

## Short CV

### PERSONAL INFORMATION:

**Surname:** Aidona

**Name:** Eleni

**Date and place of birth:** 12 March 1972 Thessaloniki, Greece

### STUDIES:

**1995:** B. Sc. Geology (Aristotle University of Thessaloniki)

**1997:** Master Degree in Geophysics. Title of Master: Thesis '*Magnetic properties of minerals and its applications in Archaeology and Geology*'

**2002:** PhD in Geophysics. Title of Phd Thesis: '*Palaeomagnetic and rock magnetic properties of sediments cores from N. Greece and their implications to the diagenetic process*'.

### EMPLOYMENT RECORD:

**2002-2012:** Research and teaching assistant in Department of Geophysics of the University of Thessaloniki.

**2012- :** Lecturer in Department of Geophysics, School of Geology, University of Thessaloniki.

### FIELDS OF SCIENTIFIC RESEARCH

- Palaeomagnetism and tectonics
- Archaeomagnetism
- Magnetostratigraphy,
- Environmental magnetism and problems related to pollution

### PARTICIPATION IN PROJECTS

I have participated in more than 14 projects.

## **PUBLICATIONS**

1. **Aidona, E.**, Sarris, A., Kondopoulou, D. and Sanakis, Y., Application of Magnetic and Spectrometry Methods in the Detection of Human Activity in Soils: A Case Study in the Archaeological Site of Kitros (N. Greece), *Archaeological Prospection*, 8, 187-198, 2001.
2. **Aidona, E.**, Kondopoulou, D. and Georgakopoulos, A., Palaeomagnetic and rock magnetic properties of sediment cores from Chalkidiki, Greece. *Phys. Chem. Earth*, 26, 879-884, 2001.
3. Papazachos, C.B., Vamvakaris, D.A., Vargemezis, G.N. and **Aidona, E.V.**, A study of the active tectonics and deformation in the Mygdonia basin (N.Greece) using seismological and neotectonic data, *Bull. Geol. Soc. Greece*, 34, 303-309, 2001.
4. **Aidona, E.**, Sarris, A., Kondopoulou, D. and Sanakis, Y., A detailed study of the archaeological site of Kitros (N. Greece) by combined magnetic and spectrometry methods, *Proceedings of the 31<sup>st</sup> Symposium in Archaeometry*, 2002.
5. **Aidona, E.**, Vargemezis, G., Construction of Geotectonic-Seismic map of Greece in the scale of 1:500.000, *Proceedings of the 6<sup>th</sup> Pan-Hellenic Geographical Conference of the Hellenic Geographical Society*, Vol. 11, pp. 9-16, 2002.
6. Karakostas, V.G, Papadimitriou, E.E, Karakaisis, G.F., Papazachos, C.B., Scordilis, E.M., Vargemezis, G. and **Aidona, E.**, The 2001 Skyros, Northern Aegean, Greece, earthquake sequence: Off - fault aftershocks, tectonic implications, and seismicity triggering, *Geophys. Res. Lett.*, 30, 2002.
7. **Aidona E.**, Scholger R. and H. J. Mauritsch., New techniques for sampling and consolidation of sediments: Application to burnt soils from an archaeological site in Austria. *Bull. Geol. Soc. Greece*, XXXVI, 1129-1137, 2004.
8. Sarris, A., K. Kouriati, E. Kokkinou, E. **Aidona**, L. Karagianni, G. Vargemezis, G. Stamatis, M. Elvanidou, E. Katifori, M. Kaskanioti †, S. Soetens, Th. Kalpaxis, Y. Bassiakos, C. Athanassas, B. Hayden & T. Brennan, «A Multi-disciplinary Approach to Industrial Sites of the Vrokastro Region of Mirabello, Eastern Crete», International Conference Computer Applications in Archaeology "The World in your Eyes", Tomar, Portugal, March 21-24, 2005.

9. **Aidona E.**, Scholger R., H. J. Mauritsch., Schepp E. and Klemm S., Spatial distribution of archaeomagnetic vectors within archaeological samples from Eisenerz (Austria). *JGI*, 166, 46-58, 2006.
10. **Aidona E.**, Kondopoulou D., Scholger R., Georgakopoulos A. and A. Vafeidis, Palaeomagnetic investigations of sediment cores from Axios zone (N. Greece): Implications for low inclinations in the Aegean, *E-Earth* 3,1-12,2008.
11. **Aidona E.**, R. Scholger, H. J. Mauritsch and M. Perraki. Remanence acquisition in a Roman-style gold furnace. *Physics and Chemistry of Earth, Special Issue*, 33, 438-448, 2008.
12. Sarris, A., Kokkinou, E., **Aidona, E.**, Kallithrakas-Kontos, N., Koulouridakis, P., Kakoulaki, G., Droulia, K. and Damianovits, O., Environmental study for pollution in the area of Megalopolis Power Plant (Peloponnesos, Grece). *Environmental Geology*, 58, 1769-1783, DOI 10.1007/s00254-008-1676-3, 2009.
13. **Aidona, E.**, Kondopoulou D., Alexandrou M., Ioannidis. N. Archaeomagnetic studies in kilns from N. Greece. *Proceedings of the 12<sup>th</sup> International Congress*, XLIII, 4, 1888-1897, 2010.
14. Spatharas, V., Kondopoulou, D., **Aidona, E.** and Efthimiadis, K.G. New magnetic mineralogy and archaeointensity results from Greek kilns and baked clays. *Studia Geophysica et Geodaetica*, 55, 131-157, 2011.
15. Kondopoulou D., Sen S., **Aidona E.**, Van Hinsbergen D.J.J., and G. Koufos. Rotation history of Chios Island, Greece since the middle Miocene. *Journal of Geodynamics*, 51, 327-338, 2011.
16. Bourliva A., Kantiranis, N., Papadopoulou, L., **Aidona, E.**, Christoforidis, G. and Kollias, P. On the morphology, geochemical characteristics and magnetic properties of urban road dust particles from the historic center of the city of Thessaloniki, Greece. *Proceedings of the 12<sup>th</sup> International Conference on Environmental Science and Technology*, Rhodes, Greece, 8-10 September 2011.
17. **Aidona E.** and I. Liritzis. Magnetic Susceptibility and Radioactivity Changes of Aegean and Ionian Sea Sediments during Last Glacial/Interglacial: Climatic and Chronological Markers. *Journal of Coastal Research*, 28, 2, 342 – 353, 2012.

18. **Aidona E.** Archaeomagnetic study of burnt structures of the Neolithic site Avgi Kastorias. *Proceedings of the 22<sup>nd</sup> Archaeological meeting in Macedonia and Thrace, 11-16, 2012. (in Greek).*
19. **Aidona E.,** Kondopoulou, D. First archaeomagnetic results and dating of Neolithic structures in Northern Greece. *Studia Geophysica et Geodaetica* (in press).