Curriculum Vitae

Maria de Lurdes Vasconcelos Babo e Silva

Lurdes Babo has a Ph.D. in Applied Mathematics, and she is senior lecturer at ISCAP, the Porto Accounting and Business School from the Polytechnic of Porto and researcher at CEOS.PP. She is member of the Scientific Council of ISCAP.
She has experience in lecturing mathematics and statistics. She participates in several projects and was co-coordinator of the project MatActiva (http://paol.iscap.ipp.pt/matactiva/) from 2007 to 2022. His work "MatActiva Project – A Mathematical Dynamic Environment to Engage Students in the Learning Process" received a Certificate of Merit in "The 3rd e-Learning Excellence Awards" in October 2017. Lurdes Babo is author of several publications in the domain of ICT, new teaching methodologies in higher education and learning analytics. She has been a member of the scientific committees of conferences, and she has been reviewing numerous scientific papers.
His research interests include active learning methodologies in Higher Education, e-learning, learning analytics, finance, data analysis, time series analysis, simulation, and Quasi-Monte Carlo methods.

Identification

Personal identification

Full name
Maria de Lurdes Vasconcelos Babo e Silva

Citation names

Silva, Maria de Lurdes Vasconcelos Babo e
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lurdes.babo@gmail.com (Personal)

Websites

https://www.ceos.iscap.ipp.pt/membros/maria-de-lurdes-silva (Professional)

Knowledge fields

Exact Sciences - Mathematics

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
English	Upper intermediate (B2)	Advanced (C1)	Advanced (C1)	Advanced (C1)	
French	Advanced (C1)	Advanced (C1)	Advanced (C1)	Advanced (C1)	
Spanish; Castilian	Upper intermediate (B2)	Advanced (C1)	Upper intermediate (B2)	Advanced (C1)	
Portuguese	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	Proficiency (C2)	

Education

	Degree	Classification
2016 Concluded	Matemática Aplicada (Doctorate) Major in Sem especialidade Universidade do Porto Faculdade de Ciências, Portugal *"Contributos para a Avaliação de Opções Financeiras" (THESIS/DISSERTATION)*	
1999/05/15 Concluded	Mathematics/Education (Master) Universidade Portucalense Infante Dom Henrique, Portugal *"A Internet e o ensino da Estatística: uma experiência no ensino superior" (THESIS/DISSERTATION)*	Muito Bom
1989/07/03 Concluded	Mathematics - Educacional Branch (Bachelor) Universidade do Porto Faculdade de Ciências, Portugal *"n/a" (THESIS/DISSERTATION)*	

Affiliation

Teaching in Higher Education

Category	Employer
Host institution/organization	

2026/09/01 - Current	Assistant Professor (University Teacher) Universidade Técnica do Porto, Portugal	Faculty of Business of the Technical University of Porto, Portugal
2016/07/26 - 2026/08/31	Adjunct Teacher (Polytechnic Teacher)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
1999/06/07 - 2016/07/25	Adjunct Teacher (Polytechnic Teacher)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
1991/12/06 - 1999/06/07	Assistant (Polytechnic Teacher)	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal

Other Careers

	Category Host institution/organization	Employer
1988 - 2006/08/31	Primary and Secondary School Teacher (Primary and Secondary School Teacher)	Ministério da Educação, Portugal

Positions / Appointments

	Category Host institution/organization	Employer
2023 - Current	Comissão de Supervisão e Acompanhamento das provas especialmente adequadas destinadas a avaliar a capacidade para a frequência do ensino superior dos maiores de 23 ano	Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal
2017/04/22 - Current	Researcher CEOS.PP / ISCAP / P.PORTO, Portugal	CEOS.PP / ISCAP / P.PORTO, Portugal

2021/02/17 - 2025/01/16	Membro eleito do Conselho Técnico-Científico do Instituto Superior de Contabilidade e Administração do Porto Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal	Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal

Projects

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 Universidade Técnica do Porto, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Ongoing
2022/02/01 - 2025/01/31	MATH-DIGGER - MATHematics DiGital Escape Rooms 2021-1-PT01-KA220-HED-000032234	Erasmus Plus, Belgium Concluded
2022/02/01 - 2025/01/31	PYTHAGORAS 2021-1-RO01-KA220-HED-000032258 Researcher Universitatea Lucian Blaga din Sibiu, Romania	Erasmus Plus, Belgium Concluded
2020/01/01 - 2024/12/31	Center of Organizational and Social Studies of Polytechnic of Porto UIDB/05422/2020 10.54499/UIDB/05422/2020 Universidade Técnica do Porto, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2020/01/01 - 2024/12/31	Center of Organizational and Social Studies of Polytechnic of Porto UIDP/05422/2020 10.54499/UIDP/05422/2020 Universidade Técnica do Porto, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded

2019/01/01 - 2019/12/31	Center for Research and Development in Mathematics and Applications UID/MAT/04106/2019 Universidade de Aveiro, Portugal Universidade de Aveiro Centro de Investigação e Desenvolvimento em Matemática e Aplicações, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2018/12/01 - 2019/05/31	Sociedade, Escola e Investigação (SEI)/DICAS (Desafio, ISCAP, Cerco, Alunos a resolver Sistemas) XXX Researcher Câmara Municipal do Porto, Portugal Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal CEOS.PP / ISCAP / P.PORTO, Portugal	Câmara Municipal do Porto, Portugal Concluded
2015/01/01 - 2018/12/31	Center for Research and Development in Mathematics and Applications UID/MAT/04106/2013 Universidade de Aveiro Centro de Investigação e Desenvolvimento em Matemática e Aplicações, Portugal Universidade de Aveiro, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Concluded
2014 - 2015/06	MatActiva – Divulgação de Experiências de Inovação Didática em Matemática com Recurso às Tecnologias FCT/8213/18/9/2014/S Researcher	Fundação para a Ciência e a Tecnologia, Portugal Concluded

Outputs

Publications

Book

1 Golubitsky, M., Lacarnobara, W., Pinto, C.M.A., Babo, L., Mendonça, J., Carvalho, F., & Rocha. *International Conference Mathematical Analysis and Applications in Science and Engineering: book of abstracts 2024*. Polytechnic of Porto. School of Engineering. 2024.
10.26537/e.ipp.132 · Editor

2 Pinto, C.M.A.; Mendonça, Jorge; Babo, Lurdes; Baleanu, Dumitru. *International Conference on Mathematical Analysis and Applications in Science and Engineering 2022 - Book of Extended Abstracts*. Polytechnic of Porto. School of Engineering. 2022.
10.34630/20734

Book chapter

1 Isabel Vieira; Lurdes Babo; Cristina Torres. "Understanding Female Employment Rates in the EU Labour Market". 2026.

10.1007/978-3-032-09683-8_37

2 Paulino Silva; Isabel Vieira; Lurdes Babo; Cristina Torres. "Integrating Digital Tools to Enhance Learning Experiences in Higher Education". 2025.

10.1007/978-3-031-78155-1_38

3 Cristina Torres; Lurdes Babo; Isabel Vieira; Maria Antónia Rodrigues; Amélia Carvalho. "Tourism and Hospitality in Portugal: Perspectives of Marketing Students and Graduates". 2025.

10.1007/978-981-96-5400-0_9

4 Rasteiro, Deolinda M. L. D.; Caridade, Cristina M. R.; Pinto, C. M. A.; Nikolopoulos, Christos D.; Ulbrich, Eva; Petridis, Konstantinos; Mendonça, Jorge; et al. "Escape Rooms and Students Competencies". In *Springer Proceedings in Mathematics & Statistics*, 335-348. Springer Nature Switzerland, 2025.

Published • 10.1007/978-3-031-84151-4_29

5 Lurdes Babo; Carla M. A. Pinto; Jorge Mendonça; Deolinda M. D. Rasteiro; Cristina M. R. Caridade; Zsolt Lavicza; Eva Ulbrich; et al. "MATHematics DIGital Escape Rooms—Empowering Students". 2023.

10.1007/978-981-19-6585-2_34

6 Patrick Silva; Jorge Mendonça; Luís M. P. Gomes; Lurdes Babo. "Cognitive Biases in the Investment Decision Process". 2023.

10.1007/978-981-19-6585-2_17

7 Paula Lopes, Ana; Abreu, Anabela; Torres, Cristina; Soares, Filomena Baptista; Vieira, Isabel; Babo, Lurdes; Moreira Silva, Manuel; Silva, Paulino; Pinto, Susana. "MatActiva - divulgação de experiências de inovação didática em matemática com recurso às tecnologias". Gabinete do Secretário de Estado do Ensino Superior, 2015.

Conference abstract

1 Cardoso, F.; Torres, C.; Pereira, Adalmiro; Cristina Lopes; Babo, Lurdes; Vieira, Isabel. "Quality of work life in a textile company in Northern Portugal". Paper presented in *XXXIII Meeting of the Portuguese Association for Classification and Data Analysis (JOCLAD 2026)*, 2026.

Published

2 Gouveia, B.; Neves, G.; Viana, R.; Jesus, S.; Babo, Lurdes; Torres, C.; Vieira, Isabel; Cristina Lopes. "Does being born poor limit access to high income?". Paper presented in *XXXIII Meeting of the Portuguese Association for Classification and Data Analysis (JOCLAD 2026)*, 2026.

Published

3 Martins, R.; Cristina Lopes; Vieira, Isabel; Babo, Lurdes; Torres, C.. "Human, material and economic impacts of disasters". Paper presented in *XXXIII Meeting of the Portuguese Association for Classification and Data Analysis (JOCLAD 2026)*, 2026.

Published

4 Silva, D.; Almeida, M.; Cristina Lopes; Torres, C.; Vieira, Isabel; Babo, Lurdes. "Analysis of financial indicators for small and medium-sized enterprises using ARIMA models". Paper presented in *XXXIII Meeting of the Portuguese Association for Classification and Data Analysis (JOCLAD 2026)*, 2026.

Published

5 Vieira, Isabel; Babo, Lurdes; Torres, C.. "Integração do Excel e de um assistente de inteligência artificial no ensino da matemática: perceção dos estudantes de marketing do ISCAP". Paper presented in *Jornadas Internas de Inovação Pedagógica do P.PORTO 2026*, 2026.

Published

6 V., Valente,; Amanajás, C.; Carvalho, H.; Cristina Lopes; Vieira, Isabel; Babo, Lurdes; Torres, C.. "Organisational climate and employee well-being". Paper presented in *XXXII Meeting of the Portuguese Association for Classification and Data Analysis (CLAD)*, *Porto*, 2025.

Published

7 Pinto, P.; Gomes, I.; Martins, J.; Babo, Lurdes; Torres, C.; Vieira, Isabel; Cristina Lopes. "The influence of socio-economic conditions on public health.". Paper presented in *XXXII Meeting of the Portuguese Association for Classification and Data Analysis (CLAD)*, *Porto*, 2025.

Published

8 Nadais, J.; Ferreira, C.; Gomes, I.; Cristina Lopes; Babo, Lurdes; Torres, C.; Vieira, Isabel. "Weekend and holiday work by young people". Paper presented in *XXXII Meeting of the Portuguese Association for Classification and Data Analysis (CLAD)*, *Porto*, 2025.

Published

9 Cristina Lopes; Babo, Lurdes; Torres, C.; Vieira, Isabel. "Determinants of the risk-of-poverty gap: A panel data analysis across European countries". Paper presented in *International Conference on Organisational and Management Studies – ICOMS 2025*, 2025.

Published

10 Rasteiro, D. M. L. D., Caridade, C. M. R., Pinto, C. M. A., Mendonça, J., Babo, L.. "Escape rooms and students' competencies". Paper presented in *International Conference on Mathematics and Science Education (ICMASE 2024)*., 2024.

11 Torres, Cristina; Vieira, Isabel; Lopes, Cristina; Monteiro; Ferreira; Bem-Haja. "Identification of potential causes in the number of beneficiaries of social disability pension in small municipalities in the northern region of Portugal". Paper presented in *XXX Meeting of the Portuguese Association for Classification and Data Analysis (JOCLAD 2023)*, *Viana do Castelo*, 2023.

Published

12 Diego Balona; Catarina Borges; Rita Nunes; Cristina Lopes; Isabel Vieira; Lurdes Babo; Cristina Torres. "Gestão de Recursos Hospitalares e Hospitalização na UE27: Análise Fatorial". Paper presented in *CEOS Researchers' Day - DICEOS23*, 2023.

Published

13 Cristina Lopes; Isabel Vieira; Cristina Torres; Lurdes Babo; Eduardo Sá Silva. "Modelos de Previsão de Falência de empresas portuguesas do ramo mobiliário". Paper presented in *CEOS Researchers' Day - DICEOS23*, 2023.

Published

14 Andreia Martins; Ana Sofia Alves; Cristina Lopes; Isabel Vieira; Cristina Torres; Lurdes Babo. "A influência dos criadores de conteúdos digitais na compra". Paper presented in *CEOS Researchers' Day - DICEOS23*, 2023.

Published

15 Pinto, Carla; Babo, Lurdes; Mendonca, Jorge. "A Emergência do Ensino Online na Perspectiva dos Estudantes". Paper presented in *Fórum Interno PPorto 2021*, 2021.

16 Babo, Lurdes; Silva, Maria Eduarda; Areal, Nelson. "Métodos Quasi-Monte Carlo na simulação de séries temporais". Paper presented in *XXII Congresso Anual da Sociedade Portuguesa de Estatística*, 2015.

Conference paper

1 Pinto, Carla M.A; Mendonça, Jorge M. P.; Babo, Lurdes; Rasteiro, Deolinda M. L. Dias; Caridade, Cristina; Petridis, Konstantinos; Nikolopoulos, Christos D.; Ulbrich, Eva. "Work in Progress: MATH-DIGGER: Unlocking Mathematical Competencies through Digital Escape Rooms in HEIs". Paper presented in *2025 IEEE Engineering Education World Conference (EDUNINE)*, 2025.

10.1109/edunine62377.2025.10980838

2 Mendonça, Jorge M.P.; Babo, Lurdes; Pinto, Carla M.A.; Cruz, Mário; Queirós, Ricardo; Mascarenhas, Daniela. "Work in Progress: Exploring Educators' Perceptions on Generative Artificial Intelligence in Higher Education". Paper presented in *2025 IEEE Engineering Education World Conference (EDUNINE)*, 2025.

Published • 10.1109/edunine62377.2025.10981419

3 Pinto, Carla M.A.; Babo, Lurdes; Mendonça, Jorge; Pinto, Mário. "Engaging and inspiring primary school students through the 'School Band's project". Paper presented in *2025 IEEE Engineering Education World Conference (EDUNINE)*, 2025.

10.1109/edunine62377.2025.10981406

4 Deolinda M.L.D. Rasteiro; Cristina M.R. Caridade; Carla M. A. Pinto; Jorge Mendonça; Eva Ulbrich; Christos D. Nikolopoulos; Lurdes Babo; Selay Arkün Kocadere; Konstantinos Petridis. "Integrals Applications: A STEAM Activity to Teach/Learn Mathematics in Higher Education". 2024.

10.1109/eeite61750.2024.10654423

5 Carla M.A Pinto; Jorge M.P. Mendonça; Lurdes Babo; Ricardo Queirós; Mário Cruz; Daniela Mascarenhas. "HEIs teachers' and students' current experience of AI introduction in teaching and learning". 2024.

10.1109/eeite61750.2024.10654407

6 Suavinha, Bárbara; Alves, Maria; Magalhães, Marta; Babo, Lurdes; Torres, Cristina; Vieira, Isabel; Lopes, Isabel Cristina. "Depopulation of Portugal's interior". Paper presented in *XXXI Meeting of the Portuguese Association for Classification and Data Analysis (JOCLAD 2024)*, *Leiria*, 2024.

Published

7 Babo, L.; Mendonca, J.M.P.; Queiros, R.; Pinto, C.M.A.; Cruz, M.; Mascarenhas, D.. "Exploring HEIs Students' Perceptions of Artificial Intelligence on their Learning Process". 2024.

10.1109/EEITE61750.2024.10654438

8 Borges, C., Balona, D., Nunes, R., Lopes, C., Vieira, I., Babo, L., & Torres, C. P.. "Management of hospital resources and hospitalization in EU27: A factor analysis". Paper presented in *International Conference on Technology Management and Operations (ICOTEM 2023)*, 2023.

Published • https://doi.org/10.34628/DKYT-7F17

9 Martins, A., Alves, A. S., Lopes, C., Torres, C. P., Vieira, I., & Babo, L.. "The influence of digital content creators on purchase.". Paper presented in *International Conference on Technology Management and Operations (ICOTEM 2023)*, 2023.

Published • https://doi.org/10.34628/myvx-gg92

10 Babo, Lurdes; Vieira, Isabel; Torres, Cristina; Oliveira, Vera; Azevedo, José; Lopes, Cristina; Mendonça, Jorge. "Quiz Maker Tools: Analysis and Pedagogical Applications". 2022.

10.21125/edulearn.2022.2352

11 Mendonça, Jorge; Pinto, Carla; Babo, Lurdes. "Higher Professional Technical Courses: Students' Profile and Mathematics Self-Concept". 2022.

10.21125/edulearn.2022.2338

12 Pinto, Carla M. A.; Babo, Lurdes; Mendonca, Jorge. "Is CoI framework a sign of deep and meaning learning outcomes?". 2022.

10.1109/educon52537.2022.9766607

13 Lurdes Babo; Jorge Mendonça; Carla Pinto. "STUDY OF THE SOCIAL, TEACHING AND COGNITIVE PRESENCES IN A HYBRID LEARNING FRAMEWORK". 2021.

10.21125/iceri.2021.2004

14 Babo, Lurdes; Mendonca, J.; Babo, L.; Pinto, C.M.A.. "Adaptation to emergency remote teaching by students with distinct ICT backgrounds". 2021.

10.1109/educon46332.2021.9454019

15 Babo, Lurdes; Mendonça, Jorge Manuel; Pinto, Carla. "ONLINE MATH COURSES: ADVANTAGES AND OBSTACLES IN AN INFORMATICS BACCALAUREATE". 2021.

10.21125/inted.2021.0431

16 Mendonça, Jorge; Pinto, Carla; Babo, Lurdes. "INDUSTRY 5.0 EXPECTATIONS OF ENGINEERING CRITICAL THINKING". Paper presented in *12th International Conference on Education and New Learning Technologies*, 2020.

Published • 10.21125/edulearn.2020.2096

17 Pinto, Carla; Babo, Lurdes; Mendonça, Jorge. "Is covid-19 shaping our students' learning process?". 2020.

10.21125/iceri.2020.0442

18 Pinto, Carla; Babo, Lurdes; Mendonça, Jorge. "ENGINEERING STUDENTS´ AWARENESS OF THEIR PRESENT AND FUTURE PROFESSIONAL EXPERTISES". 2020.

10.21125/edulearn.2020.2060

19 Babo, Lurdes; Pinto, Carla; Mendonça, Jorge; Zannin, Marcelo. "MOTIVATING ENGINEERING STUDENTS TO LEARN MATH: HINTS FROM A CALCULUS COURSE". 2020.

10.21125/edulearn.2020.2070

20 Pinto, Carla; Mendonça, Jorge Manuel; Babo, Lurdes. "TRENDS OF ACTIVE-LEARNING TEACHING PRACTICES AMONG ENGINEERING STUDENTS". 2020.

10.21125/inted.2020.2338

21 Babo, Lurdes; Azevedo, José; Torres, Cristina; Lopes, Ana Paula; Camilo, Alice; Melo, Fernando; Garcia, Helena. "HOW TWO DIFFERENT LEVEL INSTITUTIONS CAN COOPERATE FOR THE SAME PURPOSE: TO MOTIVATE STUDENTS TO LEARN MATHEMATICS". 2020.

10.21125/inted.2020.1849

22 Jorge, M.; Lurdes, B.; Carla, P.. "Skills of bachelor engineering students attending active-learning math courses". 2020.

23 Pinto, Carla M. A.; Mendonca, Jorge; Babo, Lurdes; Ferreira, M. Herminia. "Assessment practices in higher education: a case study". 2020.

10.1109/educon45650.2020.9125257

24 Vieira, Isabel; Lopes, Ana Paula; Lopes, Isabel Cristina; Azevedo, José; Torres, Cristina; Babo, Lurdes. "AN EXPERIMENT WITH ONLINE PRACTICE FOR ASSESSMENT". 2020.

10.21125/inted.2020.1858

25 Mendonça, Jorge; Torres, Cristina; Babo, Lurdes. "Preparing Undergraduate Students for Life". 2020.

26 Babo, Lurdes. "STUDENTS' PERCEPTIONS ABOUT CONTINUOUS NON-TRADITIONAL ASSESSMENT IN HIGHER EDUCATION". 2019.

10.21125/inted.2019.1801

27 Carla Pinto; Jorge Mendonça; Susana Nicola; Lurdes Babo. "IMPACT OF A NEW TEACHING FRAMEWORK FOR MATH COURSES IN HIGHER EDUCATION". 2018.

10.21125/edulearn.2018.2561

28 Torres, Cristina; Babo, Lurdes; Mendonça, Jorge. "ENGAGING STUDENTS TO LEARN FORECASTING METHODS". Paper presented in *10th International Conference on Education and New Learning Technologies*, *Palma de Maiorca*, 2018.

10.21125/edulearn.2018.2511

29 Ana Paula Lopes; Maria de Lurdes Babo; José Azevedo; Cristina Torres. "RETHINKING FEEDBACK IN A CONNECTED AGE". 2018.

10.21125/inted.2018.1245

30 Ana Paula Lopes; Lurdes Babo; José Azevedo; Cristina Torres. "DATA ANALYSIS AND LEARNING ANALYTICS FOR MEASURE EFFECTS OF GAMIFICATION IN A MATH ONLINE PROJECT". 2017.

10.21125/inted.2017.1896

31 Lurdes Babo; José Azevedo; Cristina Torres; Ana Paula Lopes. "FORMATIVE ASSESSMENT IN HIGHER EDUCATION: DETECTION AND IMPROVEMENT ON LEARNING LEVEL". 2017.

10.21125/edulearn.2017.1187

32 Jorge Mendonça; Gabriela Gonçalves; Lurdes Babo; Cristina Torres. "A LINEAR REGRESSION AND CORRELATION EXCEL TASK WITH ENGINEERING STUDENTS". 2017.

10.21125/edulearn.2017.1712

33 Jose Manuel Azevedo; Cristina Torres; Ana Paula Lopes; Lurdes Babo. "Learning Analytics: A Way to Monitoring and Improving Students' Learning". 2017.

10.5220/0006390106410648

34 Lopes, Ana Paula; Babo, Lurdes; Torres, Cristina. "The impact of an online mathematics education project (MATACTIVA) on higher education students". 2015.

35 Babo, Maria de Lurdes; Silva, Eduarda; Areal, Nelson; babo, lurdes. "Monte Carlo na Avaliação de Opções Americanas". 2013.

36 Lopes, Ana Paula; Babo, Lurdes; Azevedo, Jose; Torres, Cristina; Azevedo, José. "INNOVATING MATHEMATICS FOR THE EUROPEAN HIGHER EDUCATION". *Valencia*, 2011.

Published

37 Torres, Cristina; babo, lurdes; Azevedo, Jose Manuel; Torres, Cristina Maria Dias Pereira; Babo, Maria de Lurdes; Azevedo, José Manuel Monteiro Lopes. "New challenges in mathematics for the european higher education". 2010.

38 Babo, Lurdes; Azevedo, Jose Manuel; Torres, Cristina; Lopes, Ana Paula. "Moodle and multiple-choice tests". 2010.

39 Azevedo, Jose Manuel; Lopes, Ana Paula; babo, lurdes; Torres, Cristina; Azevedo, José Manuel Monteiro Lopes; Babo, Maria de Lurdes. "Multiple-choice tests: a tool in assessing knowledge". 2010.

40 Torres, Cristina Maria Dias Pereira; Babo, Maria de Lurdes; Azevedo, José Manuel Monteiro Lopes; Lopes, Ana Paula; Torres, Cristina; Babo, Lurdes; Azevedo, Jose Manuel. "Matemática activa - moodle". 2009.

41 Lopes, Ana; Babo, Lurdes; Azevedo, José; Torres, Cristina. "Using Moodle as a Tool for Learning and Developing Math Skills". Paper presented in *ICMS 2009 – Internacional Conference of Mathematical Sciences*, 2009.

42 Azevedo, José; Torres, Cristina; Lopes, Ana; Babo, Lurdes. "Enhancing Math Skills With Moodle". Paper presented in *International Conference of Education, Research and Innovation*, 2009.

43 Torres, Cristina; Lopes, Ana Paula; Babo, Lurdes; Azevedo, José; Lopes, Ana. "Developing multiple-choice questions in mathematics". Paper presented in *International Conference of Education, Research and Innovation*, 2009.

44 Azevedo, Jose; Torres, Cristina; Lopes, Ana Paula; Babo, Lurdes. "How to teach mathematics with MOODLE". Paper presented in *International Conference of Education, Research and Innovation*, 2008.

45 Babo, Lurdes; Azevedo, José Manuel; Lopes, Ana Paula. "The active mathematics project at ISCAP". 2008.

46 Torres, Cristina; Lopes, Ana Paula; Azevedo, Jose Manuel; babo, lurdes; Torres, Cristina Maria Dias Pereira; Azevedo, José Manuel Monteiro Lopes; Babo, Maria de Lurdes. "O projecto matactiva no ISCAP". 2008.

47 Lopes, Ana; Babo, Lurdes; Azevedo, José. "Teaching and Learning Mathematics using Moodle". Paper presented in *INTED2008*, 2008.

48 Babo, Lurdes; Azevedo, Jose; Torres, Crsitina; Lopes, Ana. "Plataformas Interactivas no Ensino/Aprendizagem da Matemática". 2008.

Conference poster	1	Isabel Vieira, Cristina Torres, Lurdes Babo, Maria Antónia Rodrigues, Amélia Carvalho. "Communication, Distribution, and Emerging Trends in Tourism and Hospitality in Portugal: a case study". Paper presented in *CEOS Researchers' Day - DICEOS24*, 2024.
	2	Cristina Torres, Lurdes Babo, Isabel Vieira, Cristina Lopes, Fernando Machado, Francisco Alves, Francisco Cardoso. "Dinâmica dos Municípios em Portugal: Uma Análise Demográfica, Económica e Social". Paper presented in *CEOS Researchers' Day - DICEOS24*, 2024.
	3	Sara Campas, Lurdes Babo, Tiago Fernandes. "A importância da Auditoria Financeira para a boa aplicação dos Benefícios Fiscais ao Investimento na Indústria Hoteleira e Indústria do Mobiliário". Paper presented in *CEOS Researchers' Day - DICEOS24*, 2024.
	4	Lurdes Babo, Cristina Torres, Isabel Vieira, Cristina Lopes, Bárbara Suavinha, Maria Alves, Marta Magalhães. "Despovoamento em Portugal". Paper presented in *CEOS Researchers' Day - DICEOS24*, 2024. 10.56002/ceos.0102ba
	5	Ana Pereira, Lurdes Babo, Tiago Fernandes. "Fraude fiscal em sede de IVA, no setor da Construção Civil". Paper presented in *CEOS Researchers' Day - DICEOS24*, 2024.
	6	Jose Manuel Azevedo; Cristina Torres; Ana Paula Lopes; Lurdes Babo. "MatActiva, o que dizem os números?". Paper presented in *Fórum Interno P. PORTO*, 2019. 10.13140/rg.2.2.27529.90723
Journal article	1	Flávio Lúcio; Beatriz Queirós; Manuel Santos; Vitória Reis; Lurdes Babo. "EDUCAÇÃO E SUSTENTABILIDADE: AVALIAÇÃO CURRICULAR NO ENSINO SUPERIOR". *PRATICA - Revista Multimédia de Investigação em Inovação Pedagógica e Práticas de e-Learning* (2025): https://parc.ipp.pt/index.php/elearning/article/view/6374. 10.34630/PEL.V8I2.6374
	2	Rasteiro, Deolinda M. L. D.; Caridade, Cristina M. R.; Pinto, C. M. A.; Nikolopoulos, Christos D.; Ulbrich, Eva; Petridis, Konstantinos; Mendonca, Jorge; Babo, Lurdes; Kocadere, Selay Arkun. "Escape Rooms and Students Competencies". *Springer Proceedings in Mathematics and Statistics* 490 (2025): https://link.springer.com/chapter/10.1007/978-3-031-84151-4_29. Published • 10.1007/978-3-031-84151-4_29
	3	Lurdes Babo; Jorge Mendonça; Carla Pinto. "Students' Perceptions of PBL Usefulness". *Open Education Studies* (2024): https://doi.org/10.1515/edu-2024-0051. 10.1515/edu-2024-0051
	4	Patrick Diliane Cardoso Da Silva; Jorge Manuel Pires Mendonça; Luís Miguel Pereira Gomes; Maria de Lurdes Vasconcelos Babo E Silva. "Decision making under risk: prospect theory approach and cognitive reflection test". *Revista de Gestão e Secretariado (Management and Administrative Professional Review)* (2023): https://doi.org/10.7769/gesec.v14i7.1832. 10.7769/gesec.v14i7.1832

	5	Pinto, Carla M. A.; Mendonça, Jorge; Babo, Lurdes; Silva, Francisco J. G.; Fernandes, José L. R.. "Analyzing the Implementation of Lean Methodologies and Practices in the Portuguese Industry: A Survey". *Sustainability* 14 3 (2022): 1929. http://hdl.handle.net/10400.22/21529. Published • 10.3390/su14031929
	6	Babo, Lurdes. "E- Assessment with Multiple-Choice Questions: A 5 Year Study of Students' Opinions and Experience". *Journal of Information Technology Education: Innovations in Practice* (2020): http://dx.doi.org/10.28945/4491. 10.28945/4491
	7	Torres, Cristina; Lopes, Ana; Babo, Lurdes; Azevedo, José. "Improving Multiple-Choice Questions". 8 8 (2011): 1-11. https://www.davidpublisher.com/index.php/Home/Article/index?id=11709.html. Open access
Manual	1	Soares, Filomena; Lopes, Ana Paula; Ferreira, Maria Hermínia; Amorim, Marta; Babo, Lurdes; Azevedo, José; Vieira, Isabel; et al. *Matemática 100 STRESS | Introdução ao Cálculo Diferencial*. Portugal. 2015.
	2	Vieira, Isabel. *Matemática 100 STRESS | Introdução ao Cálculo Diferencial. Portugal*. 2015.
Thesis / Dissertation	1	Maria de Lurdes Vasconcelos Babo e Silva. "Contributos para a Avaliação de Opções Financeiras". PhD, 2016. https://hdl.handle.net/10216/84529.

Activities

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2026 - 2026	Diferenças de género nas preferências sobre aspetos não monetários do trabalho e as consequências na progressão de carreira Co-supervisor	Mestrado em Gestão das Organizações - Ramo Gestão Pública (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2026 - 2026	O contributo da Auditoria Interna para a Eficiência, Transparência e Sustentabilidade Organizacional Co-supervisor	Auditoria (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2025 - 2025	Impacto dos modelos de previsão de falência no setor do Turismo em Portugal Co-supervisor	Auditoria (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal

2025 - 2025	A importância do controlo interno nas PMEs Co-supervisor	Auditoria (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2025 - 2025	O Impacto do Best Order na Gestão de Stock em Farmácias Portuguesas Supervisor	Gestão das Organizações - Ramo Gestão de Empresas (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2025 - 2025	Avaliação do Nível de Digitalização nos Municípios Portugueses Co-supervisor	Gestão das Organizações - Ramo Gestão Pública (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024 - 2024/11	Fraude Fiscal em sede de IVA no setor da Construção Civil Co-supervisor	(Master)
2024 - 2024/11	O Impacto da Auditoria Interna na Gestão dos Municípios em Portugal Co-supervisor	(Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024 - 2024/11	O Impacto do Controlo Interno nas PME portuguesas Co-supervisor	Mestrado em Auditoria (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024 - 2024/11	A importância da Auditoria Financeira para a boa aplicação dos Benefícios Fiscais ao Investimento na Indústria Hoteleira e Indústria do Mobiliário Co-supervisor	Mestrado em Auditoria (Master) Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2023 - 2023	Credit risk in bank financing Co-supervisor	Auditing (Master) CEOS.PP / ISCAP / P.PORTO, Portugal
2023 - 2023	Big Four - Reasons for Choice Co-supervisor	Auditing (Master) CEOS.PP / ISCAP / P.PORTO, Portugal
2023 - 2023	Relevance of Internal Auditing for the Management of Organisations Co-supervisor	Auditing (Master) CEOS.PP / ISCAP / P.PORTO, Portugal
2023 - 2023	The contribution of internal auditing to minimising the risk of fraud in organisations	Auditing (Master) CEOS.PP / ISCAP / P.PORTO, Portugal

	Co-supervisor	
2023 - 2023	Gender Equality and its Importance in Organisations Co-supervisor	Organisational Management - Business Management Branch (Master) CEOS.PP / ISCAP / P.PORTO, Portugal

Event organisation

	Event name Type of event (Role)	Institution / Organization
2026/07/16 - 2026/07/16	Dinamização de workshop participativo sobre a utilização da Inteligência Artificial na Educação Superior, realizado no âmbito das JIIP'26 – Jornadas Internas de Inovação Pedagógica do P.PORTO, com a duração de 2 horas. (2026/07/16 - 2026/07/16) Workshop (Other)	Instituto Politécnico do Porto Centro de Investigação e Inovação em Educação, Portugal
2022/06/27 - 2022/06/29	International Conference on Mathematical Analysis and Applications in Science and Engineering – ICMA2SC'22 (2022/06/27 - 2022/06/29) Conference (Member of the Organising Committee)	ISEP/IPP, Portugal

Jury of academic degree

	Theme Role	Candidate name (Type of degree) Institution / Organization
2023/11/09	Implementação de metodologias de melhoria de processos na BLIP (Thesis) Arguer	Catarina Vieira de Sousa Osório (Master) Instituto Politécnico do Porto/Instituto Superior de Engenharia, Portugal
2023/07/24	Agile project management methodologies (Thesis) Arguer	João Pedro Maia Gomes (Master) Instituto Politécnico do Porto/Instituto Superior de Engenharia, Portugal
2020/10/30	ANÁLISE SWOT DA IMPLEMENTAÇÃO DA FILOSOFIA LEAN NA INDÚSTRIA EM PORTUGAL (Thesis) Arguer	JOSÉ LUÍS RAMOS FERNANDES (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2019/11/12	O DESENVOLVIMENTO DA METODOLOGIA LEAN EM PROCESSOS PRODUTIVOS (Thesis) Arguer	INÊS FERREIRA SANTOS (Master) Instituto Politécnico do Porto/Instituto Superior de Engenharia, Portugal

2019/02/25	CRIAÇÃO DE VALOR PARA AS ORGANIZAÇÕES: SIMULAÇÃO DE TEMPOS ATÉ À FALHA DE ATIVOS TANGÍVEIS (Thesis) Arguer	JOÃO FILIPE VIEIRA GOMES (Master) Instituto Politécnico do Porto/Instituto Superior de Engenharia, Portugal
2018/10/30	MANAGING FINITE RESOURCES IN COMPANIES (Thesis) Arguer	. (Master) ISEP/IPP, Portugal

Ad Hoc journal article review

	Journal title (ISSN)	Publisher
2025/05 - Current	Frontiers in Education	
2025/04 - Current	Frontiers in Education	
2025 - Current	IEEE Frontiers in Education Conference (FIE)	
2025/09/20 - 2025/10/01	Frontiers in Psychology	
2025/02 - 2025/02	Informing Science & IT Education Conferences (InSITE)	

Committee member

	Activity description Role	Institution / Organization
2022/02/17 - 2025/01/15	Technical-scientific council Member	Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal
2024/07/08 - 2024/07/09	CNaPPES.24 - 10.º Congresso Nacional de Práticas Pedagógicas no Ensino Superior Member	Instituto Politécnico do Porto/Instituto Superior de Contabilidade e Administração do Porto, Portugal

Conference scientific committee

	Conference title	Conference host
2024/07/08 - 2024/07/09	P.Pic'24 - Porto Pedagogical Innovation International Conference	Center for Pedagogical Innovation - Polytechnic of Porto
2023/10/09 - 2023/10/10	STAR GLOBAL CONFERENCE 2023: TRANSFORMATIVE EDUCATION FOR AN INTERCONNECTED AND EQUITABLE WORLD	Universidade de Vigo
2023/07/06 - 2023/07/07	P.Pic'23 - Porto Pedagogical Innovation International Conference	Center for Pedagogical Innovation - Polytechnic of Porto

2022/06/27 - 2022/06/29	International Conference on Mathematical Analysis and Applications in Science and Engineering – ICMA2SC'22	ISEP/Polytechnic of Porto
2022/05/30 - 2022/05/31	BBC2022 – Building Bridges in STEAM Education in the 21st Century. First International Conference	ISCAP/Polytechnic of Porto
2021/07/07 - 2021/07/07	First International Conference in E-Learning in STEM Education	ISCAP/Polytechnic of Porto
2010/11/17 - 2010/11/19	ICERI2010 the 3rd International Conference of Education, Research and Innovation	IATED

Course / Discipline taught

	Academic session	Degree Subject (Type)	Institution / Organization
2025/11/25 - 2025/11/25	"Como Fazer Recolha de Dados por Questionário" no âmbito do curso PACCDIN promovido pelo CEOS.PP.	(Others)	CEOS.PP / ISCAP / P. PORTO, Portugal
2024/11/27 - 2024/11/27	Como Fazer Recolha de Dados por Questionário - curso PACCDIN	(Others)	CEOS.PP / ISCAP / P. PORTO, Portugal

Mentoring / Tutoring

	Topic	Student name
2024 - 2024	Erasmus student tutor	Georgiana Crina Poida
2024 - 2024	Erasmus student tutor	Maximilian Constantinov
2024 - 2024	Erasmus student tutor	Malte Wellinger
2024 - 2024	Erasmus student tutor	Zhaniya Shukenova

Distinctions

Award

2024	Best Poster Award 2024 –ICMAS2SC'24
2024	Best Poster Award 2024 – ICMAS2SC'24
2024	Best Paper Award 2024 – ICAS24 International Society for the Advancement of STEAM (ISAS), South Korea
2023	PAPRE Award Instituto Politécnico do Porto, Portugal

2023	Best Paper Award 2023 - ICOTEM2023 Universidade Lusíada de Lisboa, Portugal
2022	Best Paper Award International Society for the Advancement of Convergence Education, South Korea
2021	Best Paper Award
2021	Best Paper Award

Other distinction

2017	Certificate of Merit awarded in "The 3rd e-Learning Excellence Awards" ACPI - Academic Conferences & Publishing International, United Kingdom