

CURRICULUM VITAE

Evagorou Maria

Position: Associate Professor, Science Education
University of Nicosia, Cyprus

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Personal: **Birthdate:** 15/07/1978

EDUCATION

Doctor of Philosophy in Education, 2009

King's College London, UK

Degree in the Area of Science Education

Dissertation Title: *Argue-WISE: Exploring young students' features of argumentation within a socio-scientific issue when they engage with an on-line learning environment*

Advisors: Dr. Jonathan Osborne & Dr. Justin Dillon

Masters in Science Education, 2005

Department of Educational Sciences, University of Cyprus, Cyprus

Degree in the Area of Science Education

Thesis Title: *Using inquiry software to explore undergraduate students' understanding and development of system thinking skills*

Advisor: Dr. Zacharias Zacharia

Diploma in Multimedia Computing, 2003

Department of Computer Science, Intercollege, Cyprus

Bachelors of Arts in Education, 2000

University of Cyprus, Nicosia, Cyprus

Thesis Title: *Young students' difficulties in the night/day cycle, and moon phase formation*

Advisor: Dr Constantinos Constantinou

POSITIONS HELD

- Associate Professor, University of Nicosia, 27th July 2017 - today
- Visiting Lecturer, University of Cyprus, September 2015- December 2015
- Assistant Professor, University of Nicosia, February 2013-July 2017
- Lecturer, University of Nicosia, 2009-2012
- Lecturer, King's College London, UK, 2008-2009
- Research Associate, Center for Informal Learning and Schools (CILS), King's College London, UK, 2005-2008
- Research and Teaching Associate, Learning in Physics Group, University of Cyprus, 2003-2005
- Elementary School Teacher, 2000-2003

AREAS OF CONCENTRATION:

My scholarly activity focuses on the use of technology as a learning and teaching tool in the area of science education, and in exploring and enhancing young students' and pre-service teachers' argumentation skills within socio-scientific and authentic issues. More specifically, the emphasis of my work is on students' and teachers' talk when they engage in the discussion of socio-scientific or controversial issues either with or without the use of technology, and aim to explore ways in which teachers can be supported in their effort to include socio-scientific issues in their teaching practices. Recently I have also started to investigate: (a) the interaction between argumentation and modeling skills both for pre-service teachers and elementary school students, and (b) students' emotions when engaging in socio-scientific activities and how these emotions can potentially have an effect on learning.

PROFESSIONAL ASSOCIATIONS

- Member of the Spanish National Agency for Scientific Evaluation (ANEP) (2016 – today)
- Member of the Editorial Board of the Journal of Research in Science Teaching (2012-2015)
- Member of the NARST Dissertation Award Committee (2011-2013)
- ESERA Chair for the Pre-Service Teachers Strand (2014-today)
- ESERA Chair for the Argumentation and Discourse Strand (2011-2013)
- President of the Scientific Literacy Community Cyprus
- National Association for Research in Science Teaching (NARST)
- European Association for Research on Learning and Instruction (EARLI)
- European Science Education Research Association (ESERA)
- Association for Science Education, UK (ASE)
- American Educational Research Association (AERA)

RESEARCH AND RESEARCH FUNDING

Awarded grants

(CSRC) **Cyprus Science and Research Center** (TEAMING Project, phase 1, coordinated by University of Cyprus): To establish a Science Centre that will: (a) develop excellence in bringing together and integrating Science Communication with

STEAM Education Research; (b) develop in-house interactive media for STEAM Education to promote learning and the public understanding of STEAM in formal, non-formal and informal ways; (c) serve as a hub for business innovation through the dissemination of research outputs for commercial exploitation and the provision of space and tools for the stimulation of entrepreneurship and the development of start-ups.

IncluSME: Intercultural learning in mathematics and science initial teacher education (2016-2019)

Role: Researcher

(ERASMUS +, Cooperation for innovation and the exchange of good practices)

Budget: 448195.00

ENGAGE: Equipping the Next Generation for Active Engagement in Science (2013-March 2017)

Role: Local coordinator, Researcher

FP7-SCIENCE-IN-SOCIETY-2013-1 (European Union)

Budget: 2 million euros

MASCIL: Mathematics and Science for Life (2013-2017)

Role: Researcher on consortium team

FP7 Science in Society, SiS 2012.2.2.1-1 (European Union)

Grant Agreement Number: 320693

Budget: 4 million euros

MaT²SMc: Materials for Teaching Together: Science and Mathematics Teachers collaborating for better results (2013 – 2015)

Role: Researcher

Life Long Learning Programme Comenius/Multilateral (European Union)

Budget: 404,430 euros

PreSEES: Preparing Educators for Everyday Science (2012-2014)

Role: Wrote the Proposal, Coordinating Project, Researcher

Life Long Learning Programme Comenius (European Union)

Reference Number: 526428-LLP-1-2012-1-CY-COMENIUS-CMP

Budget: 317, 076

Technoskepsi: A web-based curriculum on argumentation (2006-2008)

Cyprus Research Promotion Foundation, Doctoral Students' grant

Role: Primary Researcher

140,000 Euro

OIKOSKEPSI: Developing system thinking skills through environmental scenario (2004-2005)

Cyprus Research Promotion Foundation, Research Students' grant (awarded to Maria Evagorou and Christiana Nicolaou)

Role: Primary Researcher

180,000 Euro

Submitted Grants:

Promoting Cultural Literacy among Youth/CULT-COOP-03-2017: To use dialogue and argumentation as tools to promote the European identity across schools in the EU through Science (coordinated by Universidade Nova de Lisboa, Portugal – submitted February 2017).

Exploring the impact of science education reform in the 21st century/ ExISERe: the aim of this study is to explore whether the most recent reforms in science, within the Cypriot educational system, can support students to develop their scientific competencies, understanding of science, as well as their attitudes and self-efficacy on the topic (proposal written by Maria Evagorou and Elena Papanastasiou for the Cyprus Research Promotion Foundation – submitted in March 2017)

AWARDS/ DISTINCTIONS

- Maria Martinez Chico from the University of Almeria, Spain received a scholarship from the Spanish government to visit the University of Nicosia and collaborate with me for 3 months.
- Blanca Puig Mauriz from the University of Santiago de Compostela, Spain received the 2014 ESERA Travel Award to collaborate with me.
- Journal of Research in Science Teaching Paper (2013) on argumentation was chosen by NSTA in 2014 as “Research Worth Reading” for its teacher audience.
- ESERA Scholarship 2011 to collaborate with Professor Sibel Erduran, University of Bristol
- ESERA Travel Scholarship 2009 to collaborate with Professor Maria Pilar Jimenez Aleixandre, University of Santiago de Compostela
- NARST International Committee Award, 2009
- Paper Award at the World Conference on Educational Multimedia, Hypermedia and Telecommunications, July 2008
- Outstanding Paper Award for Graduate Student Research Paper, Science and Teaching AERA SIG, March 2008
- Rosalind Driver Studentship, Rosalind Driver Fund, UK, September 2005-August 2008 (75 000 UK)
- Roberts Money Award, King’s College, London, April 2006
- Sargeaunt Travel Award, King’s College, London, March 2006

LANGUAGES

- Greek
- English
- Basic knowledge of Spanish

PUBLICATIONS

Doctoral Dissertation:

Evagorou, M. (2009). *Argue-WISE: Exploring young students’ features of argumentation within a socio-scientific issue when they engage with an on-line learning environment*. Kings’ College London.

Advisors: Dr. Jonathan Osborne & Dr. Justin Dillon

Books

Evagorou, M., Alexis Nielsen, J. & Dillon, J. (in preparation). *Science Teacher Education for Responsible Citizenship*. To be published by Springer.

Evagorou, M. & Avraamidou, L. (2012). *Theoretical and Methodological Approaches to Teaching Science*. Athens: Diadrasis. ISBN 978-960-954-185-5. [In Greek]

Chapters in books

Mousoulides, N., & Evagorou M. (2015). A modeling perspective in task design and professional learning of teachers. *Paper submitted in the ICTMA17 international conference* [based on this paper, a contribution will be submitted for publication in a book published by Springer].

Ευαγόρου, Μ. (2012). Φυσικές Επιστήμες και Επιχειρηματολογία (52-66). Στο Ευαγόρου, Μ. & Αβρααμίδου, Λ. (εκδ). *Θεωρητικές και Διδακτικές Προσεγγίσεις στις Φυσικές Επιστήμες*. Αθήνα: Διάδραση [in greek]

Evagorou, M. (2011). Discussing a socio-scientific issue in a primary school classroom: the case of using a technology supported environment in formal and non-formal settings (pp. 131-160). In Sadler, T. (Ed), *Socio-scientific issues in the classroom: Teaching, learning and research*. Springer.

Evagorou, M., Sadler, T.D. & Tal, T. (2011). Assessment, Audience, and Authenticity for Teaching SSI and Argumentation (161-166). In Sadler, T. (Ed), *Socio-scientific issues in the classroom: Teaching, learning and research*. Springer.

Sampson, V., Simon, S., Amos, R. & Evagorou, M. (2011). Engaging Students in Scientific and Socio-scientific Argumentation (pp. 193-200). In Sadler, T. (Ed), *Socio-scientific issues in the classroom: Teaching, learning and research*. Springer.

Evagorou, M. & Dillon, J. (2011). Teachers' instructional practices and argumentation (pp. 189-204). In Corrigan, D., Dillon, J. & Gunstone, R. (Eds.), *Recognizing and judging quality science teaching*. Springer.

Evagorou, M. & Osborne, M. (2010). The role of language in the learning and teaching of science (pp. 135-157). In J. Osborne and J. Dillon (eds), *Good Practice in Science Teaching*, 2nd edition. McGraw Hill.

Evagorou, M. & Dillon, J. (2009). Infusing Thinking Skills in the Science Classroom: System Thinking and Argumentation as a Means to Engage Students in the Process Reasoning (pp.107-124). In I. M. Saleh and M. S. Khine (eds), *Fostering Scientific Habits of Mind: Pedagogical Knowledge and Best Practices in Science Education*. Sense Publishers.

Koliopoulos, D., Constantinou, C.P. & Evagorou, M. (2004). Science fair in elementary school (in Greek). In Koliopoulos, D (eds.) *Teaching in science museums*. Athens: Typothito.

Refereed Journal Articles

- Puig, Mauriz, B. & Evagorou, M. (under review). Design of a socioscientific issue unit with the use of modeling. *Journal of Designs for Learning*.
- Evagorou, M., Nicolaou, C., & Lympouridou, Ch. (under review). Modeling and Argumentation with Primary School Students. *Science Education*.
- Puig Mauriz, M. & Evagorou, M. (2017). ¡Peligro en la colmena! Elaborar un modelo de colmena para explicar la desaparición de las abejas. *AULA*, 260, 22-26.
- Evagorou, M. & Puig Mauriz, B. (2017). Engaging elementary school pre-service teachers in modeling a socioscientific issue as a way to help them appreciate the social aspects of science. *International Journal of Education in Mathematics, Science and Technology*, 5(2), 113-123. DOI: 10.18404/ijemst.99074
- Evagorou, M., Erduran, S. & Mantyla, T. (2015). Knowledge Generation and Communication through ‘Seeing’ Science: The Role of Visual Representations in Scientific Practices. *Journal of STEM Education*, 2(1), 1-13. doi:10.1186/s40594-015-0024-x
- Nicolaou, C., Evagorou, M., & Lympouridou, Ch. (2015). Elementary School Students’ Emotions when Exploring an Authentic Socio-Scientific Issue with the Use of Models. *Science Education International*, Vol. 24, Issue 2, 2013, 6-23.
- Drumond Vieira, R., da Rocha Bernardo, J., Evagorou, M. & de Melo, V. (2015). The simulated jury in science teacher education: A resource for teaching and learning? *International Journal of Science Education*, 37 (7), 1113-1139. DOI:10.1080/09500693.2015.1022623
- Evagorou, M., Dillon, J., Viiri, J., & Albe, V. (2015). Pre-service Science Teacher Preparation in Europe: Comparing Pre-service Teacher Preparation Programs in England, France, Finland and Cyprus. *Journal of Science Teacher Education*, 26(1), 99–115. doi:10.1007/s10972-015-9421-8
- Evagorou, M., Lympouridou, Ch., & Nicolaou, C. (2015). School Students’ Emotions about Exploring a Controversial Issue. *School Science Review*, 96 (356), 27-31.
- Evagorou, M., Guven, D., & Mugaloglu, E. Z. (2014). Preparing Elementary and Secondary Pre-Service Teachers for Everyday Science. *Science Education International*, 25(1), 68–78.
- Evagorou, M., Albe, V., Angelides, P., Couso, D., Chirlesan, G., Evans, R., Dillon, J., Garrido, A., Guven, D., Mugaloglu, E., & Nielsen, J. A. (2014). Preparing pre-service science teachers to teach socio-scientific (SSI) argumentation. *Science Teacher Education*, 69, 39-48.

- Evagorou, M. & Osborne, J. (2013). Exploring Young Students' Collaborative Argumentation Within a Socio-Scientific Issue. *Journal of Research in Science Teaching*, 50(2), 209-237.
- Evagorou, M., Jimenez-Aleixandre, M & Osborne, J. (2012). 'Should we kill the grey squirrels?' A study exploring students' justifications and decision-making. *International Journal of Science Education*, 34 (3), 401-428.
- Avraamidou, L. & Evagorou, M. (2009). Enquiry-based elementary school science supported by handheld computers. *School Science Review*, 91 (334), 101- 105.
- Evagorou, M., Korfiati, K., Nicolaou, C., & Constantinou, C. P. (2009). An Investigation of the Potential of Interactive Simulations for Developing System Thinking Skills in Elementary School: A case study with fifth-graders and sixth-graders. *International Journal of Science Education*, 31(5), 655-674. [Impact Factor: 1.232]
- Nicolaou, C., Korfiati, K., Evagorou, M., & Constantinou, C. P. (2009). Development of decision-making skills and environmental concern through computer-based, scaffolded learning activities. *Environmental Education Research*, 15(1), 39-54.
- Evagorou, M. & Avraamidou, L. (2008). The role of technology in supporting the process of argument construction in science learning. *Educational Media International*, vol. 45 (1), p.33-45.
- Evagorou, M. & Osborne, J. (2007). Argue-WISE: Using technology to support argumentation in science. *School Science Review*, 89, p.103-110.
- Avraamidou, L. & Evagorou, M. (2007). Travelling the Road Beyond the Curriculum through a Science Fair. *Science Education Review*, 60 (1-4), p. 60-70.
- Vrasidas, C., Zembylas, M., Evagorou, M., Avraamidou L. & Aravi, C. (2007). ICT as a Tool for Environmental Education, Peace, and Reconciliation. *Educational Media International*, 44 (2), p. 129-140.

Reports

- Nistor, A., Jiménez-Iglesias, M., Gras-Velázquez, À., Arbues Sanguesa, A., Babicz, Z., Chehlarova, T., Cirovic, V., Cosma, I.M., Evagorou, M., Fischer, N., Gaist, O., Herrero, A., Jovanov, M., Lepre, A., Makris, N., Marino, L., Markovic, M., McNicol, S., Mihai, G., Muciaccia, M., Nanou, A., Niv, G., Palomo, J., Queralt, T., Rovira, J., Scorza, C., Suba, G. F., Toza, S. and Voukloutzi, E. (2015), *Involving third parties, organizations and advisers in European projects– The Project Managers' Position*, *Scientix Observatory*, March 2016. Available at http://files.eun.org/scientix2-talks/observatory-papers/Nistor_et_al_2016_Introducing_STEM_topics_in_the_curriculum-SPNE10-final-v2.pdf

Evagorou et al. (2014). *Preparing Science Educators for Everyday Science – Public Report*.
http://www.ssiEurope.net/uploads/7/2/7/9/7279998/final_pr_presees_public.pdf

Conference proceedings

Evagorou, M. & Papanastasiou, E. (2013). *A psychometric look on writing and evaluating arguments*. Electronic proceedings of the Annual National Association of Research in Science Teaching Conference, Puerto Rico, April 6-9.

Christodoulou, A., Evagorou, M., & Howell-Richardson, C. (2013). *Reflecting on teaching practices: the alignment between teaching a lesson and thinking about it*. Electronic proceedings of the Annual National Association of Research in Science Teaching Conference, Puerto Rico, April 6-9.

Evagorou, M., Papanastasiou, E. & Osborne, J. (2011). *The case of designing and validating a tool to assess 11-14 year old students written argumentation* (Part 6, 20-24). In C. Bruguire, A. Tiberghien & P. Clement (Eds) E-Book Proceedings for the ESERA 2011 Conference: Science Learning and Citizenship.

Ευαγόρου, Μ., Ευαγόρου, Α. & Αβρααμίδου, Λ. (2009). *Νέες τεχνολογίες και πρακτικές εφαρμογές τους στις Φ.Ε. Οι νέες τεχνολογίες στην Εκπαίδευση*. Πρακτικά 9ου συνεδρίου, 30-36. Λευκωσία: Εκπαιδευτικός Όμιλος Κύπρου.

Evagorou, M., Avraamidou, L. & Vrasidas, C. (2008). *Using On-Line Technologies And Handhelds To Scaffold Students' Argumentation In Science*. In Proceedings of World Conference on Educational Multimedia, Hypermedia and Telecommunications 2008 (pp. 5212-5217). Chesapeake, VA: AACE.

Nicolaou, Ch., Korfiatis, K., Evagorou, M. & Constantinou, C. P. (2006). *The development of decision-making skills and environmental concern using interactive models*. In the Proceedings of the ERIDOB Conference, September 2006, London, UK.

Evagorou, M., Osborne, J. & Dillon, J. (2006). *Development of students' argumentation practices when supported by an online environment*. In the Proceeding of the European Science Education Research Association Summer School, 15-21 July, Braga, Portugal.

Evagorou, M. and Zacharia, Z. (2005). *The effect of real and virtual laboratory experimentation on students' understanding of electric circuits*. Proceedings of the European Science Education Research Association, 28th – 31st August 2005, Barcelona, Spain.

Evagorou, M.; Avraamidou, L. & Constantinou, C.P. (2005). *Science Fairs as mechanisms for University – School - Community collaborations in Cyprus*. In the Proceedings of the Hands on Science Conference, July 2005, Crete, Greece.

Evagorou, M., Zacharia, Z., Constantinou, C.P., Papaevripidou, M. and Th. Kyratsi (2005). *An eLearning Platform for the School Practicum in Initial Teacher*

Preparation. Proceedings of 7th Computer Based Learning in Science Conference, 2nd – 6th July 2005, Zilina, Slovakia.

Papadouris, N., Kyratsi, Th., Evagorou, M., Nicolaou, Ch., Papademetriou, D. & Constantinou, C. P. (2004). *Young students reasoning difficulties while dealing with decision making situations.* Proceeding of the 4th Pan-Hellenic Conference of Science Education, 25th – 28th November 2004, Athens, Greece.

Evagorou, M. P., Zacharia, Z. C., Constantinou, C.P., Kyratsi, Th. & Papaevripidou, M. (2004). *The Development of an eLearning Platform as a Resource for the School Practicum in Initial Teacher Preparation.* Proceedings of the Groupe International de Recherche sur l' Enseignement de la Physique, 19th-23th of July 2004, University of Ostrava, Technical University of Ostrava, Union of Czech Mathematicians and Physicists, Czech Republic.

Evagorou, M. P., Zacharia Z. C. and Constantinou C. P. (2004). *Developing children's understanding in Astronomy: A research study with elementary school children.* Proceedings of 4th Hands on Science Conference, 5th – 7th July 2004, Ljubljana, Slovenia.

Evagorou, M. P., Zacharia, Z. C., Constantinou, C. P. & Papaevripidou, M. N. (2004). *The Development of an eLearning Platform as a Resource for the School Practicum in Initial Teacher Preparation.* Proceedings of the Commonwealth Association for Science, Technology and Mathematics Educators, 15th-18th April 2004, Intercollege, Nicosia, Cyprus.

Constantinou, C.P., Evagorou, M. & Ttoffi, P. (2001). *An interactive simulation to evaluate student understanding of moon phase formation.* Proceedings of the 5th Computer Based Learning in Science Conference, 7th July-12th July 2001, Masaryk University, Faculty of Education, Brno, Czech Republic.

Koliopoulos, D., Constantinou, C.P. & Evagorou, M. (2000). *The science fair: a medium for non-formal education in science* (in Greek). Proceedings of the 2nd Panhellenic Conference Science and Technology Education, Nicosia, 3-5 May 2000.

Conference Presentations

Poster Sessions

Evagorou, M. & Puig, B. (2016). *Should we care about the bees? Argumentation and modeling to understand an SSI with pre-service teachers.* Poster Presented at the ERIDOB Conference, Sweden, September 6th-9th, 2016.

Symposium Presentations

Evagorou, M. (2015). *Argumentation and socio-scientific issues in the teaching of science.* Presentation in Socio-Scientific Issues Symposium, Nicosia, Cyprus, 15th December 2015.

- Evagorou, M. (2015). *Transferring knowledge about socio-scientific argumentation to teaching practice*. Symposium presentation of the European Science Education Research Association Meeting in Helsinki Finland, September 2015.
- Evagorou, M. (2011). *Discussing a SSI issue in a primary school classroom: The case of using a technology supported environment in formal and non-formal settings. Presented as part of the symposium Socio-scientific issues in science classrooms: Teaching, learning and research*. Symporium Presented at the Annual National Association of Research in Science Teaching, Orlando, Florida, April 3-6 2011.
- Evagorou, M. & Osborne. J. (2009). *Young students' features of collaborative argumentation*. In Symposium: Argumentation in Science Education: Current Challenges and Future Directions. Presented at the Annual National Research In Science Teaching Association, Orange County, CA, April 2009.

Paper Presentations

- Evagorou, M., Ramero Ariza, M., Quesada Armenteros, A., & Mabil, A. (2014). *Learning through inquiry in the world of work at Primary School*. Paper Presented at the Educating the Educators Conference in Essen, Germany, December 15-16.
- Evagorou, M. (2014). *Introducing socio-scientific issues and argumentation in science teaching*. Presentation at the PreSEES Conference, Nicosia, Cyprus, October 24.
- Evagorou, M. (2014), *Teaching controversial issues – international focus*, On-line presentation (webinar) organized by the UK Association of Science Education, October 17.
- Evagorou, M. (2014). *Presentation of the World Bank Report on the Educational System of Cyprus*, Presentation at a conference organized by the School of Education, University of Nicosia, Nicosia, Cyprus, June 3.
- Evagorou, M. & Angelides, P. (2014). *Preparing Science Educators for Everyday Science*. Paper presented at the ECER Conference in Porto, Portugal, September 2-7.
- Evagorou, M. (2014). *Transferring knowledge about socio-scientific argumentation to teaching practice*. Paper presented at the annual National Association on Research in Science Teaching, March 30 – April 3.
- Evagorou, M., Nicolaou, Ch., & Lymbouridou, Ch. (2014). *Elementary school students' engagement and emotions when participating in scientific practices*. Paper presented at the annual American Educational Research Association meeting, Philadelphia, 3-7 April.
- Evagorou, M., Nicolaou, C., & Lymbouridou, C. (2013). *Using models and SSI as a context of instruction in science: Students' emotions and engagement*. Paper

- Presented at the European Science Education Research Association, Nicosia, Cyprus, 2-7 September 2013.
- Evagorou, M., Nicolaou, C., & Lymbouridou, C. (2013). *Using models with elementary school students as part of argumentation and decision making in an socio-scientific issue*. Paper Presented at the European Science Education Research Association, Nicosia, Cyprus, 2-7 September 2013.
- Evagorou, M. (2011). *Collaborative Argumentation*. Talk at the Graduate School, University of Bristol, July 8 2011.
- Evagorou, M. (2011). *Using technology to enhance students' system thinking skills in science education*. Talk at the Graduate School, University of Bristol, June 24 2011.
- Evagorou, M. & Osborne, J. (2011) *Towards improving the measurement of quality of argument using Toulmin's framework: a methodological contribution*. Paper presented at the Annual National Association of Research in Science Teaching, Orlando, Florida, April 3-6 2011.
- Evagorou, M. & Avraamidou, L. (2011). *Argumentation: Exploring instructional practices of three teachers, and their students' performances*. Paper presented at the at the Annual National Association of Research in Science Teaching, Orlando, Florida, April 3-6 2011.
- Avraamidou, L. & Evagorou, M. (2010). *Students' Views of a Project-Based Elementary Science Intervention*. Presented at the Annual National Research In Science Teaching Association, Philadelphia, PA March 2010.
- Evagorou, M. & Osborne, J. (2009). *Dimensions of successful argumentation*. Presented at the European Science Education Research Association Conference, Istanbul, August 2009.
- Evagorou, M. & Avraamidou, L. (2009). *Examining students' argumentation with the use of the knowledge representation tools, discussion tools and mobile devices*. Presented at the European Science Education Research Association Conference, Istanbul, August 2009.
- Avraamidou, L. & Evagorou, M. (2009). *Inquiry-Based School Science: University, School and Scientists Partnerships*. Presented at the Annual National Research In Science Teaching Association, Orange County, CA, April 2009.
- Evagorou, M. & Avraamidou, L & Vrasidas, C. (2009). *Supporting students' argumentation in science both indoors and outdoors with the use of the knowledge representation tools, discussion tools and mobile devices*. Presented at the Annual Meeting of the American Educational Research Association in San Diego, April 2009.
- Ευαγόρου, Μ., Αβρααμίδου, Λ. & Βρασιδάς, Χ. (2008). *Τεχνοσκέψη: Διερεύνηση της χρήσης υπολογιστών χειρός και διαδικτυακών εργαλείων στην υποστήριξη της*

επιχειρηματολογίας στο μάθημα της επιστήμης. Ενσωμάτωση Σύγχρονων Τεχνολογικών Εργαλείων Στο Μαθησιακό Περιβάλλον, 06 Δεκεμβρίου 2008, Πανεπιστήμιο Κύπρου.

Avraamidou, L., Demetriou, C., & Evagorou, M. (2008). *The Use Of Handhelds In School Science: A water quality study*. Paper presented at the ED-MEDIA 2008, June 30-July 4, Vienna, Austria.

Evagorou, M., Avraamidou, L. & Vrasidas, Ch. (2008). *Using On-Line Technologies And Handhelds To Scaffold Students' Argumentation In Science*. Paper presented at the ED-MEDIA 2008, June 30-July 4, Vienna, Austria. [Received a Paper Award]

Evagorou, M. & Bateman, D. (2008). *Argue-WISE: A researcher's and a teacher's perspective on teaching argumentation in the science classroom*. UK Association of Science Education (ASE), January 2008, Liverpool, UK,

Evagorou, M. & Osborne, J. (2008). *Identifying features of young students' construction of arguments in the science classroom*. Paper presented at the annual American Educational Research Association, March 2008, New York, USA.

Avraamidou, L. & Evagorou, M. (2008) *Inquiry-based school science with the use of handhelds*. Paper presented at the annual American Educational Research Association, March 2007, New York, USA.

Evagorou, M., Vrasidas, C., Gunduz, S., Zembylas, M., Avraamidou, L. & Koushiappi, M. (2007). *Integrating Technology with Environmental Education*. Paper presented at the International Council of Educational Media (ICEM) 2007, September 2007, Nicosia, Cyprus.

Demetriou, C., Avraamidou, L., & Evagorou, M. (September, 2007). The use of handhelds in inquiry-based science investigations. Paper presented at the annual International Council of Educational Media (ICEM) conference. Nicosia: Cyprus.

Invited Talks, Seminars and Colloquia

Evagorou, M. & Martinez Chico, M. (2016). *Scientific Practices: Examples from Spain and Cyprus*. Talk at the Department of Education, University of Nicosia Colloquia, November 9th 2016.

Evagorou, M. & Avraamidou, L. (2015). *Η διδακτική των φυσικών επιστημών υπό το πρίσμα σύγχρονων μεταρρυθμίσεων*. Προσκεκλημένη ομιλία στο συνέδριο για τα 50 χρόνια του Υπουργείου Παιδείας και Πολιτισμού, Συνεδριακό Κέντρο Φιλοξενία, Λευκωσία, 5 Δεκεμβρίου.

Evagorou, M. (2015). *Pre-service Science Teacher Preparation in Europe: Comparing Pre-service Teacher Preparation Programs in England, France, Finland and Cyprus*. Invited Keynote Speech at the US National Research Association, Chicago, USA, April 10-14.

Evagorou, M. (2014). *Scientific practices in K-12 – introducing argumentation*. Invited Keynote Speech at Science Teacher's Conference organized by Cyprus Pedagogical Institute, Nicosia, Cyprus, November 1st.

Evagorou, M. (2013). *Rethinking scientific practices: The case of argumentation*. Keynote Speech at ENCIENDE symposium, Madrid, Spain, June 6. (<http://enciendeblog.blogspot.com.es>)

Publication in Media and other

Ευαγόρου, Μ (2012). *Οι μαθητές του Δημοτικού Σχολείου Δροσιάς προτείνουν λύσεις για τα κουνούπια*. Δημοσίευμα στην Εφημερίδα Πολίτης, στήλη Παιδεία, 12 Μαΐου 2012.

Ευαγόρου, Μ. (2012). *Βασικές Αρχές Ερευνητικής Εργασίας*. Πρακτικά Ημερίδας Μεταπτυχιακών Φοιτητών Πανεπιστημίου Λευκωσίας.

Ευαγόρου, Μ. & Αβρααμίδου, Λ. (2009). *Σύγχρονες Προσεγγίσεις στη Διδακτική των Φυσικών Επιστημών στο Νηπιαγωγείο*. Δελτίο Εκπαιδευτικού Ομίλου. Λευκωσία, Κύπρος.

Ευαγόρου, Μ. (2008). *Χρήση Νέων Τεχνολογιών και Περιβαλλοντικών Σεναρίων για την Υποστήριξη Δεξιοτήτων Επιχειρηματολογίας Μαθητών Δημοτικού*. CARDET: Λευκωσία.

Ευαγόρου, Μ., & Βρασίδης, Χ. (2008). *Τεχνοσκέψη: Επιχειρηματολογία μέσω της χρήσης σύγχρονων τεχνολογιών στις Φυσικές Επιστήμες*. Δελτίο Εκπαιδευτικού Ομίλου. Λευκωσία, Κύπρος.

Evagorou, M. (2008) *Technoskepsi: Promoting Argumentation through the use of new technologies*. In-Brief, University of Nicosia.

Evagorou, M. (2005). *Using software to explore undergraduate students' understanding and development of system thinking skills*. MA Thesis: University of Cyprus.

C.P. Constantinou, D. Demetriou, A. Evagorou, M. Evagorou, A. Kofteros, M. Michael, Chr. Nicolaou, D. Papademetriou & N. Papadouris (Eds.), *Integrating multiple perspectives on effective learning environments*. Earli 2005. Nicosia, Cyprus: University of Cyprus.

Workshops

Evagorou, M. (2016). *Socio-scientific issues and science education*. Seminar offered at Laniteio Lykeio Lemesou, 21st January 2016.

- Evagorou, M. (2016). *Controversial issues and RRI*. On-line seminars organized as part of the ENGAGE FP7 program for secondary science teachers, Nicosia, Cyprus, January – November 2016.
- Evagorou, M. (2014-2015). *Argumentation and controversial issues in physics*. Invited workshop for Physics Teachers organized by the Pedagogical Institute of Cyprus, Nicosia, Cyprus, November 2014 – January 2014.
- Evagorou, M. (2014). *Socio-scientific issues: Why is it important to teach them, and how to approach them in the science classroom*. Workshop at PreSEES conference, University of Nicosia, Cyprus, October 24.
- Erduran, S. & Evagorou, M. (2010). *Argumentation: Theoretical, Methodological and Teaching Perspectives in Science*. Invited Workshop organized by National Taiwan Normal University, Taipei, Taiwan, June 10-12.
- Evagorou, M. & Avraamidou, L. (2010). *Using Web-based Inquiry Science Environment (WISE)*. Workshop at Penn State University, Department of Curriculum Development, April 2010.
- Evagorou, M. (2009). *How to design curriculum materials to teach argumentation*. Workshop for MA students organized at the University of Cyprus, October 2009.
- Evagorou, M. (2009) *Technoskepsi: Supporting students' argumentation in science both indoors and outdoors with the use of on-line tools and handheld computers*. Workshop at the Department of Education, University of Bristol, 28th January 2009.
- Evagorou, M. & Evagorou, A. (2008). *Using PDAs in the science classroom*. Workshop at New Technologies in Education Conference, April 12-13 2007, Cyprus.
- Evagorou, M. (2007). *Using the EARLI on line submission and management system*. Workshop for the EARLI Administrator and EARLI 2007 Organizing Committee, 23rd August, Nicosia, Cyprus.
- Evagorou, M. & Evagorou, A. (2000) *The Internet and how to use it in the classroom*. Workshop at the Second Mediterranean Computer – Using Educators Conference, October 2000, Nicosia, Cyprus.

CONFERENCE ORGANIZING

- Member of the thesis award committee for NARST from 2012 – 2015.
- Strand Chair for the pre-service teachers strand for the ESERA 2015 conference.
- Member of the organizing committee of PreSEES conference in October 2014 at the University of Nicosia.
- Member of the Organizing and Scientific Committee of ESERA 2013 conference.
- Coordinator for the Argumentation Strand for the European Science Education Research Association Conference 2011 to be held in Lyon, France.

- Member of the organizing committee for the Scientific Literacy Conference in Cyprus (November 3rd, 2012)
- Member of the Organizing and Scientific Committee of the conference: *Educational Media 2007 & Advanced Learning Environments*, CARDET-Nicosia, September 21-22, 2007
- Member of the Organizing Committee and Scientific Committee of the *European Association for Research on Learning and Instruction conference (EARLI)*, August 2005, Nicosia, Cyprus
- Pan-Hellenic Conference of Science Education in Pre Primary education, Nicosia, Cyprus, February 2004
- Computer Based Learning in Science, Nicosia, Cyprus, July 2002

JOURNAL REVIEWER FOR:

- Journal of Research in Science Teaching (elected member of the Board from 2012-2015)
- Science Education
- Science & Education
- International Journal of Science Education
- Electronic Journal of Science Education
- Educational Researcher
- Review of Educational Research
- Review of Research in Education

ASSOCIATIONS REVIEW BOARDS

- National Association for Research in Science Teaching (NARST)
- Also an elected member of the NARST Board (ODRA committee)
- European Science Education Research Association (ESERA)
 - Chair of pre-service teachers strand
- American Association for Research on Science Teaching (AERA)
 - Science Teaching and Learning SIG*
- European Association for Research on Learning and Instruction (EARLI, 2005)
 - Special Interest Group: *Learning and Instruction with Computers*

EXPERIENCE

Administrative

- Senate Member and member of the Curriculum Affair Committee at University of Nicosia
- Coordinator of science method courses at the University of Nicosia
- Coordinator of the MA in Mathematics and Science at the University of Nicosia
- Coordinating the implementation of an on-line course (EDUC-510DL) that is taught by 6-8 different tutors per semester.
- Member of the advising committee for 3 PhD students
- Member of the Ethics Committee at the University of Nicosia, Cyprus
- Lead the organization and coordination of a discussion panel commenting the World Bank Report on the Cypriot Educational system (June 3, 2014)
- Advising a number of students doing BA theses in Science Education
- Member of the evaluating committee for MA theses.

- Member of committee responsible of designing an MA in Science and Mathematics Education at the University of Nicosia
- Organizer of a number of Science Fairs with Pre-Primary School pre-service from 2010-today,
- Member of committee responsible of introducing a BA in Childhood Education at King's College London,

Advisory

- Supervision of researchers working on EU projects.
- Supervision for 5 BA students underdoing research in the area of Science Education.
- Supervision of 3 PhD students at the University of Nicosia, Cyprus.
- Member in PhD and MA dissertation committees at the University of Cyprus and the University of Santiago de Compostella, Spain
- Supervision of the design, implementation and writing of 1 PhD thesis in the area of science education, King's College London, 2008-2009.
- Supervision of the design, implementation and writing of 2 undergraduate research theses in the area of science education and gender, King's College London, 2008-2009
- Supervision of the design and implementation of science lesson plans of 12 prospective secondary science school teachers at schools around London, King's College London, 2008-2009
- Supervision of the design and implementation of science lesson plans of prospective elementary school teachers at schools in Nicosia, University of Nicosia, 2004-2005

Teaching: courses taught

- MOOC for in-service and pre-service teachers titled "Teaching Practices related to Responsible Research and Innovation" (September 2015 – December 2016)
- EPA 335 – Science Methods in Kindergarten, University of Cyprus, (Visiting Professor, September 2015-December 2015)
- EPA 475 – New Trends in the Teaching of Science, University of Cyprus, (Visiting Professor, September 2015-December 2015)
- EPA 276- Basic Physics Concepts, University of Cyprus, (Visiting Professor, September 2015-December 2015)
- EDUC-691– Research Seminar for PhD students, University of Nicosia (January 2013 – May 2016)
- EDUC-510 & EDUC 510DL – Introduction to Research Methods, face-to-face and on-line, University of Nicosia, Cyprus (January 2013 – May 2016)
- EDUC-588 – Scientific Literacy and Socio-Scientific Issues, University of Nicosia, Cyprus (September 2014 – today)
- EDUC-535 – Curriculum Development in Science and Mathematics (co-taught with Constantinos Xenofontos), University of Nicosia, Cyprus (September 2014 – today)
- EDUP 143 - Experimental Studies in Science Education, University of Nicosia, Cyprus (September 2009-May 2010)
- EDUE 240 – Basic Science Concepts for the Elementary School, University of Nicosia, Cyprus (September 2009 – May 2013)

- EDU 241 - Basic Science Concepts for the Kindergarten, University of Nicosia, Cyprus (September 2009 – May 2013)
- EDUP 341 – Science Methods for the kindergarten, University of Nicosia, Cyprus (September 2009 – today)
- Recent Developments in Science Education – Introductory MA in Science Course, King’s College London (September 2008 – June 2009)
- Science Methods for PGCE (Post Graduate Certificate in Education) in Science, King’s College London (September 2008 – June 2009)
- Video Analysis for PhD Students, King’s College London (September 2008 – June 2009)
- KS3 Science Concepts for PGCE Science, King’s College London (September 2008 – June 2009)

EXTRA CURRICULAR ACTIVITIES

- I was invited by the Cyprus Pedagogical Institute to design and carry out a series of seminars on scientific practices from November 2014 – January 2015. As part of the seminars I observed how participants change their teaching practices in their classes (classroom observations). At the end of the school year the participant teachers will present their experiences at a conference.
- External member of the committee for a number of MA students at the University of Cyprus.
- External evaluator for the Esthonian Research Promotion Foundation for 2014.
- President of the Scientific Literacy Community in Cyprus.
- External evaluator for a PhD thesis for the University Santiago de Compostela, Spain.
- I participated as the expert researcher in a number of MERA projects (students in research) funded by the Cyprus Research Foundation.
- I participated in the field experience evaluation of a number of primary and pre-primary school students from January 2010 until today.
- In January 2009- April 2012 I served as an e-mentor for a virtual science fair organized by Near East South Asia Council of Overseas Schools (NESA).
- I have participated in “writing research proposal’ workshops at King’s College London in April and May 2009.
- In May 2007 I participated in the data collection process of the “Material Science” project at Tate Modern Gallery in London. The emphasis of this project is to explore ways in which to engage the visitors of the gallery in the process of thinking about the properties of materials that the artists use in their work.
- From January 2007- April 2007 I served as an e-mentor for a virtual science fair organized by Near East South Asia Council of Overseas Schools (NESA).
- In March 2007 I participated at Café Scientifique in London – an event organized by British Council in collaboration with scientists and teachers all over the world. During the event I served as one of the facilitators for a videoconference discussion between two schools in Brazil and one school in London.
- In 2005-2008 I participated in seminars organized by iGRAD (Graduate Skills Development Program) at King’s College, London. More specifically I attended the following sessions: (a) Effective CV’s, Applications and Interviews, (b) Teaching small groups, (c) Defend research outcomes.

