

# Curriculum Vitae

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## A. EDUCATION

- 1985: BSc in Physics, Aristotle University of Thessaloniki, Greece
- 1987: Postgraduate Degree in Meteorology, Department of Physics, University of Athens
- 1994: Postgraduate Studies in Environmental Sciences, Department of Environment, University of the Aegean
- 1998: PhD in Environmental Sciences, Department of Environment, University of the Aegean
- 2002: Post doctoral Research. Greek National Scholarships Foundation, Scientific Area: teacher education. Research Topic: «Natural and environmental Concepts. Development of teaching material for Distance Learning». (*research coordinator: B. Hatzinikita, Associate Professor, Greek Open University*).

## B. WORKING EXPERIENCE

- 2000-2002: Project manager in Educational Programs (Environmental Issues, Risk Assessment at Work Place, Hellenic Institute for Occupational Health and Safety (Thessaloniki)
- 2001-2003: Adjunct Lecturer (in Environmental Education), Department of Primary Education, University of the Aegean
- 2001-2003: Tutor, in-service and pre-service teachers’ formation programs (science and environmental education)
- 2003: Adjunct Lecturer, Department of Education Sciences in Early Childhood, University of Thrace
- 2003-2010: Assistant Professor, Department of Education Sciences in Early Childhood, University of Thrace

- 2004-2018: Director of the Laboratory of Research and Communication for the Environment and Environmental Education at the Department of Education Sciences in Early Childhood, Democritus University of Thrace
- 2004-2023: Tutor in the Science Education post-graduate course of the Hellenic Open University (module: Introduction to Natural and Human Environment)
- 2004-07-2020-22: Coordinator of the postgraduate module “Introduction to Natural and Human Environment”, Master’s in Education program, Hellenic Open University
- 2009-15-2010-2016: Postgraduate Programme ‘Education for the Environment and Sustainable Development, University of Frederick, Cyprus (teaching)
- 2016: Associate Professor, Department of Education Sciences in Early Childhood, University of Thrace
- 2014-2016: Head of Department at the Department of Education Sciences in Early Childhood, University of Thrace
- 2015-2018: Director of the Postgraduate Programme Education for the Environment and Sustainability, Department of Education Sciences in Early Childhood, University of Thrace
- 2016-2019: Professor, Department of Education Sciences in Early Childhood, University of Thrace
- 2019-: Professor, School of Early Childhood Education, Aristotle University of Thessaloniki
- 2019-: Director of the Postgraduate Programme ‘Education for the Sustainability-Educational Science’ School of Early Childhood Education, Aristotle University of Thessaloniki

## C. PUBLICATIONS

Publications, [dissertations, books, peer-reviewed articles (articles in scientific journals, chapters in books, publications in conference proceedings)]. Indicative publications are listed below:

### Dissertation

1. Dimitriou, A. (1998). *Methyl bromide and bromine ion in soil after experimental greenhouse fumigation*. Unpublished PhD Thesis (in Greek), Environmental Sciences, Department of Environment, Aegean University.

### Books

1. Dimitriou, A. (2001). *Health Education and Environmental Education – Exposure and protection from hazardous substances. An Educators guide*, Athens: Greek Institute of Health and Safety in Work. (EA.IN.Y.A.E). (pp. 90). ISBN: 960-7678-34-6 (in greek)

2. Dimitriou, A. (2001). *Health Education and Environmental Education – Exposure and protection from hazardous substances. Students’ book*. Athens: Greek Institute of Health and Safety in Work. (ΕΛ.ΙΝ.Υ.Α.Ε). (pp. 57). ISBN: 960-7678-35-4 (in greek)
3. Kaila M., Theodoropoulou E., Dimitriou A., Athanasatos N. (Ed.) (2005). *Environmental Education, Research Data /Outcomes and Educational Development*. Athens: Atrapos. (in greek)
4. Dimitriou, A. (2009). *Environment, Sustainability and Education. Theoretical and methodological approaches*. Thessaloniki: EPIKENTPO (in greek)
5. Dimitriou A., Xanthakou, P., Liarakou, G., & Kaila M., (Ed.) (2009). *Environmental education: theoretical issues, research and educational application*. Athens: Atrapos. (in greek)
6. Dimitriou, A. (2013). *Concepts of science and the environment in preschool age. Research data, methodological approaches and educational practices*. Thessaloniki: EPIKENTPO (in greek).
7. Georgopoulos, A., Nikolaou. K., Dimitriou, A. Gavrilakis, C. & Mplionis, G. (2014). *Earth, a fragile planet*. Athens: Gutenberg. (in greek)
8. Dimitriou, A., Mandouvalos I., Theodorides, A (2016). Examination of the environmental, historical, societal and anthropological factors as critical tool for the environmental education for the environment and sustainability. The case of the environmental landscape of Alexandroupolis. Alexandroupolis: Laboratory of Research and Communication for the Environment and Environmental Education at the Department of Education Sciences in Early Childhood, Democritus University of Thrace ISBN: 978-618-5182-02-01. (in greek)

**Peer-reviewed articles** (articles in scientific journals, chapters in books, publications in conference proceedings) Indicative publications are listed below:

1. Dimitriou, A., & Hatzinikitas, A. (2004). Individuals’ contribution to controlling environmental issues: Cognition and will for action by kindergarten teachers. *Teaching of Natural Sciences – Research and Practice*, 8-9, 14-21. (in greek)
2. Dimitriou, A., & Christidou, V. (2005). Designing environmental education programmes on solid waste and their management: a proposal for pre primary and lower primary education. *Exploring Children’s world*, 6, 23-43. (in greek)
3. Dimitriou, A., & Christidou B. (2005). Solid waste management issues: Conceptual understanding and primary pupils’ suggestions. In: D. Coliopoulos & A. Vavouraki (Ed.), *Teaching Natural Sciences: 21<sup>st</sup> Century Challenges- Texts for Pre-Primary and Primary Education* (pp. 69-80). Athens: Association of Science Education (Ε.ΔΙ.ΦΕ.). (in greek)
4. Dimitriou, A. (2005). Environmental Education as a means for developing collaboration between people, social justice, peace and culture. In: Georgopoulos A. (Ed.), *Environmental Education. A new culture emerging* (pp. 321-340). Athens: Gutenberg. (in greek)

5. Dimitriou, A. (2005). Primary teachers' perceptions on environmental issues. In: Kaila, M., Theodoropoulou E., Dimitriou A., & Anastasatos N., (Ed.), *Environmental Education, Research Data and Educational Development* (pp. 114-124). Athens: Atrapos. (in greek)
6. Dimitriou, A., & Costopoulou, A. (2005). Interest, Attitudes and Behaviour of Pre-School Teacher Students on Environmental issues. *6<sup>th</sup> Hellenic Environmental Conference. Complete Development and Environment*. Greek Physicists Union. Thessaloniki, 9 –12 December 2004, 269-272.
7. Dimitriou, A. (2005). Taking Measures for environmental protection: pre-school teacher students' suggestions. *2<sup>nd</sup> Symposium for Environmental Education*. "Inspiration, Reflection and Imagination in Environmental Education ". Greek Association for the Protection of the Environment and Cultural Heritage, University of Pireas, UNESCO Group. April 2005 (published in conference proceedings: electronic edition).
8. Dimitriou, A., Hatzinikita, V., & Christides, V. (2005). Greek citizens' conception about solid waste management: knowledge and willingness for participation, *Proceedings of 9<sup>th</sup> Conference on Environmental Science and Technology* – Rhodes, Greece, Sept., 289-298
9. Dimitriou, A. (2006). Kindergarten and primary school student teachers' conceptions of environment. In M. Salomone (Ed.), *Educational paths towards sustainability. Proceedings of 3rd World Environmental Education Ccongress*, Torino-Italy: WEEC, 158-162
10. Dimitriou, A., & Tsoukali H. (2006), Risk assessment due to use of chemicals in a toxicology laboratory: a case study. *Global NEST Journal*, 8 (3), 330-334
11. Dimitriou, A., & Christidou, V. (2007). Pupils' understanding of air pollution. *Journal of Biological Education*, 42, 24-29.
12. Georgopoulos, A., Dimitriou, A., & Birbili, M. (2008). Kindergarten teachers' theories on environmental education. *Science and Technology issues in Education*, 1 (1), 59 - 78. (in greek)
13. Dimitriou, A., Georgopoulos, A., & Birbili, M. (2008). Kindergarten teachers' Ideas and Practices on Implementing Environmental Education. *Science and Technology issues in Education* 1 (2), 199 - 218. (in greek)
14. Dimitriou A., Desli D., Malkopoulou, E. (2008). Measurement and interpretation of meteorological parameters in kindergarten: educational interventions. In: B. Christidou (Ed.), *Teaching young children in natural sciences* (pp. 257-272). Thessaloniki: Kyriakides. (in greek)
15. Dimitriou, A. (2008). The Perceptions of educators, pupils and citizens of issues concerning the environment and environmental issues. In: B. Hadjinikitas (Ed.), *Introduction into the Natural and Man-made Environment* (pp. 73-109). Patra: Greek Open University.(in greek)
16. Dimitriou, A. (2008). Basic Principles concerning the development of educational material for the environment and environmental issues. In: B. Hadjinikitas (Ed.), *Introduction into the Natural and Man-made Environment* (pp. 111-143). Patra: Greek Open University. (in greek)
17. Christidou, V., Hatzinikita, V., & Dimitriou, A. (2009). Children's drawings about environmental phenomena: the use of visual codes. *International Journal of Science in Society*, 1, 107-117.

18. Dimitriou, A., (2010). Prospective kindergarten and primary school teachers' conceptions about science teaching. *Teaching of Natural Sciences – Research and Practice*, 31-32, 7-28. (in greek)
19. Lithoxidou L., Dimitriou A., & Georgopoulos A. (2010). Environmental Ethics in Kindergarten. In: M. Sakellariou, A. Petou, & M. Zembylas (Ed.), *Ethics and Education*. σελ. (pp 297-328). Athens: Atrapos. (in greek)
20. Dimitriou, A., & Christidou, V., (2011). Causes and consequences of air pollution and environmental injustice as critical issues for science and environmental education. In M. Khallaf (Ed.) *The Impact of Air Pollution on Health, Economy, Environment and Agricultural Sources* (pp. 215-238). Rijeca, Croatia: InTech Open Access Publisher.
21. Georgopoulos, A., Mpirmili, M. & Dimitriou, A. (2011). Environmental Education (EE) and experiential education: a promising “marriage” for Greek pre-school teachers. *Creative Education*, 2 (2), 114-120.
22. Desli, D. & Dimitriou, A. (2014). Teaching mathematics and science in early childhood: Prospective kindergarten and primary school teachers' beliefs. *Review of Science, Mathematics and ICT Education*, 8 (2), 25-48
23. Dimitriou, A., Pimenidis, D. (2015). Local authorities' views and attitudes on sustainable energy policy: the case of Mayors of Rhodes, Island, Greece (2010-2014). *International Journal of Environmental Protection and Policy*, 3 ( 2), 20-30.
24. Malkopoulou, E., Papageorgiou, G., Dimitriou, A. (2015). Investigating the way 5-years old children distinguish the concepts ‘object’ and ‘material’ Is the ‘material’ overshadowed by the ‘object’? *International Journal of Learning, Teaching and Educational Research*, 14 (1), 116-131.
25. Christidou, V., Dimitriou, A., Barkas, N., Papadopoulou, M., & Grammenos, S. (2015). “Young Noise Researchers”: An intervention to promote Noise Awareness in Preschool Children. *Journal of Baltic Science Education*. 14(5), 569-585.
26. Malkopoulou, E., Papageorgiou, G., Dimitriou, A. (2015). Investigating the way 5-years old children distinguish the concepts ‘object’ and ‘material’ Is the ‘material’ overshadowed by the ‘object’? *International Journal of Learning, Teaching and Educational Research*, 14 (1), 116-131.
27. Malkopoulou, E., Boutziloudi, Chr., Dimitriou, A., Tempridou, A-E. (2016). Investigating biodiversity in our schoolyard. In S. Powell, L. Hryniewicz (eds). *Proceedings of the OMEPEuropean Conference, The Place of the Child in the 21st Century* (96-103). Canterbury: Canterbury Christ Church University.
28. Lithoxidou, L., Georgopoulos, A., Dimitriou, A. & Xenitidou, S. (2017). "Trees have a soul too!!" Developing empathy and environmental values in early childhood. *International Journal of Early Childhood Environmental Education (IJECEE)*, 5 (1), 68-88.
29. Maladrakis G., Dimitriou, A. & Georgopoulos, A (2020). Characteristics of environmental education programs in primary education. The 7<sup>th</sup> years experience in Greece. *Environmental education for sustainability*, 2(1), 29-41 doi:<https://doi.org/10.12681/ees.19743> (in greek).

30. Varsama, M. & Dimitriou, A. (2022). Cimena as tool for environmental education in early childhood. *Environmental education for sustainability* 4(1), 1-17. DOI: <https://doi.org/10.12681/ees.28735> (in greek).

#### **D. TEACHING EXPERIENCE**

- Teaching experience (24 years) in graduate and post-graduate programmes (science, science education, environmental issues, education for sustainability and environmental education).
- Supervision of 5 doctoral theses; member of the advisory committee in 12 doctoral theses; member of the evaluation committee in 24 doctoral theses.
- Supervision of over than 80 and 150 graduate and postgraduate dissertations respectively.

#### **E. RESEARCH & ACADEMIC EXPERIENCE**

1. Participation in 14 national and international research projects.
2. Quality monitor to the OECD Programme for International Student Assessment (PISA) during the main study test period between February and April 2003.
3. Reviewer for scientific journals, conferences on Science Education and Environmental Education and Sustainability.

#### **F. FIELDS OF EXPERTISE AND CURRENT RESEARCH INTERESTS**

Science, science education, environmental issues, environmental education, teaching materials about science and environmental education, teachers' and students' conceptions of scientific and environmental concepts and phenomena, investigating landscape as a critical tool in education for the environment and sustainability, environmental quality and societal injustices, environmental education as a vehicle for promoting the inclusion of children with special needs, ecological footprint as a tool in environmental education and sustainability.