generation systems: A lévy flight and chaotic local search-based discrete mayfly algorithm. *Computers and Electrical Engineering*, *121*, 109904. https://doi.org/10.1016/J.COMPELECENG.2024.109904 (I.F.: 4.9).

**16.** Shaikh, M. S., Zheng, G., Wang, C., Wang, C., Dong, X., & Zervoudakis, K. (2024). A classification system based on improved global exploration and convergence to examine student

psychological fitness. *Scientific Reports*, *14*(1), 1–22. https://doi.org/10.1038/s41598-024-78781-w (I.F.: 3.9).

**15.** Kyriakidis, A., Zervoudakis, K., Krassadaki, E., & Tsafarakis, S. (2024). Exploring the Impact of ICT on Higher Education Teaching During COVID-19: Identifying Barriers and Opportunities Through Advanced Text Analysis on Instructors' Experiences. *Journal of the Knowledge Economy*, 1–31. https://doi.org/10.1007/S13132-024-02346-5 (ABS: 1).

**14.** Zervoudakis, K., & Tsafarakis, S. (2024). Fuzzy Self-tuning Bees Algorithm for designing optimal product lines. *Applied Soft Computing*, 167, 112228. https://doi.org/10.1016/J.ASOC.2024.112228 (I.F.: 6.6).

**13.** Mastrothanasis, K., Zervoudakis, K., & Kladaki, M. (2024). An application of Computational Intelligence in group formation for digital drama education. *Iran Journal of Computer Science*, 7(3), 551–563. https://doi.org/10.1007/S42044-024-00186-9

**12.** Zervoudakis, K., Mastrothanasis, K., Tsafarakis, S., Krassadaki, E., & Kyriakidis, A. (2023). Evaluating Principals' Satisfaction with Selection Processes in Second Chance Schools: A Multicriteria Approach. *Journal of the Knowledge Economy*, 1–27. https://doi.org/10.1007/S13132-023-01392-9 (ABS: 1).

**11.** Mastrothanasis, K., Zervoudakis, K., Kladaki, M. & Tsafarakis, S. (2023). A bio-inspired computational classifier system for the evaluation of children's theatrical anxiety at school. *Education and Information Technologies*. https://doi.org/10.1007/s10639-023-11645-4 (I.F.: 5.4).

**10.** Zervoudakis, K., & Tsafarakis, S. (2023). A global optimizer inspired from the survival strategies of flying foxes. *Engineering with Computers*, *39*, 1583–1616. https://doi.org/10.1007/s00366-021-01554-w (I.F.: 4.9).

**9.** Pantourakis, M., Tsafarakis, S., Zervoudakis, K., Altsitsiadis, E., Andronikidis, A., & Ntamadaki, V. (2022). Clonal Selection Algorithms for Optimal Product Line Design: A Comparative Study. *European Journal of Operational Research*, 298(2), 585–595. https://doi.org/10.1016/J.EJOR.2021.07.006 (I.F.: 6.0, ABS: 4).

**8.** Tsafarakis, S., Zervoudakis, K., & Andronikidis, A. (2022). Optimal product line design using Tabu Search. *Journal of the Operational Research Society*, *73*(9), 2104–2115. https://doi.org/10.1080/01605682.2021.1954486 (I.F.: 2.7, ABS: 3).

**7.** Mastrothanasis, K., Zervoudakis, K., & Xafakos, E. (2021). Secondary special education teachers' beliefs towards their teaching self-efficacy. *Preschool and Primary Education*, *9*(1), 28–51. https://doi.org/10.12681/ppej.24646

**6.** Zervoudakis, K., & Tsafarakis, S. (2020). A mayfly optimization algorithm. *Computers & Industrial Engineering*, *145*, 106559. https://doi.org/10.1016/j.cie.2020.106559 (I.F.: 6.5, ABS: 2).

**5.** Tsafarakis, S., Zervoudakis, K., Andronikidis, A., & Altsitsiadis, E. (2020). Fuzzy self-tuning differential evolution for optimal product line design. *European Journal of Operational Research*, *287*(3), 1161–1169. https://doi.org/10.1016/j.ejor.2020.05.018 (I.F.: 6.0, ABS: 4).

**4.** Mastrothanasis, K., Zervoudakis, K., & Koulianou, M. (2020). Detection of Learning Disabilities by Teachers (AMDE): Description and utilization of a psychometric scale for investigating learning disabilities [in Greek]. Education & Sciences, 1, 16–19.

**3.** Zervoudakis, K., Mastrothanasis, K., & Tsafarakis, S. (2019). Forming automatic groups of learners using particle swarm optimization for applications of differentiated instruction. *Computer Applications in Engineering Education*, *28*(2), 282–292. https://doi.org/10.1002/cae.22191 (I.F.: 2.2).

**2.** Zervoudakis, K., Mastrothanasis, K., & Kalovrektis, K. (2019). Evolutionary optimization algorithms for the problem of forming student groups for differentiated instruction in education [in Greek]. Education & Sciences, 2, 13–20.

**1.** Mastrothanasis, K., Geladari, A., Zervoudakis, K., & Strakalis, P. (2018). Primary school pupils' strategies for mental addition and subtraction computations. *International Journal of Education and Research*, 6(8), 43 – 56. (ISSN: 2411-5681). https://www.ijern.com/journal/2018/August-2018/04.pdf

### ii. Chapters in Edited Volumes

**4.** Mastrothanasis, K., Kladaki, M., Alexopoulos, P., & Zervoudakis, K. (2025). Special education teachers' self-efficacy in utilizing Generative Artificial Intelligence applications in creative expression and arts classes [in Greek]. In P. Kosmas & S. Nikolidakis (Eds.), New Technologies in Special and Inclusive Education (pp. 507–536). Grigori.

**3.** Mastrothanasis, K., Zervoudakis, K., & Kladaki, M. (2025). *Optimizing group dynamics with computational intelligence in digital drama pedagogy.* In I. Spantidakis, K. Dinas, V. Chatzinikita, & E. Griva (Eds.), *Language, Education and Artificial Intelligence* (pp. 927–938). University of Crete. (ISBN: 978-618-87604-2-4).

**2.** Mastrothanasis, K., Darra, M., Zervoudakis, K., Kladaki, M., & Tsafarakis, S. (2023). Evaluating trainees' satisfaction using multicriteria analysis: The case of a distance training program in drama education [in Greek]. In M. Kladaki & K. Mastrothanasis (Eds.), Emerging Technologies and Converging Practices in Applied Theatre and Drama in Education (pp. 225–250). Gutenberg. (ISBN: 978-960-01-2431-6).

**1.** Zervoudakis K., Tsafarakis S., Paraskevi-Panagiota S. (2020) A New Hybrid Firefly – Genetic Algorithm for the Optimal Product Line Design Problem. In: Matsatsinis N., Marinakis Y., Pardalos P. (eds) *Learning and Intelligent Optimization. LION 2019. Lecture Notes in Computer Science*, (pp. 284-297), vol 11968. Springer, Cham. ISBN: 978-3-030-38629-0. https://doi.org/10.1007/978-3-030-38629-0_23

### iii. Peer-Reviewed Conference Proceedings

**9.** Zervoudakis K., Baltas G., & Tsafarakis S., (2026). Uncovering drivers of supermarket satisfaction: an explainable machine learning approach. In M. Haenlein, K. Sudhir, & E. Veresiu (Eds.), *Proceedings of the 2026 AMA Winter Academic Conference*, (pp. 971-982). (ISBN-13: 978-0-87757-028-8). Link.

**8.** Zervoudakis K., Tsafarakis S., & Baltas G., (2026). Many-Objective Optimization for Customer Segmentation in Supermarkets. In M. Haenlein, K. Sudhir, & E. Veresiu (Eds.), *Proceedings of*

*the 2026 AMA Winter Academic Conference*, (pp. 913-924). (ISBN-13: 978-0-87757-028-8). Link.

**7.** Tsafarakis S., & Zervoudakis K. (2021). Optimal Product Line Re-Design for Reducing Food Wasted due to Marketing Standards. In G.K.D. Saharidis (Ed.), *Proceedings of the International Conference on "Energy, Sustainability and Climate Crisis" 2024*», (pp. 113-117). ESCC 2024. (ISBN: 978-618-5765-04-0, ISSN 3057-4269). http://escc.uth.gr/wp-content/uploads/2025/01/ESCC-2024_Book-of-Proceedings.pdf.

**6.** Mastrothanasis, K., Zervoudakis, K., Xafakos, E., & Zouganeli, A. (2021). Adaptation and psychometric validation of a scale for assessing the teaching self-efficacy of co-teaching special education teachers [in Greek]. In E. Kantartzi, G. Papadimitriou, & Ch. Kostaris (Eds.), Proceedings of the 5th Panhellenic Conference "Education in the 21st Century: Development of Critical Thinking, Creativity, and Innovation" (Vol. C, pp. 241–252). Museum of School Life and Education (EKEDISY), Hellenic Educational Society, Arsakeia-Tositseia Schools. (ISBN: 978-618-5458-13-3).

**5.** Mastrothanasis, K., Zervoudakis, K., & Kladaki, M. (2021). Detecting high levels of stage fright at students using computational intelligence techniques. In I. Halilova & A. Amanzholova (Eds.), *Full texts book (Vol. 1). 2nd International Hazar Scientific Researches Conference* (pp. 570–584). 10-12 April, Khazar University, IKSAD GLOBAL.

**4.** Zervoudakis, K., & Mastrothanasis, K. (2020). Forming student groups for differentiated instruction applications in mathematics using Differential Evolution algorithm [in Greek]. In G. Koutromanos & L. Galani (Eds.), Proceedings of the 6th Panhellenic Scientific Conference "Integration and Use of ICT in the Educational Process" (pp. 560–569). Hellenic Scientific Association of Information and Communication Technologies in Education (ETPE) & Department of Primary Education, National and Kapodistrian University of Athens. (ISBN: 978-618-83186-4-9).

**3.** Mastrothanasis, K., & Zervoudakis, K. (2018). Primary school pupils' mental addition and subtraction computation strategies for two-digit numbers [in Greek]. In Sp. Pantazis, E. Maraki, et al. (Eds.), Proceedings of the 4th Panhellenic Scientific Conference "Democracy, Rights, and Inequalities in Times of Crisis: Challenges in Research and Education" (Vol. II, pp. 437–444). Institute of Humanities and Social Sciences (IAKE). (ISBN: 978-618-84507-0-7).

**2.** Mastrothanasis, K., Zouganeli, A., & Zervoudakis, K. (2017). Teacher professional development in mathematics education through online learning communities and its effect on student performance in mental addition computations [in Greek] [Awarded Paper]. In Sp. Pantazis, E. Maraki, et al. (Eds.), Proceedings of the 3rd Panhellenic Scientific Conference "Humanities, Education, Society, and Civic Education" (Vol. II, pp. 409–418). Institute of Humanities and Social Sciences (IAKE). (ISBN: 978-618-81896-1-4).

**1.** Mastrothanasis, K., Katsifi-Charalampidi, Sp., & Zervoudakis, K. (2017). Online communities for distance teacher training and their impact on primary school students' learning performance in mental subtraction computations [in Greek]. In K. Papanikolaou, A. Gogoulou, D. Zymbidis, et al. (Eds.), Proceedings of the 5th Panhellenic Scientific Conference "Integration and Use of ICT in the Educational Process" (pp. 990–996). School of Pedagogical and Technological Education (ASPETE). (ISSN: 2529-0924, ISBN: 978-618-83186-0-1).

### iv. Books

**1.** Zervoudakis, K., Baltas, G., & Tsafarakis, S. (2026). Artificial Intelligence in Marketing and Communication [in Greek]. Athens: Pedio.

## III. CONFERENCE PRESENTATIONS

**31.** Zervoudakis, K., Baltas G., & Tsafarakis, S., «*Individual-Level Satisfaction Drivers in Retailing: An Explainable Machine Learning Approach*». Fourth International Scientific Conference INOEK 2026. Hellenic Scientific Institute: Economics Of Education & Life Long Learning, Of Research & Innovation and Athens University of Economics and Business (Department of Accounting and Finance). September 25–26, 2026. Athens, Greece.

**30.** Zervoudakis, K., Baltas G., & Tsafarakis, S., «*The Platform as a Distributed Sales Force: Identifying Value-Risk Typologies in Short-Term Rental Platforms Using Clustering*». Ninth Biennial Conference on Enhancing Sales Force Productivity. Texas A&M University (USA) and Democritus University of Thrace (Greece). May 25–27, 2026. Thessaloniki, Greece.

**29.** Zervoudakis, K., Baltas G., & Tsafarakis, S., «*From Customer Satisfaction to Sales Actions Using Explainable Machine Learning*». Ninth Biennial Conference on Enhancing Sales Force Productivity. Texas A&M University (USA) and Democritus University of Thrace (Greece). May 25–27, 2026. Thessaloniki, Greece.

**28.** Zervoudakis, K., Baltas G., & Tsafarakis, S., «*How Interpretable Machine Learning Reveals Retail Street Types*». 48th ISMS Marketing Science Conference. The Nova School of Business & Economics. 11-13 June 2026. Carcavelos, Portugal.

**27.** Zervoudakis, K., Baltas G., & Tsafarakis, S., «*Uncovering drivers of supermarket satisfaction: an explainable machine learning approach*». AMA Winter Academic Conference 2026. American Marketing Association. 9, 13-15 February 2026. Madrid, Spain.

**26.** Zervoudakis, K., Tsafarakis, S., & Baltas G., «*Many-Objective Optimization for Customer Segmentation in Supermarkets*». AMA Winter Academic Conference 2026. American Marketing Association. 9, 13-15 February 2026. Madrid, Spain.

**25.** Zervoudakis, K., & Tsafarakis, S. «*Combining explainable machine learning with multiobjective optimization for simultaneous hyperparameter and feature selection in marketing prediction tasks*». HELORS 2025: 10th International Symposium and 32nd National Conference on Operational Research. Technical University of Crete. 20-22 November 2025. Chania, Greece.

**24.** Zervoudakis, K., & Tsafarakis, S. «*Explainable Optimized Machine Learning for Predicting Customer Churn*». UK Workshop on Computational Intelligence (UKCI) 2025. Edinburgh Napier University. 3-5 September 2025. Merchiston Campus.

**23.** Zervoudakis, K., & Tsafarakis, S. «*Explainable Machine Learning for Predicting Maritime Fuel Consumption and $CO_2$ Emissions with Minimized Computational Cost*». UK Workshop on Computational Intelligence (UKCI) 2025. Edinburgh Napier University. 3-5 September 2025. Merchiston Campus.

**22.** Zervoudakis, K., & Tsafarakis, S. «*Explainable and Optimized Machine Learning Model for Forest Cover Classification Using Geospatial Data, Mayfly Optimization, and SHAP Analysis*». BUILD BACK BETTER THE SELF-MADE CITIES (B3SMC): Actions for Formalizing Informal Constructions & Improving the Geospatial Ecosystems, Land Tools & Land Policies. A joint Conference with UNECE WPLA & REM, FIG Com 3 & FIG Com 9, EGoS, World Bank. 18-22 June 2025 Athens & Santorini, Greece.

**21.** Tsafarakis, S & Zervoudakis, K., «*Optimal Product Line Re-Design for Reducing Food Wasted Due to Marketing Standards*». 11th International Conference on Energy, Sustainability and Climate Crisis: ESCC 2024. 26-30 August 2024. Ionian University. Corfu, Greece.

**20.** Tsoulakos, N., Pantouvakis, A., & Zervoudakis, K., «*Assessing the influence of digitalization on marine accidents: a case study of a bulk carrier shipping company»*. Annual Conference of the International Association of Maritime Economists: IAME. 26-28 June 2024. Fundación Valenciaport, University of Valencia, Valenciaport. Valencia, Spain.

**19.** Pantouvakis, A., Tsoulakos, N., & Zervoudakis, K., «*The Impact of Digitalisation on Preventing Maritime Accidents»*. 12th International Forum on Shipping, Ports, and Airports (IFSPA). 10-14 June 2024. School of Civil and Environmental Engineering at the Nanyang Technological University together with the C.Y. Tung International Centre for Maritime Studies at The Hong Kong Polytechnic University. Singapore.

**18.** Zervoudakis K., Mastrothanasis K., & Kladaki M., *«Optimizing group dynamics with computational intelligence in digital drama pedagogy».* International Conference «LANGUAGE, EDUCATION AND ARTIFICIAL INTELLIGENCE», 10-12 May 2024. Rethymnon, Crete, Greece.

**17.** *«Exploring The Impact of ICT in Greek HEIs During COVID-19».* «34th Spanish Association of Academic and Professional Marketing (AEMARK) Conference», 6-8 September 2023. Madrid, Spain.

**16.** *«Addressing The Combinatorial Problem of Product Line Design Using Many-Objective Optimization».* «34th Spanish Association of Academic and Professional Marketing (AEMARK) Conference», 6-8 September 2023. Madrid, Spain.

**15.** *«Designing product lines for responsible consumption and production using a bi-objective nature-inspired algorithm».* «13th Conference on Extreme Value Analysis, Probabilistic and Statistical Models and their Applications», 26–30 JUNE 2023. Bocconi University, Milano, Italy.

**14.** *«Addressing The Combinatorial Problem Of Product Line Design Using Many-Objective Optimization».* «ECCO XXXVI CONFERENCE 2023», 11-14 May 2023. Chania, Greece.

**13.** *«Customer Segmentation using flying fox optimization algorithm».* «EWG-DSS 8th International Conference on Decision Support System Technology (ICDSST 2022)», 23-25 May 2022. Thessaloniki, Greece.

**12.** *«Addressing the product line design problem using a bi-objective Mayfly optimization algorithm».* «Multiple Objective Programming and Goal Programming (MOPGP 2021)», 14th December 2021. France.

**11.** *«Multi-objective Optimization for Product Line Design».* «31st European Conference on Operational Research (EURO 2021)», 11-14 July 2021. Athens, Greece.

**10.** *«A flying fox algorithm for global optimization».* «EWG-DSS 7th International Conference on Decision Support System Technology (ICDSST 2021)», 26-28 May 2021. Baku, United Kingdom: Loughborough University.

**9.** *«Detecting High Levels of Stage Fright at Students using Computational Intelligence Techniques».* «International Hazar Scientific Researches Conference - II», 10 – 12 April, 2021. Baku, Azerbaijan: Khazar University.

**8.** *"Adaptation and psychometric validation of a scale for assessing the teaching self-efficacy of co-teaching special education teachers" [in Greek]. 5th Panhellenic Conference "Education in the 21st Century: Development of Critical Thinking, Creativity, and Innovation", NKUA, September 25–27, Athens, Greece*.

**7.** *"Forming student groups for differentiated instruction applications in mathematics using Differential Evolution algorithm*" [in Greek]. 6th Panhellenic Scientific Conference "Integration and Use of ICT in the Educational Process", NKUA & ETPE, October 18–20, Athens, Greece.

**6.** *"Educational scenario: "Building spaceships" [in Greek]. 5th International Conference "Promoting Educational Innovation", Scientific Association for the Promotion of Educational Innovation, October 11–13, Larissa, Greece*.

**5.** *"A new hybrid Firefly – Genetic Algorithm for the optimal product line design problem".* 13th LION – Learning and Intelligent OptimizatioN Conference, May 27 – 31, 2019. Chania, Crete, Greece: Technical University of Crete, School of Production Engineering and Management, Decision Support Systems Laboratory.

**4.** *"A new Mayfly optimization algorithm".* 13th LION – Learning and Intelligent OptimizatioN Conference, May 27 – 31, 2019. Chania, Crete, Greece: Technical University of Crete, School of Production Engineering and Management, Decision Support Systems Laboratory.

**3.** "*Primary school pupils' mental addition and subtraction computation strategies for two-digit numbers*" [in Greek]. 4th Panhellenic Scientific Conference "Democracy, Rights, and Inequalities in Times of Crisis: Challenges in Research and Education", Institute of Humanities and Social Sciences (IAKE), April 27–29, Heraklion, Crete, Greece.

**2.** "*Teacher professional development in mathematics education through online learning communities and its effect on student performance in mental addition computations*" [in Greek] [Awarded Paper]. 3rd Panhellenic Scientific Conference "Humanities, Education, Society, and Civic Education", Institute of Humanities and Social Sciences (IAKE), May 5–7, Heraklion, Crete, Greece.

**1.** "*Online communities for distance teacher training and their impact on primary school students' learning performance in mental subtraction computations*" [in Greek]. 5th Panhellenic Scientific Conference "Integration and Use of ICT in the Educational Process", School of Pedagogical and Technological Education (ASPETE), April 21–23, Athens, Greece.

## IV. IV. HIGHER EDUCATION TEACHING EXPERIENCE

### i. Autonomous University Teaching as Faculty Member (Assistant Professor)

10/2026 – Present: Athens University of Economics and Business (AUEB), Department of Marketing and Communication. Assistant Professor in the subject area of "Artificial Intelligence (AI) with emphasis on Marketing and Communication".

### ii. Teaching in Postgraduate and Academic Programs

- Hellenic Open University (HOU). Adjunct Academic Staff (Tutor), M.Sc. in Innovation Management and Entrepreneurship (IME):
  - [IME53] New Product Development
  - [IME51] Strategic Innovation Management
- Open University of Cyprus (OUC). Adjunct Academic Staff (Tutor), M.Sc. in Cognitive Systems (COS):
  - [COS512] Introduction to Artificial Intelligence (CS, Foundations)
- Athens University of Economics and Business (AUEB). Guest Lecturer, M.Sc. in Marketing Analytics:
  - Seminar: "Applications of Artificial Intelligence in Modern Marketing"
- Technical University of Crete (TUC). Lecturer, M.Sc. in Technology & Innovation Management (MTIM):
  - Marketing Management in Technology Firms
  - Innovation Economics

## V. THESIS SUPERVISION

### i. Supervisor

**4.** Moros, I. (2025). Digital Transformation in the Pharmaceutical Industry: A Systematic Review of Agile and Hybrid Project Management Success Factors for Pharma 4.0. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/241658

**3.** Christopoulou, S. (2025). Assessing Organizational Innovation Capabilities: A Multi-Dimensional Approach to Innovation Readiness. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/224680

**2.** Oikonomou, M. (2025). Innovative Approaches to Anti-Money Laundering and Risk Management in the Gambling Sector: Navigating Compliance Opportunities. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/220088

**1.** Saridakis, A. (2024). Customer Preferences for Staying at a Hotel that Adopts Environmentally Friendly Practices. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/199670

### ii. Co-Supervisor

**12.** Poravou, Ch. (2025). The Diffusion of Biofuels Innovation: Challenges and Opportunities. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://dias.library.tuc.gr/handle/123456789/41515

**11.** Chatzipolitis, D. (2025). The influence of leadership on employee satisfaction and employee performance in Greek businesses. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.104491

**10.** Mavrea, A. (2025). The Green Engine of Growth: Unraveling the impact of ESG, green marketing, R&D investments and sustainable innovation on business expansion. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.104098

**9.** Kouvedaki, S. (2025). Product adaptation management: The case of medical device changes in healthcare institutions. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.103285

**8.** Spiliotopoulou, A. (2025). The business side of architecture : Entrepreneurship and digital transformation. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/218526

**7.** Petri, A. (2025). Nuclear innovations and regulatory adaptation. Opportunities and challenges of regulating Small Modular Reactors (SMRs) in Greece. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/217197

**6.** Kokkalis, A. (2025). Construction supply chain risk: Bow-Tie Analysis of critical material delay. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.102091

**5.** Boukouvala, Th. (2024). Process of an economic and technical audit of industrial enterprise, regarding an upcoming innovation. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.101501

**4.** Chaldaiopoulos, Ch. (2024). Integrating Agile Project Management with Artificial Intelligence: A Paradigm Shift in the Automotive Industry. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/204406

**3.** Chatziathanasiou, A. (2024). Regional Innovation Systems (RIS): a case study for the Region of Central Macedonia. Master Thesis, School of Social Sciences, Hellenic Open University. https://apothesis.eap.gr/archive/item/208212

**2.** Balampanis, K. (2024). Emotional leadership and decision making: How can emotional leadership deal with behavioral traps in decision making. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.100611

**1.** Samara, M. (2024). Start-ups' Challenges and Success Factors. Master Thesis, School of Production Engineering and Management, Technical University of Crete, Chania, Greece. https://doi.org/10.26233/heallink.tuc.99998

## VI. RESEARCH PROJECTS

**1.** University of Piraeus Research Center, M.Sc. in Maritime Studies (Cycle 2), Project Code: C321. Role: Statistical Data Analysis and Processing.

## VII. REVIEWER FOR INTERNATIONAL SCIENTIFIC JOURNALS

1. Applied Soft Computing
2. Circuits, Systems, and Signal Processing
3. Computers & Industrial Engineering
4. Expert Systems with Applications
5. Heliyon
6. IEEE Sensors Journal
7. Journal of Ambient Intelligence and Humanized Computing
8. Journal of Computational Science
9. Soft Computing
10. The Journal of Supercomputing
11. Cluster Computing
12. Swarm and Evolutionary Computation

## VIII. DISTINCTIONS

**4.** 2024, School of Civil and Environmental Engineering at the Nanyang Technological University together with the C.Y. Tung International Centre for Maritime Studies at The Hong Kong Polytechnic University. Best Paper Award for the research paper entitled "*The Impact of Digitalisation on Preventing Maritime Accidents"* presented at the 12th International Forum on Shipping, Ports, and Airports (IFSPA). 10-14 June 2024. Singapore.

**3.** 2019, Honorary Distinguished Member Award, Scientific Association for the Promotion of Educational Innovation (EEPEK), in recognition of internationally distinguished contributions to Educational Innovation.

**2.** 2018, State Scholarships Foundation (IKY), Ph.D. Research Fellowship / Scholarship in the scientific domain of "Social and Human Sciences", scientific field of "Economics and Law", specializing in "Marketing".

**1.** 2017, Institute of Humanities and Social Sciences (IAKE), Scientific Research Distinction for the paper entitled "Teacher professional development in mathematics education through online learning communities and its effect on student performance in mental addition computations" [in Greek], awarded for thematic originality, methodology, substantive content, and empirical findings.