

## **MAKRI Kyriakoula (Kiki)**

### **Personal Information**

DATE - PLACE OF BIRTH 26 January 1977 in Trikala, Greece.  
PROFESSION: Postdoctoral Researcher - Institute of Environmental Research and Sustainable Development of National Observatory of Athens - Teacher of Geosciences at Secondary Education  
kikimakri@noa.gr

### **Academic Qualifications**

2015: PhD thesis in Geosciences Education, Department of Geology, Aristotle University of Thessaloniki, ND36236  
2007: M.Sc. in Teaching of Chemistry and New Educational Technologies, Department of Chemistry, Aristotle University of Thessaloniki,  
2005: B.Sc. in Geology, Department of Geology, Aristotle University of Thessaloniki (Greece).

### **Scholarships**

2020 -2021: Scholarship from the State Scholarships Foundation (IKY) for Postdoc research.

### **Professional Experience**

10/2020 - 12/2021: Postdoctoral Researcher, Institute and department: Institute of Environmental Research and Sustainable Development of National Observatory of Athens.  
1/2021 - 06/2023: Curriculum Designer of course Geology and Geography for Junior High School. Institute of Education Policy/Ministry of Education and Religious Affairs.  
5/2021 - 7/2021: Curriculum Designer of Skill Labs "Climate change - Natural disasters - Civil protection" for High School. Institute of Education Policy/Ministry of Education and Religious Affairs.  
9/2020 - 6/2021: Teacher of Geosciences at Secondary Education at 1st Junior High School of Lavrio. Ministry of Education and Religious Affairs.  
10/2019 - 5/2020: Educator at the school program "Sustainable Planet", Stavros Niarchos Foundation Cultural Center, Athens.  
10/ 2017 - 6/ 2020: Assistant Coordinator MSc in Space Sciences Technologies and Applications at National Observatory of Athens.  
2016-2018: Contract Lecturer: Teaching for the course "Teaching of Geology". Department of Geology, Aristotle University of Thessaloniki, Greece.  
2012-2013: Curriculum designer, «Geopromotion»: Joint framework for the provision of standardized services to geotechnical engineers for (e)training on natural risks - civil protection and for promoting access to the labour market». European Territorial Cooperation Programme, "Greece-Bulgaria 2007-2013", Geotee, Greece.  
2007 – 2008: Operational Programme for Education and Initial Vocational Training. "Training and Educational Management Environmental Education". Participation in the implementation of the Curriculum and creation of educational material, National Technical University of Athens Greece.

### **Areas of expertise**

History of Geosciences, History of Education, Epistemology, Teaching Methodology, Curriculum Design, Curriculum Studies.

### **Awards and honors**

- EC2E2N Award for excellence present: 2012 Makri K., Antoniadis A., Koliarmou E. National Greek Team. The Magic of Chemistry - European Competition of educational chemical experiments.. Annual Plenary meeting Milan

### **Reviewer in Journals**

- International Journal of Educational Methodology (IJEM, Powered by Eurasian Society of Educational Research)
- Bulletin of Geological Society of Greece

### **Reviewer in Conferences**

- 14ο Διεθνές Συνέδριο της Ελληνικής Γεωλογικής Εταιρίας, Θεσσαλονίκη 2016.
- 15ο Διεθνές Συνέδριο της Ελληνικής Γεωλογικής Εταιρίας, Αθήνα 2019.
- Η εκπαίδευση στην εποχή των Τ.Π.Ε. και της Καινοτομίας, Αθήνα 2016
- 6ου Συνέδριο "Νέος Παιδαγωγός", Αθήνα 2019
- International Conference on Raw Materials and. Circular Economy · Athens, Greece · 05-09 September, 2021

### **Publications in International Journals**

1. Kyriaki Makri, Elissavet Galanaki, Ioannis Koletsis, Vassiliki Kotroni, Konstantinos Lagouvardos, Assessment of informal learning program on weather phenomena: its perception and necessity in Greece. International Journal of Educational Research Review. <https://doi.org/10.24331/ijere.753774>
2. Makri, Kyriaki, Christos Roumpos, and Apostolos Antoniadis. 2021. "The Mining History of Greece in School Textbooks: The Case of Lignite" Materials Proceedings 5, no. 1: 47. <https://doi.org/10.3390/materproc2021005047>
3. Makri, Kyriaki, Danaskos, Fotios, & Tzima, Maria. (2020). Out-of-classroom activities for geoscience education. European Geologist, 50. <http://doi.org/10.5281/zenodo.4311399>

### **Publications in International Conferences (Peer reviewed process)**

1. Kyriaki Makri, Vassiliki Kotroni, Konstantinos Lagouvardos, The Content of Meteorology in Greek Geosciences's Textbook: Preliminary Results. 8th International Conference on Civil Protection and New Technologies - Safe Greece 2021, Athens, Greece.
2. Kyriaki Makri [invited speaker]. Conceptual development of the term Natural Disasters in textbooks from 1830 until today. 7th International Conference on Civil Protection and New Technologies - Safe Greece 2022, Athens, Greece
3. Kyriaki Makri, Elissavet Galanaki, Ioannis Koletsis, Vassiliki Kotroni and Kostas Lagouvardos. Preliminary results of evaluation of educational program "Peri Anemon & Ydaton". 15th International Congress of the Geological Society of Greece, Athens, May 2019.
4. Makri Kyriaki, Sp. Pavlides: Conceptual changes in the Geosciences textbooks of Secondary Education. A timeless view. 4th Hellenic Conference "Education in the 21st Century: School and Culture, Athens, May 2019
5. K. Makri, S.B. Pavlides. Classification of contents of Geoscience in secondary curricula in Greece, 1 830 2015. 14th International Congress, Thessaloniki, May 2016
6. Makri Kyriakoula & Pavlides Spyridon. The evolution of the content of geology textbooks in Greece at 19th- 20th century. Conference ESERA 2013 Nicosia, Cyprus.
7. Makri Ch K., S.B. Pavlides. The science of Geology as it presented through the Greek literary and scientific magazines of 19th and 20th century. IV International Congress of Educational Research, Istanbul May 2012.

### **Professional experience in research programs**

- 12/2006 - 12/2006. Protection of rivers from pollution due to industrial accidents. Scientifically responsible professor George Zalidis. School of Agriculture AUTH.
- 10/2009 - 12/2011: Harmonization of seismic risk in Europe. Scientifically responsible professor Kyriazis Pitolakis. Department of Civil Engineering, AUTH.
- 10/2009 - 11/2009: Planning services for the implementation of data collection actions for the monitoring of the protected area Section 1. Scientifically responsible professor George Zalidis. Agriculture AUTH.
- 1/2009 - 4/2009: Seismotectonic research in the Komanos field of Ptolemaida lignite mines. Scientifically responsible professor Spyridon Pavlidis. Department of Geology AUTH.
- 1/2010 - 4/2010: Special seismological study of the faults of the wider area of the Kassandra mines. Scientifically responsible professor Spyridon Pavlidis. Department of Geology AUTH.
- 7/2011 - 11/2011: IGI POSEIDON: Study of geological hazards in Greece. Scientifically responsible professor Spyridon Pavlidis. Department of Geology AUTH.

### **Abstracts**

- A. Maroulis, K. Chatziantoniou-Marouli, K. Makri, E. Koliarmou. Environmental Ethics. The necessity of Green Chemistry 2nd Green Chemistry Symposium, Patras March 2007.
- A. Maroulis, K. Chatziantoniou-Marouli, K. Makri, E. Koliarmou. Investigation of the environmental consciousness of adolescents. 3rd Environmental Conference of Macedonia, Thessaloniki March 2008.
- Makri K. & Pavlides S. When Geology was taught. Geoinformation, Issue 1, p. 24. 2008.
- K. Makri, A. Antoniadis, I. Poulis. The use of New Technologies in the Teaching of Semiconductors. 3rd Environmental Conference of Macedonia, Thessaloniki March 2008
- G. Daikopoulos, N. Nanis, Th. Tsoulis, A. Antoniadis, K. Makri. Presentation of the Environmental Program of KPE Melitis "Coals... the treasure. 4th Environmental Conference of Macedonia, Thessaloniki March 2010.
- K. Makri & Tzamos, E. Proposal of Environmental Education Program for Secondary Education. "The journey of a marble". 4th Environmental Conference of Macedonia, Thessaloniki 2010.
- Makri K. & Pavlidis S. Teaching tools in the teaching of Geosciences. The teaching of Geosciences and Geoenvironment in the Greek school Present situation & Perspectives, Athens 2011.
- Chatzipetros A., Makri K., Costopoulos D. and Pavlides S. Teaching of Geosciences: the experience from the Department of Geology of AUTH. 1st Project Conference, Thessaloniki, 2012.
- Makri K., Spyros Pavlides: The historical evolution of the teaching of Geology in Greece: The conditions and factors that shaped it, through the detailed and hourly programs of Secondary Education. Scientific session of the Hellenic Geological Society, May 2015.

### **Participation in Committees & Scientific Organizations**

- 2017 - today: Chairman of the Scientific Committee for the Teaching of Geosciences, of the Geological Society of Greece.
- 2017 - today: Member of board of Geological Society of Greece
- 2010 - today: Member of European Science Education Research Association ( ESERA).
- 2020- today: Member of Hellenic Education Society of STEM