

Name: Achilleas Mandrikas

Profession: Teacher in the Greek Public Primary Education (1987-2009)

Current position: School Advisor in Primary Education (2009-2013)

Studies

Graduate of Pedagogic Academy of Piraeus (1983-1985)

Graduate of Annual Training Teacher School of Athens (1991-1992)

Graduate of biennial postgraduate in education in the Maraslion Teacher Training College of Primary Education (1995-1997)

Master in Science Education (2003-2006)

Ph.D. in Environmental Science Education (2006-2010)

Working and Teaching Experience in Environmental Science Education:

I. Member of the Pedagogical Group of Argyroupolis Center of Environmental Education (ACEE), Athens, Greece (2001-2004)

II. President of the Attica's Section of the Hellenic Association of Educators of Environmental Education (2001-2005)

III. Member of the Coordinating Committee of the National Thematic Network of Environmental Education "Sustainable cities – Quality of Life" (2001-2004)

IV. Trainer in 200 daily instruction programs of environmental education for primary and secondary education students (provided by ACEE – 2001-2004)

V. Trainer in 15 educational seminars for educators provided by ACEE (2001-2004)

VI. Trainer in 4 educational seminars for Environmental Education educators titled "Environmental Actions – Actions of Life, Education for Sustainability" organized by Greek Ministry of Education (2005-2006)

VII. Animateur in the exhibition "The Earth in our hands" organized by the French Embassy, the French Institute of Athens and the French Centre of Sciences in Athens Concert Hall (4/4 - 2/5/2006)

VII. Trainer in 18 educational seminars for educators provided by National Technical University of Athens (2007-2008)

IX. Member of the Editorial Board of the educational material of "Kallisto" (program of environmental education for the Greek Secondary Education) (2008)

X. Lectures to undergraduate students of the Faculty of Primary Education in the Athens University, on the subject "Environmental Science" (2005-2009) and on the subject "Environmental Education" (2006-2009)

XI. Instructor of in-service primary school teachers, trained in the Maraslion Teacher Training College of Primary Education, which subordinates to the University of Athens. The scientific fields of training were "Environmental Education" (2007-2009) and "Environmental Science & Ecology - Laboratory" (2008-2009)

Scientific work

A. Thesis

i. Development of a database concerning the Greek bibliography of history of science (2004), accessible at <http://www.eie.gr/institutes/kne/ife/bibliography.htm>

ii. Development of a database concerning educational material of environmental education provided by the Greek Ministry of Education, the Greek Centers of Environmental Education and local Education Departments for supporting remotely environmental education, master thesis (2006), accessible at <http://kpe-kastor.kas.sch.gr/peekpe4/proceedings/synedria12/mandrikas.pdf>

iii. Environmental Science in Education: a didactic sequence about wind in pre-service elementary teachers, doctoral thesis (2010), accessible at <http://phdtheses.ekt.gr/eadd/handle/10442/27185>

B. Participation in research programs

- i. PYTHAGORAS II – Reinforcement of research teams in Universities, University of Athens – Faculty of Primary Education: Didactic approach of complex-complicate environmental phenomena and processes. Development of a model for utilization of virtual environments in environmental education (2005-2007)
- ii. HePHaESTUS Research Program Authoring Team - Hellenic Philosophy, History and Environmental Science Teaching Under Scrutiny - Reinforcement of research teams in the Periphery of Europe in “Philosophy, History and Didactics of Sciences (including Environmental Science)” (2009-2012).

Authorship

A. Books

- i. Mandrikas A. (1992), Secret School - A legend or reality? Kalendis, Athens
- ii. Mandrikas A., Dimou K., Mikrogiannaki I. (2005), I learn my place through environmental paths – Alimos, Kalendis, Athens

B. International papers

- i. Mandrikas A., Parkosidis I., Psomiadis P., Stoumpa A., Chalkidis A., Mavrikaki E. & Skordoulis C. (2013), Improving pre-service elementary teachers' education via a laboratory course on air pollution: one university's experience, *Journal of Science Education and Technology*, 22, 2, 113-123
- ii. Mandrikas A., Skordoulis C. & Halkia K. (2013), Pre-service elementary teachers conceptions about wind, *International Journal of Science Education*, 35, 11, 1902-1924
- iii. Mandrikas A., Mavrikaki E. & Skordoulis C. (2013), Success in fulfilling Greek Teachers' Needs in Environmental Education through an In-service Training Course in the Maraslios Teacher Training School, *Journal of Studies in Education*, 3, 4, 112-135

C. Educational material

- i. Farangitakis G., Stefanopoulos N., Giannakopoulou S., Alevizos A., Lebesis K., Annousaki A., Mandrikas A., (2003), Traffic jam – Air pollution problem, Argyroupolis Centre of Environmental Education, Argyroupolis
- ii. Chalkidis A., Psomiadis P., Mandrikas A., Tampakis K., Kiriakou K. (2007), Brochure of two-days festival for environmental sensitization, organized by Youth Institute of General Secretariat for Youth into European Week for Youth on 24-25/6/2007 in Thisio, Athens
- iii. Giannakouras I., Zaravela D., Mandrikas A. (2008), Renewable Energy Sources: educational material for environmental education activities for secondary students (Program of open environmental classes “Kallisto”), Greek Ministry of Education, Athens, accessible at http://www.e-liko.gr/htmls/perivallon/kallisto_files/_ananeos_piges_energ.pdf
- iv. Klonari A., Mandrikas A., Melista A., Tzoura M. (2011), New Curriculum of Geography for Primary Education & Teacher's Guidebook in Geography for Primary Education, accessible at <http://ebooks.edu.gr/2013/newps.php>