

# Curriculum Vitae

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## Maria Papandreou

Associate Professor

School of Early Childhood Education, Aristotle University of Thessaloniki

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## Personal Information

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## Education

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- **Ph.D.** in Education, University of Patras, Greece, Department of Early Childhood Education, **2002**.  
Thesis: *“Powerful learning environments for the development of logico-mathematical concepts in Kindergarten: the case of length concept”*
- Postgraduate specialization *“Distance Learning”*, Hellenic Open University, **2001**
- **M.Sc.** in *“Systems of Learning, Systems of Evaluation”* [Systèmes d’apprentissage, systèmes d’évaluation (DEA)], Université de Provence (Aix-Marseille I), U.F.R de Psychologie et Sciences de l’Education, France, **1994**
- **BSc**, Early Childhood Education, Faculty of Early Childhood Education, University of Patras, Greece, **1991**.

### **FURTHER PROFESSIONAL TRAINING**

- Postgraduate training in *“Distance Learning”*, Greek Open University, 2001

## **SCHOLARSHIPS**

- Erasmus Scholarship (one year), Université de Provence (Aix-Marseille I), U.F.R de Psychologie et Sciences de l'Éducation.
- Postgraduate researcher, research projects: 1. 92ΣΥΝ55 “The elaboration of the concepts of the length and distance by preschool and primary school children” (1995-1996) and 2. “Elaboration of a powerful learning environment for the teaching of early mathematics in Kindergarten” funded by the General Secretariat for Research and Technology under the number: ΥΠΕΡ210, 1996-1999.

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## **Research interests**

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- Participatory methods in research with children and educational praxis
- Visual languages and learning in early childhood
- Teacher-parents partnership
- Early science and mathematics teaching and learning
- Initial teacher training and professional development

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## **Academic Position (2000 – present)**

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- Associate Professor in Early Childhood Education, School of Early Childhood Education, Aristotle University of Thessaloniki, Greece July 2021-present
- Assistant Professor in Early Childhood Education, School of Early Childhood Education, Aristotle University of Thessaloniki, Greece Sep. 2012 - present
- Lecturer in Early Childhood Education, Department of Early Childhood Education, Aristotle University of Thessaloniki, Greece Sep. 2007-2012
- Scientific Collaborator, (Fixed-term contract), Greek Open University 2009-2010
- Lecturer (Fixed-term contract), Department of Early Childhood Education, University of Patras, Greece 2000-2003

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## Teaching Experience

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### Teaching modules

- Contemporary Learning Environments (MSc)
- Learning and teaching in early childhood education (BSc)
- Curriculum and planning for teaching in the kindergarten (BSc)
- Designing curriculum and educational activities for the kindergarten (BSc)
- Early Childhood Pedagogy and Practice (compulsory field experiences program) (BSc)
- Early Childhood Pedagogy and Practice (BSc)
- Collaborative Learning Communities and Leadership (MSc)
- Les technologies de l'information et la communication (TIC) (MSc)
- Curriculum Theory (MSc)
- Applied pedagogical approaches in learning science (MSc)
- Curriculum Theory (MSc)

### Students' Practicum

- Co-director of the Department's Students' Practicum. In charge of the students' practicum and placement from 2007 till today

Professional Development courses in “Didaskaleio”, School of Early Childhood Education, Aristotle University of Thessaloniki, Greece 2008-2012.

- Designing curriculum for the Kindergarten
- Science teaching in early childhood
- Comparative education

### Teaching experience in early childhood education

- Early childhood educator, Greek Public Schools, 2001-2007

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## Thesis supervision

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- PhD Dissertations • I am supervising 1 doctoral dissertation as first supervisor, I'm participating in 7 supervising committees, and I have participated in 10 examining committees in Greece and Great Britain (University of Bristol)
- Msc Dissertations • I have supervised around 10 master theses.
- Bachelor Dissertations • I have supervised around 15 bachelor theses.

## Research Projects

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- Scientific Collaborator, project "Play and Science in ECE: Investigating magnetic phenomena through free and structured play", Regional Directorate of Education, Achaia, Greece, 2017-18.
- Scientific Supervisor, "The development of thinking and communicational ability in early childhood mathematics: Investigating children's drawing activity during authentic problem solving". AUTH Research Committee, research code: 91481
- Scientific Collaborator," The development of the new national Early Childhood Curriculum". Ministry of Education and Religious Affairs (37/8-12-2010 & 33/8-12-2010 – European Union). 2010 –2014
- Scientific Collaborator, project: "Dialogue – Communication between school and bilingual families". Funded by The Stavros Niarchos Foundation (SNF), 2010-2011
- Scientific Collaborator of the Greek Network "Healthy Cities", Co-ordinator of the projects: "Preventing social exclusion of single parent-families" 1997-1998, "Sports and Health in Greek Primary schools", 1999, "The children's as advisors for the healthy city of the year 2000", 2000.
- Scientific Collaborator, project "Elaboration of a powerful learning environment for the teaching of early mathematics in Kindergarten" funded by the General Secretariat for Research and Technology under the number: ΥΠΕΡ210, 1997-2001.

## Professional & University Service

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<b>2022-present</b>	<b>Coordinator of the MSc</b> "Education Sciences: Research and praxis in changing learning environments."
<b>2022-present</b> <b>2011-2022</b>	<b>Head</b> of the committee in charge of postgraduate and doctoral studies <b>ECTS Coordinator</b> , Erasmus placement, School of Early Childhood Education, Aristotle University of Thessaloniki
<b>2020-2021</b> <b>2010-2021</b>	<b>Head</b> of the committee in charge for students' Practicum <b>Head</b> of the Department of Pedagogy, School of Early Childhood Education, Aristotle University of Thessaloniki
<b>2008-2020</b>	
<b>2021-present</b> <b>2009-present</b>	<b>Member</b> of the committee in charge for students' Practicum <b>Member</b> of the Scientific Committee of the Early Childhood Center, Aristotle University of Thessaloniki
<b>2015-present</b>	<b>Member</b> of the Scientific Committee of Post Graduate Course (MSc) "Didactics of Mathematics"

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2010-12	<b>Member</b> of the committee in charge for the Department's Curriculum Supervision
2017-2021	<b>Member</b> of the Committee of the Faculty Library
2010-2013	<b>Member</b> of the students' advisor committee

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## Professional Commitments

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### *Journal refereeing*

- Children & Society
- Educational Research for Policy and Practice
- International Journal of Early Years Education (IJERPH)
- Early Years: An international Research Journal
- Journal of Research in Childhood Education
- Journal of Early Childhood Education
- JECER, Journal of Early Childhood Education Research
- International Journal of Environmental Research and Public Health
- Behavioural Science
- Social Sciences
- Preschool and Primary Education
- OMEP – Researching Children's world (Greek)

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## Publications (2000 – present)

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### **Books**

Papandreou, M. (2020). *Participatory learning in early childhood: Understanding children's 'languages' and enhancing their participation in learning and research processes*. Thessaloniki: Sofia Publication (in Greek).

### **Early Childhood Curriculum**

Ministry of Education and Religious Affairs. (2014). *New National Early Childhood Curriculum*. Role: **Member of the scientific committee**. Appointed by the Greek Pedagogical Institute and the Ministry of Education and Religious Affairs. Co-funded by the European Commission (EC 33/8-12-2010).

<http://repository.edulll.gr/edulll/handle/10795/1947>

The chapters

“The kindergarten in 21st Century: Developing key- competences” (pp. 9-22)

“Acknowledging diversity and developing differentiated approaches”, (pp. 23-27)

“Planning learning and teaching in Kindergarten” (pp. 28-45)

### **International peer-reviewed journals**

Papandreou, M., & Vellopoulou, A. (2022). Redefining interaction and participation in digital times: early childhood teachers’ understandings in Greece, *Early Child Development and Care*, <https://doi.org/10.1080/03004430.2022.2075354>

Papandreou, M. & Dragouni K.E. (2022). “He will see my drawing and we will play blindman’s bluff together”: Overcoming communication barriers in a multicultural kindergarten classroom. *Journal of Early Childhood Education Research*, 11(1, Special issue on Interaction in Context), 272–296, <https://journal.fi/jecer/article/view/114019>

Papandreou, M., & Konstantinidou, Z. (2020). ‘We make stories one meter long’: Children’s participation and meaningful mathematical learning in ECE. *Review of Science, Mathematics and ICT Education*, 14(2) (special issue: “Valuing young children and promoting participation in early STEM education”), 43-64. <https://pasithee.library.upatras.gr/review/index>.

Papandreou, M., Tsiouli, M. (2020). Noticing and Understanding Children’s Everyday Mathematics during Play in Early Childhood Classrooms. *International Journal of Early Years Education*. doi: 10.1080/09669760.2020.1742673

Papandreou, M. (2019). Young children’s representational practices in the context of self-initiated data investigations, *Early Years*, doi: 10.1080/09575146.2019.1703101

Papandreou, M. & Kalaitzidou, K (2019). Kindergarten teachers’ beliefs and practices towards elicitation in science teaching. *Educational Journal of the University of Patras UNESCO Chair*, 6(1), 99-110 (thematic issue: Colloque SIEST Méditerranée Patras 2019) <http://ejupunescochair.lis.upatras.gr/index.php/ejupUNESCOchair/issue/view/356>

Vellopoulou, A. & Papandreou, M. (2019). Investigating the teacher’s roles for the integration of science learning and play in the kindergarten. *Educational Journal of the University of Patras UNESCO Chair*, 6(1), 186-196. (thematic issue: Colloque SIEST Méditerranée Patras 2019) <http://ejupunescochair.lis.upatras.gr/index.php/ejupUNESCOchair/issue/view/356>

Papandreou, M. & Yiallourous, S. (2020). Highlighting the features of whole-class interactions in a participatory early childhood environment. *Early Child Development and Care*, 190(4), 461-477, doi: 10.1080/03004430.2018.1479402.

Gregoriadis, A., Papandreou, M., & Birbili, M. (2018). Continuing professional development in the Greek early childhood education system, *Early Years: An International Research Journal*, 38(3), 271-285, doi: 10.1080/09575146.2016.1265486

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Papandreou, M. & Birbili, M. (2017). Not just a recreational activity: Giving artmaking the place it deserves in early childhood classrooms. *Educational Journal of the University of Patras UNESCO Chair*, 4(1), 94-106.

<http://ejupunescochair.lis.upatras.gr/index.php/ejupUNESCOchair/article/view/2787/3049>

Papandreou, M. (2014). Communicating and thinking through drawing activity in early childhood. *Journal of Research in Childhood Education*. 28(1), 85-100, DOI: 10.1080/02568543.2013.851131

<http://www.tandfonline.com/toc/ujrc20/current#.UxG6rFLNt9A>

Ravanis, K., Papandreou, M., Kampeza, M. & Vellopoulou, A. (2013). Teaching activities for the construction of a precursor model in 5-6 years old children's thinking: the case of thermal expansion and contraction of metals. *European Early Childhood Education Research Journal*, 21(5). <http://www.tandfonline.com/doi/pdf/10.1080/1350293X.2013.845440>

Papandreou, M. & Terzi, M. (2011) Exploring children's ideas about natural phenomena in kindergarten classes: designing and evaluating 'eliciting activities' *Review of Science, Mathematics and ICT Education*, 5, 2, 27-47.

<http://resmicte.lis.upatras.gr/index.php/review/article/view/887/765>

Papandreou, M. (2006). Measurement tools and the development of length concepts in early childhood education. *Themes in Education*, 7(1), 25-42.

Koliopoulos, D., Tantaros, S., Papandreou, M., Ravanis, K. (2004). Preschool children's ideas about floating: A qualitative approach. *Journal of Science Education*, 5(1), 21-24.

### **Invited publications**

Papandreou, M. (2020). Differentiated pedagogy in early childhood education: Challenges and prospects. *Dialogi! Theory and Practice in Educational Sciences*, 6 (special issue: "Differentiated instruction: From research to practice", in Greek), 78-96.

<https://ejournals.epublishing.ekt.gr/index.php/dialogoi/article/view/25547>

### **National peer-reviewed journals (Greek)**

Fousteri, A. & Papandreou, M. (2021). '...Paw Patrol, PJ Masks and toy cars, nothing more': Listening to children's perspectives on toys *OMEP: Researching Children's World*, 17, 34-49. doi: <https://doi.org/10.12681/icw.26158>

Tsiouli, M & Papandreou, M., (2019). Investigating children's spontaneous 'mathematical play' in kindergarten. *Research in Mathematics Education*, 12, 42-62, doi: <http://dx.doi.org/10.12681/enedim.21171>



- Vellopoulou, A. & Papandreou, M. (2014). Strengthening children's personal identity in kindergarten. *OMEP: Researching Children's World*, 13, 54-62. doi: <https://doi.org/10.12681/icw.17915>
- Kontopoulou, M., Vellopoulou, A., Kampeza, M., Panagiotou, V., Psychidou, P., Birbili, M., & Papandreou, M. (2014). Approaching personal and social development in the new early childhood curriculum. *Researching Children's World*, 13, 200-210. doi: <https://doi.org/10.12681/icw.17938>
- Birbili, M., Papandreou, M., Gregoriadis, A., & Ippeki, V. (2014). Interviews as a tool for getting to know children: Student teachers' experiences. *Erevna stin Ekpedefsi (Research in Education)*, 1, (special issue: "Improving teacher training in times of institutional crisis: Suggestions"), 32-53. doi: <https://doi.org/10.12681/hjre.8936>
- Papandreou, M. (2011). Designing meaningful mathematical activities for Kindergarten children *OMEP: Researching Children's World*, 10, 57-69. doi: <https://doi.org/10.12681/icw.18056>
- Komis, V. & Papandreou, M. (2005). ICT in early childhood education: a critical approach of the Greek early childhood curriculum (DEPPS). *OMEP: Researching Children's World*, 6, 59-75. doi: <https://doi.org/10.12681/icw.18402>
- Tantaros, S. Koliopoulos, D. Papandreou, M. Ravanis, K. (2004). 'Flotation' and 'sinking': precursor models and symbolic representations. *Teaching of Science - Research and Practice (special issue: Kindergarten)*, 7, 31-36.
- Papandreou, M. (2003). Mathematics, Science and ICT in kindergarten challenge or necessity? *O.M.E.P. Researching Children's World*, 5, 123-135. doi: <https://doi.org/10.12681/icw.18097>

### **Book edited**

- Mclachan, C., Fler, M. & Edwards, S. (2017). (Translated from English) *Early Childhood Curriculum: Planning, Assessment and Implementation* (Preface & Introduction for the Greek Edition pp 12-42). Athens: Gutenberg.

### **Book Chapters (refereed Greek)**

- Birbili, M., & Papandreou, M. (2020). Creating open play and learning spaces in an urban environment: the case of pop-up adventure play. In K. Tsoukala, D. Germanos, A. Gloumbou, G. Katsavounidou, P. Panteliadou & P. Tombrou (Eds.). *Narrating children's space: city - play - education*. Athens: Epikentro.
- Papandreou, M. (2019). Free play activities as context for investigating and optimising children's Science funds of knowledge and interests. In P. Pantidos, *The role of Science in early childhood education* (pp 139-155). Athens: New Technologies Publications.



- Papandreou, M. (2017). Introduction for the Greek edition, In C. Mclachan, M., Fleer, & S. Edward, *Early Childhood Education: Planning, Assessment and Implementation* (pp 14-42). Athens: Gutenberg.
- Gregoriades, A, Birbili, M. & Papandreou, M. (2016). Interview as a tool for getting to know children., In S. Avgitidou, M. Tzekaki & B. Tsafos (Eds). *Preservice Teachers Observe, Intervene and Reflect: Suggestions for Supporting Students' Practicum*. Athens: Gutenberg.
- Gregoriades, A, Birbili, M. & Papandreou, M. (2016). Teacher-parents' interviews, In S. Avgitidou, M. Tzekaki & B. Tsafos (Eds). *Preservice Teachers Observe, Intervene and Reflect: Suggestions for Supporting Students' Practicum*. Athens: Gutenberg.
- Birbili, M. & Papandreou, M. (2016). «You put a mark with the mouse on the angry bird and then you move the mouse back and then you shoot»: Encouraging literacy with children's favorite toys. In E. Chontolidou, R. Tsokalidou, F. Tentolouris, A. Kiridis, K. Vakalopoulos (Eds.), *In memory of Sofronis Chatzisavvidis. Linguistic and Pedagogical Approaches* (pp. 588-609). Athens: Gutenberg.
- Papandreou, M., Kalogiannidou, A., Karagiorgou, I, Sofianopoulou I. (2015). Developing a parent-teacher partnership project fostering numeracy development in kindergarten classes. In P. Cyprianos & J. P. Pourtois, *Famille, Ecole, Sociétés locales* (pp. 171-288). Patras: OPPORTUNA.
- Papandreou, M., Kampeza, M. & Vellopoulou, A. (2014). Eliciting children's thinking about natural phenomena in Kindergarten: teaching practices and processes. In P. Kariotoglou & V. Papadopoulou (Eds) *Sciences and environment in Early Childhood Education: Trends and recommendations* Athens: Gutenberg Editions.
- Papandreou, M., Gregoriadis, A., & Birbili, M. (2013). Student teachers evaluate process of assessing young children's prior knowledge during teaching practicum. In A. Androusou & S. Avgitidou (Eds.), *Teaching practicum in initial teacher training: Research approaches* (pp. 39-68). Athens: Teaching Practicum Network. (In Greek) [http://www.ecd.uoa.gr/?page\\_id=2865](http://www.ecd.uoa.gr/?page_id=2865)
- Papandreou, M., & Terzi, M. (2013). The process of exploring children's ideas as a pedagogical practice and tool for planning science activities in Kindergarten. In A. Demetriou (ed.) *Nature and environment concepts in early childhood education*. Research evidence, methodological approaches and teaching practices. (pp. 41-52). Athens: Epikentro Editions.
- Papandreou, M. (2011). 'Me and my shadow': Preschooler's drawing within a teaching intervention for the formation of shadow In K. Plakitsi, *Sociocognitive and sociocultural approaches to science in early childhood* (pp. 362-375). Athens: Patakis Editions.
- Papandreou, M. (2010). Storytelling and semiotic activity in kindergarten: the development of mathematical problems with meaning for the preschoolers. In D. Germanos & M. Kanatsouli(Eds). *Contemporary pedagogical approaches in early childhood education* (σελ. 149-170). Thessaloniki: University Studio Press.

- Papandreou, M. (2008). 'The snowman who wanted to go to North Pole': Variations in a fairy-tale by Kindergarteners during the elaboration of specific thermal phenomena" In D. Kakana & G. Simouli (eds) *The early childhood education in 21<sup>st</sup> century: Theoretical approaches and teaching practices* (pp. 356-364). Thessaloniki: Epikentro
- Papandreou, M. (2008). Designing learning activities for the kindergarten: A case from Science teaching. In V. Xristidou (Eds) *Teaching Science young children: Research approaches and pedagogical practices* (pp. 330-344). Thessaloniki: Kyriakidis Editions.
- Vellopoulou, A. & Papandreou, M. (2001). Science in kindergarten: ...after the experimentation process what? Evaluation of a teaching intervention for time concepts. In K. Ravanis (eds) *Introducing young children in Science* (pp. 149-155). Patras, personal edition

### **Conference Presentations with Proceedings (refereed)**

#### **Selected Conference Presentations, 2000 – present**

- Papandreou, M., & Natsiou, G. (2020). Preservice teachers draw the 'ideal' preschool teacher. In E. Gourgiotou, D-M. Kakana, M. Birbili, & K-A. Xatzopoulou (Eds.), *Proceedings of the 2nd National Conference of the Student Practicum Network, "Teacher education and Departments of Education, 30 years after: Facing the new challenges"* (pp.226-243). Volos: Thessaly University Editions.
- Gregoriadis, A., Birbili, M., Papandreou, M., & Kakana, D-M. (2020). Challenges in identifying critical incidents in student practicum. In E. Gourgiotou, D-M. Kakana, M. Birbili, & K-A. Chatzopoulou (Eds.), *Proceedings of the 2nd National Conference of the Student Practicum Network, "Teacher education and Departments of Education, 30 years after: Facing the new challenges"* (pp. 74-87). Volos: Thessaly University Editions.
- Papandreou, M., Liolia, F., & Kakalianti, E. (2019). Supporting children to bring their funds of knowledge in kindergarten classrooms: Partitipatory approaches allowing children's voice to be heard. In Androutsou, A., et al (Eds), *From here and everywhere Educational reform and practice for an open school: Proceedings of the 11<sup>th</sup> Greek OMEP Conference* (pp. 299-310). <http://www.omep.gr/συνέδρια/241-11ο-συνέδριο.html>
- Vellopoulou, A., Papandreou, M., & Stavrotheodorou E. (2019). 'In Athens I saw refugees, they were a little bit black': Kindergarteners' perspectives of 'foreigners'. In Androutsou, A., et al (Eds), *From here and everywhere Educational reform and practice for an open school: Proceedings of the 11<sup>th</sup> Greek OMEP Conference* (pp. 189-199) <http://www.omep.gr/συνέδρια/241-11ο-συνέδριο.html>
- Papandreou, M., & Dragouni, K. (2019). Exploring children's views and communicational strategies in a multicultural kindergarten classroom. In E. Theodoropoulou & A. Tsimpidaki (Eds), *EduTopia: Proceedings of the 1<sup>st</sup> Panhellenic Conference for Students*. University of the Aegean.

- Kostantinidou, Z. & Papandreou, M. (2018). Length measurement as a cultural practice in the kindergarten using appropriate educational material, In Ch. Skoumpourdi & M. Skoumios (eds.), *Conference Proceedings of the 3d Greek Conference "Educational material for Mathematics and Science: Different uses and crossing learning paths"*, (pp. 237-246). Rhodes: Learning Technology and Educational Engineering Laboratory. and Science Laboratory Aegean University <http://ltee.aegean.gr/sekpy>
- Papandreou, M., Sofianopoulou I., Kalogiannidou, A. & Birbili, M. (2015). 'I stretch it and I see how tall I am'. Kindergarteners represent graphically their ideas about 'meter' and its function. In Desli, D., I. Papadopoulos & M. Tzekaki (Eds), *Proceedings of the 6<sup>th</sup> Conference of the Greek Association for Research in Mathematics Education (G.A.R.M.E): Mathematics with distinction and without discriminations* (pp. 570-579). Thessaloniki: G.A.R.M.E <http://enedim6.web.auth.gr/> (Greek)
- Kanaki, M. & Papandreou, M. (2015). Investigating how well early childhood educators know their students' individualities (needs, interests and learning styles) in the frames of differentiated instruction. In A. Montgomery & Δ. Καραγιάννη (Eds.), *1<sup>st</sup> International Conference on Reimagining Schooling, 28<sup>th</sup>/29<sup>th</sup> June 2013*, (pp. 187-200). University of Macedonia, Thessaloniki, Greece. (Greek).
- Papandreou, M. (2014). Mediating kindergarteners' thinking through drawing activity. In M. Tzekaki & M. Kanatsouli, *Panhellenic Conference with International Participation, Reflections on Childhood* (pp. 195-197), Thessaloniki: School of Early Childhood Education, AUTH. <http://www.nured.auth.gr/congress2014> (Greek)
- Papandreou, M. & Tokmakidou, M. (2011). Mathematical problem solving and 1st graders' reflection In M. Kaldrimidou, *4th Conference ENEDIM: The classroom as a space for developing mathematical activities*. Ioannina, University of Ioannina, Greece, (pp. 391-400), ISBN: 978-960-93-3533-1. <http://enedim2011.uoi.gr/index.htm> (Greek)
- Papandreou, M. (2009). Preschoolers' semiotic activity: additive problem-solving and the representation of quantity. In Tzekaki, M., Kaldrimidou, M. & Sakonidis, C. (Eds.). *Proceedings of the 33<sup>th</sup> Conference of the International Group for the Psychology of Mathematics Education*, Vol. 4. pp. 321-328. Thessaloniki, Greece: PME.
- Papandreou, M. & Karagiorgou, I. (2009). Parents' involvement in their children's mathematical learning and assessment: a case from Kindergarten. In F. Kalavasis, S. Kafousi, M. Chionidou-Moscofoglou, X. Skoumbourdi, G. Fesakis, *3d Conference ENEDIM: Mathematical teaching and family practices* (pp. 203-212). Rhodes: University of Aegean, Greece. (Greek)
- Papandreou, M. (2011). Giving meaning to mathematical tasks through semiotic activity in kindergarten class. In N. Stellakis & M. Efstathiadou (Eds), *Proceedings of the OMEP European conference Cyprus: Perspectives of creativity and learning in early childhood"* (pp. 618-627). ISBN:978-9963-7377-0-3. [http://www.omep.com.cy/images/media/assetfile/conference\\_proceegins.pdf](http://www.omep.com.cy/images/media/assetfile/conference_proceegins.pdf)

- Papandreou, M. (2009). Teacher-parents partnership: fostering parents' involvement in their children's education. In M. Paramythiotou & C. Angelaki (Eds), *Proceedings of the OMEP European regional conference 2009. "Current issues in preschool education in Europe: Shaping the future"* (pp. 424-436). ISBN: 978-960-89439-4-0.  
[http://www.omep.gr/texts/Conference\\_proceedings\\_Syros.zip](http://www.omep.gr/texts/Conference_proceedings_Syros.zip)
- Papandreou, M., Birbili, M. & Martidou, P. (2009). Parents' perceptions of the role of kindergarten and their involvement in children's education. In M. Paramythiotou & C. Angelaki (Eds), *Proceedings of the OMEP European regional conference 2009. "Current issues in preschool education in Europe: Shaping the future"* (pp. 437-452). ISBN: 978-960-89439-4-0. (Greek) [http://www.omep.gr/texts/Conference\\_proceedings\\_Syros.zip](http://www.omep.gr/texts/Conference_proceedings_Syros.zip)
- Papandreou, M. (2008). Prior learning and experiences: Old and new approaches and the challenge of the Greek Early Childhood Curriculum (DEPPS) In P. Koumaras, F. Seroglou (Eds), *Science curriculum and books: Proceedings* (pp. 385-391). Thessaloniki: Cristodoulidis editions. (Greek)
- Papandreou, M. (2007). Kindergarteners's notations when a fairy-tale gives meaning to mathematical problem solving In A. Vellopoulou (Ed.) *6<sup>th</sup> Conference OMEP: The language as a means and learning subject in early childhood education* (pp. 298-306). Patras, Greece: University of Patras, 1-3/6/2007. ISBN 978-960-89439-1-9. (Greek)
- Papandreou, M. (2005). Meaningful mathematical activities through children's literature. In D. Germanos et al (eds) *4<sup>o</sup> Greek conference OMEP: Thematic approach for teaching and learning in early childhood* (pp. 319-327). Athens: Ellinika Grammata.
- Zacharos, K. & Papandreou, M. (2004). Mathematics in kindergarten: A critical analysis of DEPPS, In G. Mpagakis (Ed.), *The teacher and the curriculum* (pp. 363-371). Athens: Metechmio
- Tantaras, S. Koliopoulos, D. Papandreou, M. Ravanis, K. (2003). Notational practices within activities of preschoolers' constructions of scientific knowledge. *10th conference of the European association for research on learning and instruction (EARLI)*. University of Padova, Padova, August 26-30, 2003.

### National educational journals (Greek)

- Papandreou, M. (2020). Redefining the role of drawing activity in young children's learning: A collaborative professional development project. *Dialogi! [Dialogues] Theory and Practice in Educational Sciences*, 5, 168-179. doi:  
<http://dx.doi.org/10.12681/dial.21996>
- Tsakirpaloglou, P., & Papandreou, M. (2020). "My brother tells me that I make scribbles when I draw": Seeing scribbles otherwise through a project with very young children. *Dialogi! [Dialogues] Theory and Practice in Educational Sciences*, 5, 210-226. doi:  
<http://dx.doi.org/10.12681/dial.22000>

## Curriculum Vitae

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Papandreou, M. (2013). Parents' involvement in their child's assessment. *Contemporary Kindergarten*, 94, 66-72.

Papandreou, M., Siampani, E. & Doumou, S. (2011). The importance of drawing activity in the Kindergarten: Children's interaction during problem solving through drawing. *Contemporary Kindergarten*, 83, 118-126.

Tsirli, F. & Papandreou, M. (2011). The development of Kindergarteners' semiotic activity in the art's area: recommendation for organizing and planning in arts' area. *Contemporary Kindergarten*, 83, 112-117.

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## Other Writing in Greek (selected)

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### Educational material (selected, in Greek)

1. Papandreou, M. Kalogiannidou, A., & Sofianopoulou, I. (2020). *Solving problems and programming with Bee-Bot and drawing: Educational material for the development of mathematical and computational thinking in kindergarten*. Athens: OMEP (ebook) ISBN: 978-618-84599-1-5. Διαθέσιμο από <https://www.omep.gr/e-books-e-yliko.html>
2. Educational material in five languages for the project: "Dialogue – Communication between school and bilingual families". Funded by The Stavros Niarchos Foundation (SNF), 2010-2011.
  - Papandreou, M. *The world of mathematics and the young children*. <http://www.polydromo.gr/dialogos/learn.html>
  - Papandreou, M. *Math games at home I*. <http://www.polydromo.gr/dialogos/activities.html>
  - Papandreou, M. *Math games at home II*. <http://www.polydromo.gr/dialogos/activities.html>
  - Papandreou, M. & Birbili, M. *Activities for the family: From school to home* <http://www.polydromo.gr/dialogos/activities.html>
  - Birbili, M. & Papandreou, M. *Activities for the family: From school to the kitchen* <http://www.polydromo.gr/dialogos/activities.html>
3. Papandreou, M. (2006-2009). Educational material for the teaching of math and science in the kindergarten in the educational journal: "A window to children's education", 21 papers in the Volumes: 25-27, 30, 32, 33, 35, 39-47, 51, 54, 59.
4. Papandreou, M. (2000). *Learning and Creativity: Learning activities for the introduction of young children in mathematics and problem solving* (for children 5-8 years old). Athens: Ellinika Grammata.
5. Papandreou, A. & Vellopoulou, A. (2000). *Learning and Creativity: Learning activities for the use and the function of PC* (for children 5-8 years old). Athens: Ellinika Grammata.



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## Other Scientific Activities

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- **President of the Scientific Committee**, 13o Panhellenic Conference "*Understanding and promoting children's play in the 21st century, for a better future*". 26-28, May, Aristotle University of Thessaloniki
- **Peer Reviewed Conference referee**
  - 72o World Assembly OMEP, 2021 «*Early Childhood Education in the 21st century: new perspectives and dilemmas*»
  - *EECERA Conference, 2019, "Early Years: Making it Count"* Thessaloniki, Greece 20th August - 23rd August 2019
  - *Colloque SIEST Méditerranée 2019 Education scientifique et technologique pour tous (SIE ST 2019) Patras du 03 au 05 Avril 2019, Université de Patras - (Grèce)*
  - *12<sup>th</sup> Conference of the Greek Committee of OMEP (Organisation Mondial pour l'Education Préscolaire), University of Patras, Early Childhood Education Department. Patras, November 1-3, 2o19*
  - *11<sup>th</sup> Conference of the Greek Committee of OMEP (Organisation Mondial pour l'Education Préscolaire): Educational changes for an open school, National and Kapodistrian University of Athens, 3-5/11/2017.*
  - *6<sup>th</sup> Conference of the Greek Association for Research in Mathematics Education (G.A.R.M.E): Mathematics with distinction and without discrimination Thessaloniki, AUTH (4-6/12/2015).*
  - *INSITE: International Symposium "New Issues on Teacher Education" September 11 - 13, 2015. University of Thessaly, Volos, Greece. <http://isnite2015.uth.gr/node/13?language=en>*
  - *Panhellenic Scientific Conference: Reflecting Early childhood Thessaloniki: Aristotle University of Thessaloniki (31/10-1/11/2014)*
  - *7<sup>th</sup> Panhellenic Scientific Conference (ΕΕΕΠ-ΔΤΠΕ): The future of learning Piraeus (2010).*
  - *3<sup>th</sup> Conference of the Greek Association for Research in Mathematics Education (G.A.R.M.E) Mathematics education and family practices, Rhodes, Aegean University (29-31/10/2009).*
- **Member of the scientific committee and the editorial board** of the Journal 'Dialogi! Theory and Praxis in Education (2014-2016)
- **Conference scientific committees (Member)**
  - *Panhellenic Conference «Psychology and Sociology of Childhood: Parallel 'monologues' or dialogical practices?» 20 -22 January 2023, School of Education, AuTH.*

## Curriculum Vitae

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- 12<sup>o</sup> Panhellenic Conference of Science in Early Childhood Education: « *From scientific practices and experimentation to exploration and STE(A)M: a new era of synthesis*» University of West Macedonia, Florina, 4-6/11/2022.
- *EECERA Conference, 2019, "Early Years: Making it Count"* Thessaloniki, Greece 20th August - 23rd August 2019
- Colloque SIEST Méditerranée 2019 Education scientifique et technologique pour tous (*SIEST 2019*) Patras du 03 au 05 Avril 2019, Université de Patras - (Grèce)
- 12<sup>th</sup> *Conference of the Greek Committee of OMEP* (Organisation Mondial pour l'Education Préscolaire)., University of Patras, Early Childhood Education Department. Patras, November 1-3, 2019
- 11<sup>th</sup> *Conference of the Greek Committee of OMEP* (Organisation Mondial pour l'Education Préscolaire): Educational changes for an open school, National and Kapodistrian University of Athens, 3-5/11/2017.
- INSITE: International Symposium "New Issues on Teacher Education" September 11 - 13, 2015. University of Thessaly, Volos, Greece.  
<http://isnite2015.uth.gr/node/13?language=en>
- *XVème Congres AIFREF* (Association Internationale de Formation et de Recherche en Éducation Familiale) «*Famille, Ecole, Sociétés Locales: Politiques et Pratiques pour l'Enfance*», Université de Patras, Grèce 22 - 26 mai 2013.
- European Conference of OMEP, "*Perspectives of Creativity and Learning in Early Childhood*" Nicosia, Cyprus May 6 - 8, 2011.  
<http://www.omep.com.cy/easyconsole.cfm/id/28>
- 7<sup>o</sup> Panhellenic Scientific Conference (ΕΕΕΠ-ΔΤΠΕ): *The future of learning* Piraeus (2010)
- 3<sup>th</sup> *Conference of the Greek Association for Research in Mathematics Education (G.A.R.M.E) Mathematics education and family practices*, Rhodes, Aegean University (29-31/10/2009). [http://enedim2009.ltee.gr/?page\\_id=7](http://enedim2009.ltee.gr/?page_id=7)
- **Conference organising committees (Member)**
  - 2<sup>th</sup> *Panhellenic Conference of the Practicum Network. Teachers' Education and University Studies, 30 years after: Confronting New Challenges*, University of Thessaly, 28-30/9/2018
  - 10<sup>th</sup> *Conference for Science in Early Childhood Education (SECE)*. Thessaloniki, AUTH, 4-6/5/2018
  - 6<sup>th</sup> *Conference of the Greek Association for Research in Mathematics Education (G.A.R.M.E): Mathematics with distinction and without discrimination* Thessaloniki, AUTH (4-6/12/2015)



### Invited Talks, Presentations, Training Seminars (selected)

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- Papandreou, M. *Valuing young children's lives and connecting curriculum with their funds of knowledge and interests*. European OMEP Conference "Quality and Equality in Early Childhood Education and Care" 4-7 May, 2023, Cyprus, Frederick University and Cyprus University of Technology.
- «*Drawing activity in early childhood education: Tool of learning and teaching*» A professional development project. Early Childhood Center of Aristotle University of Thessaloniki. November-Mai, 2017-18.
- "*Early science education through play: The teacher's role*", Professional development seminar for early childhood and primary teachers, Directorate of Primary Education, East Macedonia and Thrace 19/1/2018 (in collaboration of Vellopoulou, A.)
- "*Observing and fostering children' play: learning opportunities in the kindergarten*", 40<sup>th</sup> School District of Early Childhood Education, 19/1/2018
- "*Mathematical learning and assessment in early childhood education*" 59<sup>th</sup> School District of Thessaloniki, 2016.
- "*The acknowledgment of children's diversity and the implementation of differentiated instruction in early childhood*" 60<sup>th</sup> School District of Thessaloniki, 2015
- "*The acknowledgment of children's diversity and the implementation of differentiated instruction in early childhood*" 61<sup>th</sup> School District of Thessaloniki, 2014
- "*Science education in early childhood: Children's prior experience and ideas as a base for the designing science curriculum*" OMEP, Athens' Department 9/11/2012.
- "*Drawing activity, a learning and teaching tool for the development of mathematical reasoning in early childhood*" 9<sup>th</sup> School District of Ioannina, 9/11/2011.
- "*Designing science curriculum in Kindergarten*" 50<sup>th</sup> School District of Chania, Crete, 24/4/2010.
- "*Contemporary approaches for the teacher-parents partnership*" 61<sup>th</sup> School District of Thessaloniki, 17/6/2010.
- "*Semiotic activity and early childhood mathematics: Designing meaningful activities*" OMEP, Patras' department and 6<sup>th</sup> School District of Achaia, Patras, 26/2/2010.
- "*Contemporary approaches for the teacher-parents partnership*", OMEP, Patras' department and 6<sup>th</sup> School District of Achaia, Patras, 27/2/2010.
- "*Early childhood mathematics: new approaches*", 50<sup>th</sup> School District of Chania, Crete, 13/3/2009.

# Curriculum Vitae

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Citations Google Scholar 05/10/2023

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*\*Google scholar*

# Curriculum Vitae



**Maria Papandreou** ✎

ΑΚΟΛΟΥΘΕΙΤΕ

Associate Professor, Faculty of education, School of Early Childhood Education, [Aristotle University](#)

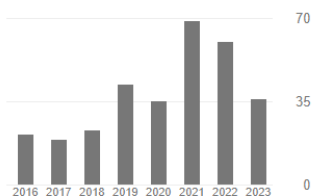
Η διεύθυνση ηλεκτρονικού ταχυδρομείου έχει επαληθευτεί στον τομέα nured.auth.gr - [Αρχική σελίδα](#)

[Early childhood education](#) [children's participation](#) [drawing activity](#) [early science education](#) [early mathematics education](#)

ΤΙΤΛΟΣ	ΠΑΡΑΤΙΘΕΤΑΙ ΑΠΟ	ΕΤΟΣ
<input type="checkbox"/> <a href="#">Communicating and thinking through drawing activity in early childhood</a> M Papandreou Journal of Research in Childhood Education 28 (1), 85-100	131	2014
<input type="checkbox"/> <a href="#">Preschool children's ideas about floating: A qualitative approach</a> D Koliopoulos, S Tantaros, M Papandreou, K Ravanis Journal of Science Education 5 (1), 21-24	50	2004
<input type="checkbox"/> <a href="#">Teaching activities for the construction of a precursor model in 5- to 6-year-old children's thinking: the case of thermal expansion and contraction of metals</a> K Ravanis, M Papandreou, M Kampeza, A Vellopoulou European Early Childhood Education Research Journal 21 (4), 514-526	41	2013
<input type="checkbox"/> <a href="#">Exploring children's ideas about natural phenomena in kindergarten classes: designing and evaluating 'eliciting activities'</a> M Papandreou, M Terzi Review of Science, Mathematics and ICT Education 5 (2), 27-47	25	2011
<input type="checkbox"/> <a href="#">Noticing and understanding children's everyday mathematics during play in early childhood classrooms</a> M Papandreou, M Tsiouli International Journal of Early Years Education 30 (4), 730-747	23	2022
<input type="checkbox"/> <a href="#">Οι τεχνολογίες της πληροφορίας και των επικοινωνιών στην προσχολική εκπαίδευση: μια κριτική προσέγγιση του διαθεματικού ενιαίου πλαισίου προγράμματος σπουδών</a> Μ Κόμης, Β. & Παπανδρέου Ο.Μ.Ε.Ρ. Ερευνώντας τον Κόσμο του Παιδιού 6, 59-75	21 *	2005
<input type="checkbox"/> <a href="#">Continuing professional development in the Greek early childhood education system</a> A Gregoriadis, M Papandreou, M Birbili Early Years 38 (3), 271-285	18	2018
<input type="checkbox"/> <a href="#">Preschoolers' semiotic activity: additive problem-solving and the representation of quantity</a> M Papandreou Proceedings of the 33rd Conference of the International Group for the ...	17	2009
<input type="checkbox"/> <a href="#">Investigating the teacher's roles for the integration of science learning and play in the</a>	10	2019

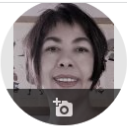
Παρατίθεται από **ΠΡΟΒΟΛΗ ΟΛΩΝ**

	Όλα	Από το 2018
Παραθέσεις	370	273
h-index	9	8
i10-index	9	8



Συν-συγγραφείς **ΕΠΕΞΕΡΓΑΣΙΑ**

- Angeliki Vellopoulou** >
- Konstantinos Ravanis**  
Professor of Physics Education, ... >
- DIMITRIOS KOLIOPOULOS**  
Professor of Science Education ... >
- Spyridon Tantaros**  
National & Kapodistrian Universit... >
- Maria Birbili**  
Aristotle University of Thessaloniki >
- Maria Kampeza**  
Assistant Professor, Early Childh... >
- Athanasios Gregoriadis or**  
Αθανάσιος... >  
Aristotle University of Thessaloni...



**Maria Papandreou** ✎

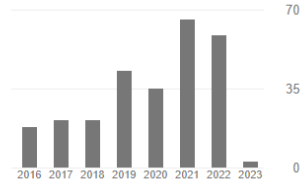
ΑΚΟΛΟΥΘΕΙΤΕ

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[Early childhood education](#) [children's participation](#) [drawing activity](#) [early science education](#)  
[early mathematics education](#)

ΤΙΤΛΟΣ	ΠΑΡΑΤΙΘΕΤΑΙ ΑΠΟ	ΕΤΟΣ
<input type="checkbox"/> <b>Communicating and thinking through drawing activity in early childhood</b> M Papandreou Journal of Research in Childhood Education 28 (1), 85-100	120	2014
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<input type="checkbox"/> <b>Continuing professional development in the Greek early childhood education system</b> A Gregoriadis, M Papandreou, M Birbili Early Years 38 (3), 271-285	16	2018
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<input type="checkbox"/> <b>Investigating the teacher's roles for the integration of science learning and play in the kindergarten</b>	7	2019

Παρατίθεται από **ΠΡΟΒΟΛΗ ΣΤΑΘΝ**

	Όλα	Από το 2018
Παραθέσεις	330	235
h-index	8	7
i10-index	8	7



Συν-συγγραφείς **ΕΠΕΞΕΡΓΑΣΙΑ**

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