

Curriculum Vitae

Elif Goksu Ozturk

Elif Göksu Öztürk is an Assistant Researcher (tenure track) at the Centre for Organizational and Social Studies (CEOS.PP) and a Lecturer at Porto Accounting and Business School (ISCAP), part of the Polytechnic Institute of Porto. She holds a PhD in Economics (2023) from the School of Economics and Management of the University of Porto (FEP.UP). During her doctoral studies, she collaborated as a research assistant at INESC TEC, where she gained experience and expertise in the areas of Operations Research, Multi-objective Optimization Methods, Python Programming, and Information Systems. After completing her PhD, she pursued a postdoctoral position at the University of Minho, specializing in Environmental and Ecological Economics. Currently, she continues a master degree on Data Science and Engineering at the Faculty of Engineering of the University of Porto (FEUP). She has four years of experience teaching statistics, applied statistics and research methodologies to undergraduate and master's students, and over eight years of research experience, focusing on the application of various methods and models, including machine learning, data science, optimization, econometric analysis, and multi-criteria decision-making in socio-economic and environmental contexts. She authored one doctoral thesis and 15 peer-reviewed scientific publications including, journal articles, book chapters and proceedings. Her research interests include Development Economics, Applied Economics, Environmental Economics, Multicriteria Decision-Making, Data Analysis, and Operations Research.

Identification

Personal identification

Full name
Elif Goksu Ozturk

Citation names

Ozturk, E. Goksu
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Author identifiers

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Instituto Superior de Contabilidade e Administração do Porto (ISCAP), Instituto Politécnico do Porto, Rua Jaime Lopes Amorim, s/n, 4465-004 S. Mamede de Infesta, Mathosinhos, Portugal (Professional)

Knowledge fields

Social Sciences - Economics and Business - Economics

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
English	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)
Turkish	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)
Portuguese	Intermediate (B1)	Intermediate (B1)	Elementary (A2)	Intermediate (B1)	Intermediate (B1)

Education

	Degree	Classification
2025/09/22 - 2027/07/30 Ongoing	Data Science and Engineering (Master's Degree) Universidade do Porto Faculdade de Engenharia, Portugal	
2023/03/10 Concluded	Economics (Doctorate) Major in Development Economics, Environmental Economics, GIS, Applied Economics Universidade do Porto Faculdade de Economia, Portugal *"New Directions in the Capability Approach: a further view on climate change, technology and poverty" (THESIS/DISSERTATION)*	Unanimously Approved
2016/12/21 Concluded	Economics (Master) Hacettepe Üniversitesi Iktisadi ve Idari Bilimler Fakültesi, Turkey *"Health System Performance in OECD Countries: Data Envelopment Analysis" (THESIS/DISSERTATION)*	Very Good
2016 Attended	Economics (Erasmus +) (Master's Degree) Universidade Católica Portuguesa Católica Porto Business School, Portugal	
2014/01/21 Concluded	Economics (Bachelor) Hacettepe Üniversitesi Iktisadi ve Idari Bilimler Fakültesi, Turkey	Very Good
2012 Attended	Economics (Eramus +) (Bachelor) Uczelnia Techniczno-Handlowa im H Chodkowskiej, Poland	

Affiliation

Science

	Category Host institution/organization	Employer
2025/07/01 - Current	Auxiliary Researcher (Research) Instituto Politécnico do Porto Centro de Estudos Organizacionais e Sociais, Portugal	Instituto Politécnico do Porto Centro de Estudos Organizacionais e Sociais, Portugal
2024/04/15 - 2025/06/30	Researcher (Research)	Instituto Politécnico do Porto Centro de Estudos Organizacionais e Sociais, Portugal
2023/07/01 - 2024/04/14	Postdoc (Research) Universidade do Minho Centro de Biologia Molecular e Ambiental, Portugal	Universidade do Minho, Portugal
2019/03/27 - 2022/10/31	Research Assistant (Research)	Instituto de Engenharia de Sistemas e Computadores Tecnologia e Ciência, Portugal
2018/03/01 - 2018/08/31	Research Assistant (Research)	Centro de Economia e Finanças, Portugal

Teaching in Higher Education

	Category Host institution/organization	Employer
2024/09/16 - Current	Lecturer (University Teacher)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2023/09/18 - 2024/07/09	Invited Assistant (University Teacher)	Universidade Católica Portuguesa Católica Porto Business School, Portugal

Projects

Grant

	Designation	Funders
2023/07/01 - 2024/06/30	Trees4Water 2022.06375.PTDC Post-doc Fellow Universidade do Minho Centro de Biologia Molecular e Ambiental, Portugal	Concluded
2019/03/26 - 2022/10/31	Sectorization to Simplify and Solve POCI-01-0145-FEDER-031671 Research Fellow Instituto de Engenharia de Sistemas e Computadores Tecnologia e Ciência, Portugal Instituto Politécnico do Porto Centro de Estudos Organizacionais e Sociais, Portugal ISCTE-Instituto Universitário de Lisboa, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2018/01/03 - 2018/08/31	Centro de Economia e Finanças da Universidade do Porto UID/ECO/04105/2019 Universidade do Porto Faculdade de Economia, Portugal Universidade do Porto Centro de Economia e Finanças, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded

Contract

	Designation	Funders
2025/01/01 - 2029/12/31	Centre for Organisational and Social Studies of Polytechnic of Porto UID/05422/2025 10.54499/UID/05422/2025 Instituto Politécnico de Coimbra, Portugal Instituto Politécnico do Porto, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Ongoing
2020/01/01 - 2024/12/31	Center of Organizational and Social Studies of Polytechnic of Porto UIDB/05422/2020 10.54499/UIDB/05422/2020 Instituto Politécnico do Porto, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded

2020/01/01 - 2024/12/31	INESC TEC – INESC Tecnologia e Ciência UIDB/50014/2020 10.54499/UIDB/50014/2020 Instituto de Engenharia de Sistemas e Computadores Tecnologia e Ciência, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2020/07/02 - 2022/10/14	StoSS - Setorização para Simplificar e Resolver POCI-01-0145-FEDER-031671 Instituto de Engenharia de Sistemas e Computadores Tecnologia e Ciência, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded

Outputs

Publications

Book chapter

1 Cristina Lopes; Ana Maria Rodrigues; Ozturk, E. Goksu; José Soeiro Ferreira; Ana Catarina Nunes; Pedro Rocha; Cristina Teles Oliveira. "Parcel Delivery Services: A Sectorization Approach with Simulation". In *Operational Research. APDIO 2022. Springer Proceedings in Mathematics & Statistics, vol 437. Springer, Cham.*. Springer, Cham., 2024.

Published • https://doi.org/10.1007/978-3-031-46439-3_9

2 Ozturk, E. Goksu; Filipe Soares de Sousa; Maria Margarida Lima; Pedro Filipe Rocha; Ana Maria Rodrigues; José Soeiro Ferreira; Ana Catarina Nunes; Isabel Cristina Lopes; Cristina Teles Oliveira. "Developing a System for Sectorization: An Overview". In *Operational Research IO 2021 - Analytics for a Better World*, 129-141. Springer International Publishing, 2023.

Published • 10.1007/978-3-031-20788-4_9

3 Maria Margarida Lima; Filipe Soares de Sousa; Ozturk, E. Goksu; Pedro Filipe Rocha; Ana Maria Rodrigues; José Soeiro Ferreira; Ana Catarina Nunes; Isabel Cristina Lopes; Cristina Teles Oliveira. "A Resectorization of Fire Brigades in the North of Portugal". In *Operational Research IO 2021 - Analytics for a Better World*, 87-101. Springer International Publishing, 2023.

Published • 10.1007/978-3-031-20788-4_6

4 Romanciuc, V.; Lopes, C.; Teymourifar, A.; Rodrigues, A.M.; Ferreira, J.S.; Oliveira, C.; Ozturk, E. Goksu. "An Integer Programming Approach to Sectorization with Compactness and Equilibrium Constraints". In *Innovations in Industrial Engineering*. Springer, Cham, 2022.

Published • 10.1007/978-3-030-78170-5_17

5 Ozturk, E. Goksu; Rocha, Pedro; Sousa, Filipe; Lima, Margarida; Rodrigues, Ana M.; Ferreira, José Soeiro; Nunes, Ana C.; Lopes, Cristina; Oliveira, Cristina. Corresponding author: Ozturk, E. Goksu. "An Application of Preference-Inspired Co-Evolutionary Algorithm to Sectorization". In *Innovations in Mechatronics Engineering II*, 257-268. Springer International Publishing, 2022.

Published • 10.1007/978-3-031-09385-2_23

	6	de Sousa, Filipe Soares; Lima, Maria Margarida; Ozturk, E. Goksu; Rocha, Pedro Filipe; Rodrigues, Ana Maria; Ferreira, José Soeiro; Nunes, Ana Catarina; Oliveira, Cristina. "Dynamic Sectorization - Conceptualization and Application". In *Innovations in Mechanical Engineering II*, 293-304. Springer International Publishing, 2022. Published • 10.1007/978-3-031-09382-1_26
Conference abstract	1	Zetzsche, Amanda; Ozturk, E. Goksu; Cristina Lopes. "Sustainable Finance in the EU: Macroeconomic Influences on Green Bond Issuance". Paper presented in *International Conference on Organisational and Management Studies - ICOMS 2025*, 2025. Published
	2	Ozturk, E. Goksu. "Tracking Socioeconomic Development: A Dynamic PCA-Based Approach to Country Classification Over Time". Paper presented in *International Conference on Organisational and Management Studies (ICOMS2025)*, 2025. Published
	3	Rodrigues, Ana Maria; Ozturk, E. Goksu; Cristina Lopes. "A hybrid optimisation method for vehicle routing in a fleet of multi-compartment vehicles with controlled temperature settings". Paper presented in *XXIV Congress of Portuguese Association for Operational Research (IO2025)*, 2025. Published
	4	Moreira, B.; Ozturk, E. Goksu; Cristina Lopes. "Evaluating the Impact of Sectors on Environmental Efficiency: A Case Study on OECD countries". Paper presented in *DICEOS25 - Researcher Day CEOS.PP*, 2025. Published
	5	Rodrigues, Ana Maria; Lopes, Cristina; Romanciuc, V.; Ferreira, José Soeiro; Ozturk, E. Goksu; Oliveira, Cristina. "Modelos Multiobjetivo em Problemas de Setorização (Multi-objective Models in Sectorization Problems)". Paper presented in *XXIII Congress of Portuguese Association for Operational Research*, *Viseu*, 2024.
	6	Emanuel Escobar; Ozturk, E. Goksu; Lopes, Ana Faria; Castro, Ana; CARVALHO-SANTOS, CLAUDIA. "SWAT supporting cost-effectiveness of riparian forests for river water quality improvement". Paper presented in *International SWAT Conference & Workshops*, 2024. Published
	7	CARVALHO-SANTOS, CLAUDIA; Ozturk, E. Goksu; Emanuel Escobar; Castro, Ana; Pascoal, Cláudia; Lopes, Ana Faria. "Trees4Water: Cost-effectiveness of Riparian Forest Buffers in Farmlands to Improve Water Purification". Paper presented in *5th Ecosystem Services Partnership Europe Conference - Linking Ecosystem Services and Nature-based Solutions for Transformative Change*, 2024. Published
	8	Ozturk, E. Goksu; CARVALHO-SANTOS, CLAUDIA; Emanuel Escobar; Castro, Ana; Pascoal, Cláudia; Lopes, Ana Faria. "Trees4Water - custo-efectividade de cenários de floresta ripária para a melhoria da qualidade da água (Trees4Water - Cost-Effectiveness of Riparian Forest Scenarios for Improving Water Quality)". Paper presented in *3rd Encontro Nacional de Ecologia – Investigação ecológica ao serviço da conservação*, 2024. Published

	9	Margarida Lima; Ozturk, E. Goksu; Pedro Rocha; Cristina Lopes; Cristina Teles Oliveira; Ana Maria Rodrigues; Ferreira, José Soeiro; NUNES, Ana Catarina. "Resectorization Problems". Paper presented in *EWGLA XXVI Location Analysis Meeting*, *Aveiro*, 2022. Published • 10.48528/H2BK-V229
	10	Cristina Lopes; Lima, Maria Margarida; Ozturk, E. Goksu; Ana Maria Rodrigues; NUNES, Ana Catarina; Teles de Oliveira, Cristina; Ferreira, José Soeiro; Pedro Rocha. "Creating homogeneous sectors: criteria and applications of sectorization". Paper presented in *17th IFSC – Classification and Data Science in Digital Age*, *Porto*, 2022. Published
	11	Ozturk, E. Goksu; Pedro Rocha; Lima, Maria Margarida; Ana Maria Rodrigues; José Soeiro Ferreira; Cristina Lopes; Cristina Teles Oliveira; Ana Catarina Nunes. "Building a Web-system for Sectorization". Paper presented in *EWGLA XXVI Location Analysis Meeting*, *Aveiro*, 2022. Published • 10.48528/H2BK-V229
	12	Ana Catarina Nunes; Ozturk, E. Goksu; Pedro Rocha; Lima, Maria Margarida; Ana Maria Rodrigues; José Soeiro Ferreira; Cristina Lopes; Teles de Oliveira, Cristina. "Dynamic Sectorization with time changing demand". Paper presented in *XXVII EURO Location Analysis Meeting*, *Aveiro*, 2022. Published • 10.48528/H2BK-V229
Conference paper	1	Ozturk, E. Goksu; Zeynep Cansu Ayturan. Corresponding author: Ozturk, E. Goksu. "Life Cycle Impact Assessment and Economic Evaluation of Material Cutting Technologies". Paper presented in *5th International Conference on Energy & Environment: bringing together Economics and Engineering*, 2022. Published
	2	Ozturk, E. Goksu; Ana Maria Rodrigues; José Soeiro Ferreira. Corresponding author: Ozturk, E. Goksu. "Using AHP to deal with Sectorization Problems". Paper presented in *4th International Conference on Industrial Engineering and Operations Management*, *Rome*, 2021. Published
Conference poster	1	Cláudia Carvalho-Santos; Emanuel Escobar; Ozturk, Elif G.; José Pedro Ramião; Ana Francisca Castro; Ana Faria Lopez. "Custo-efetividade da implementação de faixas de floresta ripária nas áreas agrícolas para a melhoria da qualidade da água (Cost-effectiveness of implementing riparian forest buffers in agricultural areas to improve water quality)". Paper presented in *Encontro de Ciência 2024*, 2024.
	2	Pedro Rocha; Rodrigues, Ana Maria; Cristina Lopes; NUNES, Ana Catarina; Ozturk, E. Goksu; José Soeiro Ferreira; Teles de Oliveira, Cristina. "Improving Pareto-Front convergence of PICEA-g An application to Sectorization Problems". Paper presented in *IO2022 - XXII Congresso da Associação Portuguesa de Investigação Operacional*, 2022.
	3	Pedro Rocha; Ana Maria Rodrigues; Cristina Lopes; NUNES, Ana Catarina; Ozturk, E. Goksu; José Soeiro Ferreira; Teles de Oliveira, Cristina. "Instance space evaluation for sectorization problems". Paper presented in *IO2022 - XXII Congresso da Associação Portuguesa de Investigação Operacional*, 2022.

4 Cristina Lopes; Rodrigues, Ana Maria; NUNES, Ana Catarina; Ozturk, E. Goksu; Pedro Rocha; José Soeiro Ferreira. "Parcel delivery services: a dynamic sectorization approach". Paper presented in *IO2022 - XXII Congresso da Associação Portuguesa de Investigação Operacional*, 2022.

5 Ozturk, E. Goksu; Filipe Sousa; Margarida Lima; Ana Maria Rodrigues; José Soeiro Ferreira; Ana Catarina Nunes; Cristina Lopes; Cristina Teles Oliveira. "Web-based Decision Support System for Sectorization". Paper presented in *IO2021 - XXI Congresso da Associação Portuguesa de Investigação Operacional*, 2021.

6 Margarida Lima; Ozturk, E. Goksu; Filipe Sousa; Cristina Lopes; Cristina Teles Oliveira; Ana Maria Rodrigues; José Soeiro Ferreira; Ana Catarina Nunes. "A resectorization of fire brigades in the north of Portugal". Paper presented in *IO2021 - XXI Congresso da Associação Portuguesa de Investigação Operacional*, 2021.

7 Filipe Sousa; Ozturk, E. Goksu; Margarida Lima; Ana Catarina Nunes; Cristina Lopes; Cristina Teles Oliveira; Ana Maria Rodrigues; José Soeiro Ferreira. "Dynamic Sectorization - Conceptualization and Application". Paper presented in *IO2021 - XXI Congresso da Associação Portuguesa de Investigação Operacional*, 2021.

Journal article

1 Ozturk, E. Goksu. "A Multi-Dimensional Framework to Assess Sustainable Development: A Cross-country Analysis". *Sustainable Development* (2026):

Published • https://doi.org/10.1002/sd.71667

2 Zetzsche, Amanda; Ozturk, E. Goksu; Cristina Lopes. "Sustainable Finance in the EU: Macroeconomic Influences on Green Bond Issuance". *Int. Journal of Marketing, Communication and New Media* (2026):

Published • https://doi.org/10.54663/2182-9306.2026.SpecialIssueOMS.47-63

3 Ozturk, E. Goksu; Silva, S. T.. "Capabilities and Innovation for Poverty Reduction in the Face of Climate Change". *European Journal of Development Research* (2026):

Under revision

4 Öztürk, E. G.; Lopes, A. F.; Escobar, E.; Castro, A.; Carvalho-Santos, C.. "Cost-effectiveness of riparian forest buffers in farmland for water quality improvement". *Journal of Environmental Planning and Management* (2025): 1-25.

Published • 10.1080/09640568.2025.2544321

5 Ozturk, E. Goksu; Ana Maria Rodrigues; José Soeiro Ferreira; Cristina Teles Oliveira. Corresponding author: Ozturk, E. Goksu. "How to know it is 'the one'? Selecting the most suitable solution from the Pareto optimal set: Application to Sectorization". *Operations Research and Decisions* (2024):

Published • DOI: 10.37190/ord240111

6 Ozturk, Elif G.; Pedro Rocha; Ana Maria Rodrigues; José Soeiro Ferreira; Cristina Lopes; Cristina Teles Oliveira; Ana Catarina Nunes. Corresponding author: Ozturk, Elif G.. "D3S: Decision Support System for Sectorization". *Decision Support Systems* (2024):

Published • https://doi.org/10.1016/j.dss.2024.114211

	7	Ozturk, E. Goksu; Paulo Guimarães ; Sandra Maria Tavares da Silva . Corresponding author: Ozturk, E. Goksu. "Building a Composite Index using the Multi-objective Approach: an application to the case of human development". *Socio-Economic Planning Sciences* (2024): Published • https://doi.org/10.1016/j.seps.2023.101756
	8	Ozturk, E. Goksu; Ana Maria Rodrigues; Ferreira, José Soeiro. Corresponding author: Ozturk, E. Goksu. "A New Matrix Form Genetic Encoding to Design Balanced, Compact and Connected Sectorization Through NSGA-II". *International Journal of Multicriteria Decision Making* (2023): Published • https://doi.org/10.1504/IJMCDM.2023.134132
	9	Cristina Lopes; Ana Maria Rodrigues; Valeria Romanciuc; José Soeiro Ferreira; Ozturk, E. Goksu; Cristina Teles Oliveira. "Divide and Conquer: A Location-Allocation Approach to Sectorization". *Mathematics* 11 2553 (2023): Published • Open access • https://doi.org/10.3390/math11112553
Preprint	1	Lopes, Ana Faria; Ozturk, Elif; Carvalho-Santos, Cláudia. "Cost-Benefit Analysis as a Framework for Interdisciplinarity - Assessing the economic viability of Riparian Forest Investments". 2025. https://doi.org/10.2139/ssrn.5112782. 10.2139/ssrn.5112782
	2	Öztürk, Elif Göksu; Tavares Silva, Sandra. "ICT and human development: an analysis of European Union countries". 2024. https://doi.org/10.2139/ssrn.4827380. 10.2139/ssrn.4827380
Report	1	Rodrigues, Ana Maria; José Soeiro Ferreira; Cristina Lopes; Teles de Oliveira, Cristina; NUNES, Ana Catarina; Ozturk, E. Goksu; Pedro Rocha. 2022. *D3S - Decision Support System for Sectorization: A Tutorial*. https://doi.org/10.13140/RG.2.2.10354.58569.
Thesis / Dissertation	1	"New Directions in the Capability Approach: a further view on climate change, technology and poverty". PhD, 2023.
	2	Ozturk, E. Goksu. "Health System Performance in OECD Countries: Data Envelopment Analysis". Master, 2016.

Other

Dataset	1	Ozturk, E. Goksu. Sectorization instances (created using normal and gamma distributions): The data includes 100 separate cases, each with coordinates, demand, and contiguity maps.. https://drive.inesctec.pt/s/NS47qnZEmYPwEQP.
Software	1	Lopes, Ana Faria; Ozturk, E. Goksu; CARVALHO-SANTOS, CLAUDIA. "Shiny application for cost benefit analysis of reforestation investments". 1. Universidade do Minho. https://anenvironmentaleconomistsguidetor.shinyapps.io/ShinyApp_Trees4Water. 2025.

2 Ozturk, E. Goksu. "D3S - Decision Support System for Sectorization". 0.1. Instituto de Engenharia de Sistemas e Computadores Tecnologia e Ciência. www.sectorization.pt. 2022.

Activities

Oral presentation

	Presentation title	Event name Host (Event location)
2025/11/18	Evolutionary algorithms: an introduction	Seminar Porto Accounting and Business School (ISCAP)
2025/11/12	How to Select a Research Methodology	Seminar Porto Accounting and Business School
2025/09/08	A hybrid optimisation method for vehicle routing in a fleet of multi-compartment vehicles with controlled temperature settings	XXIV Congress of Portuguese Association for Operational Research (IO2025) (Amarante, Portugal)
2025/05/30	Tracking Socioeconomic Development: A Dynamic PCA-Based Approach to Country Classification Over Time	International Conference on Organisational and Management Studies (ICOMS2025) (Porto, Portugal)
2025/05/28	Boosting Visibility and Citations	Blended Intensive Programme - "Succeed in your Ph.D.: Without Losing Your Mind or Your Papers" Instituto Politécnico do Porto, Centro de Estudos Organizacionais e Sociais
2025/05/27	How to Publish without Losing your Mind?	Blended Intensive Programme - "Succeed in your Ph.D.: Without Losing Your Mind or Your Papers" Instituto Politécnico do Porto, Centro de Estudos Organizacionais e Sociais
2025/05/06	Economic Perspectives on Ecosystem Services: An Introduction	Seminar at Advanced Course "Ecosystem services: Tools and Applications" University of Minho (Braga, Portugal)
2024/11/13	How to Select the Research Methodology?	Seminar Porto Accounting and Business School
2024/11/12	Metaheuristic Methods	Seminar Porto Accounting and Business School

2024/01/10	Ecologic and Economic Perspectives on Ecosystem Services	Seminar Center for Molecular and Environmental Biology
2023/09	The Role of Reinforces Capabilities on the Triangle of Climate Change, Technology and Poverty	2023 Human Development and Capability Association Conference Sofijski universitet Sv Kliment Ohridski (Sofia, Bulgaria)
2022/09/14	Building a Web-system for Sectorization	EWGLA XXVI Location Analysis Meeting Universidade de Aveiro (Aveiro, Portugal)
2022/06/03	Life Cycle Impact Assessment and Economic Evaluation of Material Cutting Technologies	5th ICEE: Bringing together Economics and Engineering Universidade do Porto (Porto, Portugal)
2021/11/07	Web-based Decision Support System for Sectorization	XXI Congress of Portuguese Association for Operational Research (IO2021) Associação Portuguesa de Investigação Operacional (Figueira da Foz, Portugal)
2021/08/04	Using AHP to Deal with Sectorization Problems	4th European Int. Conference on Industrial Engineering and Operations Management (IEOM) Università degli Studi di Roma La Sapienza Facoltà di Ingegneria Civile e Industriale (Rome, Italy)
2021/07/14	How to know it is the one? A comparative study to select the most suitable solution among the Pareto optimal set of solutions	31st European Conference on Operational Research Panepistemio Dytikes Attikes (Athens, Greece)
2021/07/02	Building a Composite Index using the Multi-objective Approach: an application to the case of human development	14th Annual Meeting of the Portuguese Economic Journal (PEJ 2021) Universidade Católica Portuguesa Católica Porto Business School (Porto, Portugal)
2021/04/13	Building a Composite Index using the Multi-objective Approach: an application to the case of human development	WIP Seminar Centro de Economia e Finanças at Universidade do Porto (Porto, Portugal)

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2025/10/01 - Current	Soft Skills in Recruitment Managers: Which are the Most Critical to Attract and Retain International Talent? Co-supervisor	Gestão das Organizações (Master) Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024/11/01 - 2025/07/30	Evaluating Environmental Efficiency: A DEA-Based Analysis of Sectoral Contributions to GHG Emissions Supervisor	Finanças Empresariais (Master) Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal

Event organisation

	Event name Type of event (Role)	Institution / Organization
2025/05/26 - 2025/05/30	Organization of Blended Intensive Programme, called "Succeed in your PhD: Without Losing Your Mind or Your Papers!" for PhD students. (2025/05/26 - 2025/05/30) Other (Co-organiser)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024/09/30 - 2024/09/30	Research Open Day - An event designed to engage and support young researchers, featuring short talks on various perspectives of a researcher's career. The program included a poll on research-related topics, followed by a discussion of the results with participants. (2024/09/30 - 2024/09/30) Round table (Co-organiser)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2022/06/28 - 2022/06/30	Co-organizer in Special Session: (SS10) Sectorization and Clustering. Peer-reviewer for one paper. (2022/06/28 - 2022/06/30) Conference (Co-organiser)	Universidade do Minho Escola de Engenharia, Portugal

Event participation

	Activity description Type of event	Event name Institution / Organization
2025/10/10 - Current	Participation in the conference 3rd DataPOWWOW 2025 Conference	3rd DataPOWWOW 2025 Universidade do Porto Faculdade de Economia, Portugal
2025/05/14 - 2025/05/16	Participation in the project proposal discussions together with several applied universities throughout Europe.	European Consortium on Applied Research and Professional Education (CARPE2025) Instituto Politécnico do Porto Instituto Superior de Contabilidade e

		Administração do Porto, Portugal
2024/12/05 - 2024/12/06	Participation in the networking event for European funding opportunities	European Cooperation Network Event (ECON'24) Universidade do Porto, Portugal
2024/07/04 - 2024/07/05	Attendance in the conference Conference	23rd Eur. Conf. on Research Methodology for Business and Management Studies Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2023/09/29 - 2023/09/29	Poster presentation of Trees4Water project, together with a representative video and gamified experiments visualizing how trees can filter the soil and keep the water purified.	European Researcher's Night
2023/09/11 - 2023/09/13	Paper Presentation; Paper Title: The Role of Reinforces Capabilities on the Triangle of Climate Change, Technology and Poverty Conference	2023 Human Development and Capability Association Conference The Institute of Philosophy and Sociology – Bulgarian Academy of Sciences (IPS-BAS), Bulgaria Sofijski universitet Sv Kliment Ohridski, Bulgaria Open Society Institute – Sofia (OSIS), Bulgaria
2023/01/23 - 2023/01/26	Attendance in the workshop. Workshop	Climate Change and Natural Disasters Universidade do Porto Faculdade de Economia, Portugal
2022/12/19 - 2022/12/20	Attendance in the workshop. Workshop	Empirical research with large datasets Banco de Portugal, Portugal
2022/11/06 - 2022/11/08	Three poster presentations; Poster Titles: 1)Improving Pareto-Front convergence of PICEA-g An application to Sectorization Problems , 2)Instance space evaluation for sectorization problems, 3)Parcel delivery services: a dynamic sectorization approach Congress	XXII Congress of Portuguese Association for Operational Research (IO2022) Universidade de Évora, Portugal
2022/09/14 - 2022/09/16	Three abstract presentations; Abstract Titles: 1)Building a Web-system for Sectorization, 2)Resectorization Problems, 3)Dynamic Sectorization with Time Changing Demand Conference	EWGLA XXVI Location Analysis Meeting Universidade de Aveiro Centro de Investigação e Desenvolvimento em Matemática e Aplicações, Portugal Associação Portuguesa de Investigação Operacional, Portugal

2022/07/19 - 2022/07/23	Abstract Presentation; Abstract Title: Creating Homogenous Sectors: Criteria and Applications of Sectorization Conference	17th IFSC – Classification and Data Science in Digital Age Universidade do Porto Faculdade de Economia, Portugal
2022/06/28 - 2022/06/30	Paper Presentation in Sectorization and Clustering session; Paper Title: An Application of Preference-Inspired Coevolutionary Algorithm to Sectorization Conference	International Conference Innovation in Engineering (ICIE'2022) Universidade do Minho Escola de Engenharia, Portugal
2022/06/02 - 2022/06/03	Paper Presentation in Technology and Economic Challenges session; Paper Title: Life Cycle Impact Assessment and Economic Evaluation of Material Cutting Technologies Conference	5th ICEE: Bringing together Economics and Engineering Universidade do Porto Faculdade de Economia, Portugal
2021/11/07 - 2021/11/08	Three Poster Presentations; Poster Titles: 1)Dynamic Sectorization - Conceptualization and Application, 2)A resectorization of fire brigades in the north of Portugal, 3)Web-based Decision Support System for Sectorization Congress	XXI Congress of Portuguese Association for Operational Research (IO2021) Associação Portuguesa de Investigação Operacional, Portugal
2021/08/03 - 2021/08/05	Paper presentation and Session Chair in Operational Research and AI session; Paper Title: Using AHP to Deal with Sectorization Problems Conference	4th European Int. Conference on Industrial Engineering and Operations Management (IEOM) Università degli Studi di Roma La Sapienza Facoltà di Ingegneria Civile e Industriale, Italy
2021/07/11 - 2021/07/14	Paper Presentation in Approaches for Multi-objective Optimization stream; Paper Title: How to know it is the one? A comparative study to select the most suitable solution among the Pareto optimal set of solutions Conference	31st European Conference on Operational Research (EURO 2021) Panepistemio Dytikes Attikes, Greece
2021/07/02 - 2021/07/04	Paper Presentation in Applied Economics Session; Paper Title: Building a Composite Index using the Multi-objective Approach: an application to the case of human development Conference	14th Annual Meeting of the Portuguese Economic Journal (PEJ 2021) Universidade Católica Portuguesa Católica Porto Business School, Portugal
2021/06/28 - 2021/06/30	Paper Presentation; Paper title: Integer Programming Approach to Sectorization with Compactness and Equilibrium Constraints	International Conference Innovation in Engineering (ICIE'2021) Universidade do Minho - Campus de Azurém, Portugal

	Conference	
2020/07/15 - 2020/07/17	Attendance in the workshop organized by European University Alliance for Global Health (EUGLOH). Workshop	A3C – Aging, Climate Change and Citizenship
2019/07/05 - 2019/07/07	Attendance in the conference. Conference	13th Annual Meeting of Portuguese Economic Journal (PEJ 2019) Universidade de Évora, Portugal
2019/03/06 - 2019/03/07	Attendance on workshop on Capability Approach theory, and its fundamentals. Workshop	The Foundational Issues in the Capability Approach Associatie KU Leuven, Belgium Human Development and Capability Association, United States
2018/06/07 - 2018/06/07	Attendance in the workshop on economic growth in modern world. Workshop	Public Policies, Output Fluctuations, and Long-Term Growth Centro de Economia e Finanças, Portugal World Bank, United States

Ad Hoc journal article review

	Journal title (ISSN)	Publisher
2025/12 - 2026/01/18	Socio-economic Planning Sciences	Elsevier

Association member

	Society Organization	Role
2023 - 2024	Human Development Capability Association	Member
2021 - 2023	APDIO - Associação Portuguesa para o Desenvolvimento da Investigação Operacional	Member

Committee member

	Activity description Role	Institution / Organization
2024/11/12 - 2024/11/13	Member of the Scientific Committee at the 7th International Conference on Sustainability and Innovation, held at Universidade Estadual Paulista – UNESP, Campus Jaboticabal, São Paulo - Brazil (Online)	Universidade Estadual Paulista Júlio de Mesquita Filho - Câmpus de Jaboticabal, Brazil

2024/10/03 - 2024/10/05	Member of Programme Committee at 16th Mediterranean Conference on Information Systems (MCIS) and the 24th Conference of the Portuguese Association for Information Systems (CAPSI)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal

Course / Discipline taught

Academic session		Degree Subject (Type)	Institution / Organization
2025 - 2026	In the first semester of 2025/26 academic year, I taught Seminar, in English, to 2nd year master students in Business Information Master programme.	(Master's Degree)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2025 - 2026	In the second semester of 2025/26 academic year, I am teaching Research Methodologies and Scientific Communication course, in Portuguese, to the 1st year master students in the Business and Digital Technologies mater programme.	(Master's Degree)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024 - 2025	In the first semester of 2024/25 academic year, I taught Statistics, in Portuguese, to 2nd year Administration and Accounting undergraduate students.	(Licenciate Degree)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024 - 2025	In the second semester of 2024/25 academic year, I taught Applied Statistics, in Portuguese, to 2nd year Administration and Accounting undergraduate students.	(Licenciate Degree)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2023 - 2024	After concluding my Ph.D., I held a position as a teaching assistant where I taught, in English, Statistics to 2nd-year undergraduates in Management and in Economics during first and second semester in 2023/24 academic year.	(Licenciate Degree)	Universidade Católica Portuguesa Católica Porto Business School, Portugal

Distinctions

Other distinction

2026	Erasmus + Mobility Research Grant (upcoming) Bilkent Üniversitesi, Turkey
2026	Erasmus + Mobility Research Grant: Attended Polytechnic University of Valencia (1 week) Universitat Politècnica de València Facultat d'Administració i Direcció d'Empreses, Spain
2025	Eramus + Mobility Research Grant: Attended Eka University of Applied Sciences (1 week) Ekonomikas un kulturas augstskola, Latvia
2023	Postdoctoral Research Grant - BIPD Project Trees4Water, ref. 2022.06375.PTDC, Portugal
2019	Research Grant - BI Project StoSS, ref. POCI-01-0145-FEDER-031671, Portugal
2016	Eramus + Mobility Student Grant: Attended Católica Porto Business School (9 months) Universidade Católica Portuguesa Católica Porto Business School, Portugal
2012	Erasmus + Mobility Student Grant: Attended Helena Chodcowska Uni. of Technology and Economics (5 months) Uczelnia Techniczno-Handlowa im H Chodkowskiej, Poland