

Personal Information

Name: Maria Kaisari

Address: 8 Nireos St., Patras, Greece

Nationality: Greek

Date of Birth: 15/07/1972

Marital Status: Married with two children

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Education

Postdoctoral Research (In Progress, 2025–): Department of Educational Sciences and Early Childhood Education.

PhD in Mathematics Education (2007–2013): Department of Mathematics, University of Patras. *Thesis Title:* "Didactic dimensions of non-Euclidean Geometry models in University Education".

Master of Science (MSc) in Theoretical Mathematics (1998–2000): Department of Mathematics, University of Patras. *Thesis Title:* "Non-Euclidean Geometries - Hyperbolic Geometry".

Bachelor's Degree in Mathematics (1992–1997): Department of Mathematics, University of Patras. *Thesis Title:* "Introduction to Riemannian Geometry".

Academic & Teaching Experience

1. **Laboratory Teaching Staff (2019–Present):** Department of Business Administration, University of Patras.
 - *Field:* Research and Evaluation in Education and Educational Institutions.
 - *Courses taught:* Calculus, Dynamic Mathematical Models, Business Statistics, Statistical Data Analysis.
2. **Postgraduate Teaching (2021–2024):** Interdepartmental Master's Program "Educational Leadership," University of Patras.
 - *Course:* Research Methodology in Education - Qualitative Approach.
3. **Secondary Education Teacher (2004–2019):** Appointed via ASEP national competition.
4. **Academic Fellow (2016–2017):** Department of Primary Education, University of Patras.
 - *Course:* Mathematics Lesson Planning.

5. **Teaching Consultant (2015–2022):** ASPAITE Patras, focusing on Instructional Design.
6. **Lecturer (Adjunct) (2000–2003):** T.E.I. of Patras, Departments of Business Planning and Accounting.
 - *Courses:* General Mathematics I & II, Statistics I.
7. **Teaching Assistant (1999–2003):** Department of Mathematics, University of Patras.
 - *Courses:* Projective Geometry, Real Analysis III.

Research Experience & Projects

- **ATS2020 (Assessment of Transversal Skills):** Three-year European policy research project (Erasmus+).
- **MENTEP (Mentoring Technology Enhanced Pedagogy):** European research project (2016–2017).

Authoring

- **Books:** Co-author of "Mathematics for Economics and Business Administration" (Kallipos, 2024).
- **Book Chapters:** Contributor to "Mathematics and Pedagogical Dialogue" (Pnevmatikos, 2025).
- **Translations:** "Mathematical Methods for Economics and Business" by Pemberton & Rau (Broken Hill).

Publications in International Journals

1. Kaisari Maria and Patronis Tasos (2003). "Integrating Symmetries of Polyhedra in the Context of real Space Experience: Students' Work on a Geometrical Theme". *Mediterranean Journal for Research in Mathematics Education*, 2(1) 45-55 (Impact Factor : 2016 Evaluation Pending).
2. Kaisari, Maria, and Tasos Patronis (2010). "So we decided to call "straight line"(...): Mathematics students' interaction and negotiation of meaning in constructing a model of elliptic geometry." *Educational Studies in Mathematics* 75(3): 253-269 (impact factor 0.839).
3. Kounetas, K., Androulakis, G., Kaisari, M., & Manousakis, G. (2023). Educational reforms and secondary school's efficiency performance in Greece: a bootstrap DEA and multilevel approach. *Operational Research*, 23(1), 9.
4. George S. Androulakis, Dimitra Ap. Georgiou & Maria Kaisari (2022). Flipped Classroom and Peer Learning: A New Approach to the Educational Process at University, *International Journal of Education*
<https://doi.org/10.5296/ije.v14i3.20090>
5. Capasso, S., Kaisari, M., Kounetas, K., & Lainas, E. (2024). School productive performance and technology gaps: New evidence from PISA 2018. *Economic Modelling*, 131, 106602. <https://doi.org/10.1016/j.econmod.2023.106602>

Conference Presentations & Proceedings

1. **I.C.T.M. 2 International Conference (Crete, 2002):** "Towards a 'non-Euclidean world' for the students".
2. **I.C.T.M. 2 International Conference (Crete, 2002):** "Integrating Symmetries of Polyhedra in the context of real space experience".
3. **3rd Mediterranean Conference On Mathematical Education (Athens, 2003):** "The process of 'becoming' in the university classroom: a teaching experiment on the conceptualization of polygons and polyhedra".
4. **1st International Two-Day Conference on Mathematics Didactics (Rethymno, 2004):** "The Vector, the Parallelogram, Transformations and their Didactics: Experimentation with students-potential future secondary education teachers".
5. **6th Cyprus Conference on Mathematical Science and Education (Paphos, 2004):** "An intrinsic model of Elliptic Geometry".
6. **Sixth Congress of the European Society for Research in Mathematics Education (Lyon, France, 2009):** "FINDING THE SHORTEST PATH ON A SPHERICAL SURFACE: 'ACADEMICS' AND 'REACTORS' IN A MATHEMATICS DIALOGUE".
7. **28th Panhellenic Conference on Mathematical Education (Athens, 2011):** "Elliptic Geometry: from the Physical to the Mathematical model".
8. **Language, Race, Gender and Social Class in Mathematics Learning and Teaching (Athens, 2013):** "Individualized teaching in Mathematics and 'diversity' in the classroom: The case of Asperger syndrome".
9. **7th International Mathematics Week (Thessaloniki, 2015):** "Geometric concepts and their uses".
10. **33rd Panhellenic Conference of the Greek Mathematical Society (Chania, 2016):** "Searching for the roots of the derivative".
11. **Panhellenic Conference 'Innovating STEM Education' (Athens, 2016):** "Mathematics (Education) as a Laboratory Science".
12. **34th Panhellenic Conference of the Greek Mathematical Society (Lefkada, 2017):** "Correlation - Covariation - Approximation: Modern quests in mathematics education".
13. **5th Panhellenic Conference on Sociology of Education (Patras, 2022):** "Flipped classroom and collaborative learning: a new approach to the university educational process".
14. **5th Panhellenic Conference on Sociology of Education (Patras, 2022):** "Educational reforms and school efficiency in Greece: findings using a bootstrap DEA and a multilevel approach".
15. **6th Panhellenic Conference on Sociology of Education (Volos, 2025):** "The utilization of educational escape rooms in the teaching of rational numbers and their investigation as a framework for the development of soft skills in primary school students".