

Evi Papadaki
MASH Teaching Fellow
PhD in Mathematics Education
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🌐 <https://papadakievi.github.io/>

RESEARCH INTERESTS

- Mathematical discourse for teaching
- Educational technologies in HE
- Teaching practices for non-mathematics specialists in HE

AWARDS

Recognising Excellence Award 2023-24
University of Bath
(£250)
Recognising Excellence Award 2022-23
University of Bath
(£250)

FUNDING

Share Teaching Development Fund for
presenting at INDRUM2024
University of Bath
(£500)
Faculty of Social Sciences Studentship
for completion of doctoral studies
University of East Anglia
(£15K p.a. + fees)

IT SKILLS

Tools for designing learning resources

- NUMBAS
- Quarto & RMarkdown
- LaTeX

Qualitative Data Analysis tools

- NVivo
- ATLAS.ti

Quantitative Data Analysis tools

- SPSS
- R programming

Learning Management Systems

- Moodle
- Blackboard

Other

- Microsoft 365

RESEARCH EXPERIENCE

Postdoctoral Research Associate (0.1 FTE) 2024 – present
University of Southampton

- Literature review, data collection, data analysis and preparing reports

Postdoctoral Research Associate (0.1 FTE) 2024 – present
University of East Anglia

- Developing evidence-based PD resources for mathematics teachers
- Project: MathTASK funded by Higher Education Impact Fund

Graduate Research Assistant 2019 – 2022
University of East Anglia

- Developing evidence-based PD resources for mathematics teachers
- Literature review, drafting (online) questionnaires, data collection (participatory observation), data analysis
- Drafting reports and funding applications
- Maintaining the website of the project, keeping records of activities
- Project: MathTASK funded by Higher Education Impact Fund

TEACHING EXPERIENCE IN HIGHER EDUCATION

MASH Teaching Fellow (0.6 FTE) 2022 – present
University of Bath, UK

- Department: Mathematics Resources Centre
- Advising staff on mathematics and statistics education
- Developing accessible online resources and dynamic e-assessments
- Organising PD workshops on teaching mathematics in Higher Education
- Offering specialist statistics advice to students and staff
- Supporting students during the daily drop-ins

Associate Tutor (0.1 FTE) 2023 – present
University College London, UK

- Postgraduate Modules: "Understanding Research", "Digital Technologies for Mathematical Learning", "Mathematics for Teachers"
- Supervising MA students, personal tutor for modules, marking summative assignments, admin

Sessional Learning Enhancement Tutor (Maths & Stats) 2018 – 22
University of East Anglia, UK

- Co-delivery of workshops for students across the university
- Supporting students during Maths Helpdesk sessions
- Reviewing learning resources
- Outreach activities

Graduate Teaching Assistant 2022
University of East Anglia, UK

- Module: "Quantitative Research Methods in Education" (postgraduate)
- Delivering all lectures and seminars, supervising 6 MA students, marking, admin

Graduate Teaching Assistant 2019 – 20
University of East Anglia, UK

- Module: "Children, Teachers and Mathematics" (undergraduate)
- Delivering weekly seminars, providing feedback, marking, admin

Teaching Assistant 2015 – 18
University of Crete, Greece

- Modules: "Calculus I", "Linear Algebra I", and "Geometry and Linear Algebra", "Analytic Geometry and Complex Numbers"
- Supporting undergraduate Mathematics students during workshops

OTHER TEACHING EXPERIENCE

Mathematics and Statistics Tutor (0.1 FTE) 2021 – present
self-employed, UK

- Topics: GCSE Mathematics, A Level Mathematics, A Level Further Mathematics, Undergraduate Mathematics and Statistics, Postgraduate Statistics
- 17 students
- Delivering content, preparing students for exams, providing feedback

Online Brilliant Tutor 2022
The Brilliant Club, UK

- Preparing and delivering online sessions for KS3 students from less advantaged backgrounds, providing formative feedback

Mathematics Tutor 2015 – 18
self-employed, Greece

- Topics: Secondary School Mathematics, Undergraduate Mathematics
- 19 students
- Delivering content, preparing students for exams, providing feedback

Volunteering Mathematics Tutor 2015 – 2016
Community Centre of Kaminia, Crete, Greece

- Supporting secondary school students from disadvantaged backgrounds

QUALIFICATIONS & MEMBERSHIPS

- Associate Fellow in Higher Education
- Qualified Teacher Status in UK
- Events Secretary of the national steering group for the [sigma Network](#)
- Member of the British Society for Research into Learning Mathematics (BSRLM)

OUTREACH & PUBLIC ENGAGEMENT

- Presentation at CETL-MSOR conference
Sept 2023, Cardiff, UK
- Lightning talk – Part of the EduFest
May 2023, Bath, UK
- Guest blog post in [Her Maths Story](#)
May 2022
- Hands-on science workshop in [Norwich Science Festival 2021](#)
Oct 2021, Norwich, UK
- Hands-on science workshop in [Norwich Science Festival 2019](#)
Oct 2019, Norwich, UK

LANGUAGES

Greek: Native
English: Proficient
Spanish: Beginner

REFERENCES

Irene Biza (PhD Supervisor)
Associate Professor in Mathematics Education
University of East Anglia
Norwich Research Park
United Kingdom
i.biza@uea.ac.uk

Tamsin Smith (Line Manager)
MAST coordinator & Lecturer in Department of Mathematics
University of Bath
Claverton Down
United Kingdom
tls35@bath.ac.uk

EDUCATION

PhD	<i>Mathematics Education</i> <i>School of Education and Lifelong Learning</i> <i>University of East Anglia, UK</i> Thesis: “Beyond the Mathematics of the Moment: Exploring Teacher Discourse at the Mathematical Horizon”	2023
MSc	<i>Mathematics and its Applications</i> <i>Department of Mathematics and Applied Mathematics</i> <i>University of Crete, Greece</i> Grade: Distinction Specialisation: Mathematics for Education Dissertation: “Design of tasks for the understanding of the concept of Linear Span”	2017
BSc	<i>Mathematics</i> <i>Department of Mathematics</i> <i>National and Kapodistrian University of Athens, Greece</i> Grade: 6.58 (top 30% of class upon graduation – equivalent to ‘First’) Study Emphasis: Applied Mathematics Specialisation: Mathematics Education	2015

PRESENTATIONS IN CONFERENCES WITH PUBLISHED PROCEEDINGS

- International Network for Didactic Research in University Mathematics – INDRUM2024
June 2024, Barcelona, Spain
- British Society for Research into Learning Mathematics (BSRLM) Autumn Conference
Nov 2023, Bristol, UK
- British Society for Research into Learning Mathematics (BSRLM) Spring Conference
Mar 2023, London, UK
- Conference of the Greek Association of Researchers in Mathematics Education - Ev.E.Δι.Μ. 9
Jun 2022, Volos, Greece
- Conference on European Research in Mathematics Education - CERME12
Mar 2022, Online
- Annual Conference of the International Group for Psychology in Mathematics Education – PME44
Jul 2021, Online
- British Society for Research into Learning Mathematics (BSRLM) Spring Conference
Mar 2021, Online
- British Society for Research into Learning Mathematics (BSRLM) Spring Conference
Mar 2020, Cambridge, UK
- British Society for Research into Learning Mathematics (BSRLM) Spring Conference
Mar 2019, Milton Keynes, UK
- International Network for Didactic Research in University Mathematics – INDRUM2018
Apr 2018, Kristiansand, Norway
- Conference of the Greek Association of Researchers in Mathematics Education - Ev.E.Δι.Μ. 7
Dec 2017, Athens, Greece

INVITED TALKS

- Where to begin in the world of Mathematics Education research – PRiME seminar, Department of Mathematical Sciences, University of Bath
March 2024, Bath, UK
- NUMBAS, an e-assessment tool for learning – Part of the EduFest2024, University of Bath
Feb 2024, Online
- Setting up a Maths and Statistics teaching support service – Part of the **sigma** event on *Embedding Maths and Stats Support*
May 2023, Online

Journal articles

Smith, T., & **Papadaki, E.** (2024). What role does skill centre based consultancy serve in mathematics and statistics teaching communities of practice? *MSOR Connections*, 22(2), 54-60. <https://doi.org/10.21100/msor.v22i2.1475>

Doctoral thesis

Papadaki, E. (2023). Beyond the Mathematics of the Moment: Exploring Teacher Discourse at the Mathematical Horizon. [Doctoral thesis, University of East Anglia]. https://ueaeprints.uea.ac.uk/id/eprint/93504/1/2023-Papadaki.P-PhD_Final_Thesis.pdf

Papers in peer-reviewed conference proceedings

Papadaki, E., Smith, T., Crennel, S., & Ali W. (in press). Integrating Worlds: An a priori Analysis of Contextualised NUMBAS Questions in Natural Sciences. *Proceedings of the Fifth Conference of the International Network for Didactic Research in University Mathematics* (INDRUM2024, 10-14 July 2024).

Papastathi, C., Kanellos, I., **Papadaki, E.**, Biza, I., & Nardi, E. (2022). Πάρε θέση! Η μαθηματική απόδειξη ως εργαλείο τεκμηρίωσης στην τάξη [Make up your mind! The mathematical proof as an argumentation instrument in the class]. *Proceedings of Nineth Conference of the Greek Association of Research in Mathematics Education* (Ev.E.Δι.Μ. 9), Ev.E.Δι.Μ.

Biza, I., Nardi, E., Argyris, D., Kalikakis, D., Kanellos, I., Kotarinou, P., Koukoulakis, C., Mpalabanidou, Z., **Papadaki, E.**, & Stylianidou, A. (2022). Μοντέλα επιμόρφωσης για την ανατροφοδότηση από την έρευνα στη διδακτική πράξη της διδασκαλίας των μαθηματικών και αντίστροφα [Professional development models based on the reciprocal feedback between research and mathematics teaching practice]. *Proceedings of Nineth Conference of the Greek Association of Research in Mathematics Education* (Ev.E.Δι.Μ. 9), Ev.E.Δι.Μ.

Papadaki, E. & Biza, I. (2022). Teaching beyond the mathematics of the moment, *Proceedings of the Twelfth Congress of the European Society for Research in Mathematics Education* (CERME 12). <https://hal.archives-ouvertes.fr/hal-03745470>

Papadaki, E. (2021). Routines at the horizon: when and how a teacher can go beyond the mathematics of the moment. In Inprasitha, M., Changsri, N., Boonsena, N. (Eds.), *Proceedings of the 44th Conference of the International Group for the Psychology of Mathematics Education* (Vol.1) (p. 169). PME. https://pme44.kku.ac.th/home/uploads/volumn/pme44_vol1.pdf

Papadaki, E. & Kourouniotis, C. (2018). Tasks for enriching the understanding of the concept of linear span. *Proceedings of the Second Conference of the International Network for Didactic Research in University Mathematics* (INDRUM2018, 5-7 April 2018), 275-284. <https://hal.archives-ouvertes.fr/hal-01849948/document>.

Papadaki, E. & Kourouniotis, C. (2017). Η έννοια της γραμμικής θήκης μέσα από τα μάτια ενός πρωτοετή φοιτητή μαθηματικών [The notion of linear span through the eyes of a first year mathematics student]. *Proceedings of Seventh Conference of the Greek Association of Research in Mathematics Education* (Ev.E.Δι.Μ. 7), Ev.E.Δι.Μ.

Kourouniotis, C. & **Papadaki, E.** (2017). Η εισαγωγή της έννοιας του διανύσματος [Introducing the concept of vectors]. Poster session presented at *Seventh Conference of the Greek Association of Research in Mathematics Education* (Ev.E.Δι.Μ. 7), Ev.E.Δι.Μ.

Papers in conference proceedings (other)

Nardi, E., Biza, I., Moustapha-Corrêa, B., **Papadaki, E.**, & Thoma, A. (2021). From student scribbles to institutional script: Towards a commognitive research and reform programme for university mathematics education. In R. Marks (Ed.), *Proceedings of the British Society for Research into Learning Mathematics*, 41 (1). British Society for Research into Learning Mathematics. <https://bsrlm.org.uk/publications/proceedings-of-day-conference/ip41-1/>

Papadaki, E. & Biza, I. (2020). Conceptualising the Discourse at the Mathematical Horizon: Looking at one teacher's actions "beyond the mathematics of the moment". *Proceedings of the British Society for Research into Learning Mathematics*, 40 (1). <https://bsrlm.org.uk/wp-content/uploads/2020/05/BSRLM-CP-40-1-12.pdf>

Papadaki, E. (2019). Mapping out different discourses of mathematical horizon. *Proceedings of the British Society for Research into Learning Mathematics*, 39 (1). <https://bsrlm.org.uk/wp-content/uploads/2019/07/BSRLM-CP-39-1-07.pdf>

Master dissertation

Papadaki, E. (2017). Design of tasks for the understanding of the concept of Linear Span. [Master Dissertation, University of Crete]. <https://elocus.lib.uoc.gr/dlib/6/b/a/metadata-dlib-1512027006-378155-4203.tkl>