

Brief Curriculum Vitae

SURNAME: STAMPOLIDIS

FIRST NAME: ALEXANDROS

Date and place of birth: 16/3/1972, KILKIS, GREECE **Nationality:** GREEK

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Education

2000 PhD in Applied Geophysics, Aristotle University of Thessaloniki, Greece

1997 MSc in Geophysics, Aristotle University of Thessaloniki, Greece

1994 Geology degree, Aristotle University of Thessaloniki, Greece

Career/Employment

2016-today Research and Teaching Staff - Department of Geophysics, School of Geology,
Aristotle University of Thessaloniki, Greece

2013-2016 Researcher - Norwegian Geological Survey, (NGU), Trondheim, Norway

2002 -2013 Permanent Staff - Dept. of Geophysics, School of Geology, Aristotle University of
Thessaloniki, Greece

2002-2003 Lecturer, Technological Institute of Crete, Greece

1997-2002 Geophysical Consultant

Research Statement

My research activities started since 1993 (as undergraduate student at Aristotle University - AUTH) and continued during my postgraduate (MSc and PhD) studies (1995-2000) at the Geophysical Laboratory of the Aristotle University of Thessaloniki (AUTH).

I have been actively participated in more than 100 research projects of the Exploration Geophysics Lab. AUTH in many fields i.e., Archaeological Prospection, Geoenvironmental Studies, Regional and Local Geophysical Studies, Geotechnical Engineering Geophysical Studies, Mineral resources, Water resources etc.

I have worked as a member of the helicopter geophysics team at NGU in Norway for three years (2013-2016). During that time, I have actively taken part in airborne geophysics data acquisition (EM, Mag and RAD) and on the processing of magnetic and spectrometry data, for the MINN and MINS projects. One of my tasks was to formulate the processing sequences for magnetic and spectrometry data in Geosoft's Oasis Montaj environment and processed airborne data. I've built Geosoft scripts that are easy to handle and understand. Those scripts are currently in use by colleagues at NGU for helicopter data processing. A few years ago, I have also started a collaboration with KFUPM in S.Arabia as an expert in potential fields, and published our work in peer reviewed journals..

I am a trained geologist with expertise in applied geophysics for more than 25 years. I have tried to apply geophysical techniques and especially Gravity and Magnetic methods to geophysical problems at different scales ranging from local (Archaeological Prospection) to regional (Geomagnetic Field studies). Through my research and professional activities, I have gained extensive experience in the following fields:

Gravity and Magnetic data acquisition, processing and modelling

Airborne geophysics

Gamma ray spectrometry

Curie Point Depth Estimations

Application of Geophysical Techniques to Archaeological site Prospection

Geophysical Data Acquisition and Interpretation (Electrical, Magnetic, Gravity, GPR, VLF, Seismic)

Inversion Techniques applied to Geophysical Data

Environmental and Engineering Geophysics

MSc – PhD Thesis

Msc **A. Stampolidis**. Geophysical Study of Thasos Island with the use of Potential Fields Methods, p.86, Aristotle University of Thessaloniki, 1997.

PhD **A. Stampolidis**. The Geomagnetic Field in Macedonia and Thrace and its Relation to the Geophysical and Geological Structure of the Area, p.258, Aristotle University of Thessaloniki, 2000.

I have published many articles in peer-reviewed journals and international conference proceedings that can be found in:

<https://scholar.google.co.uk/citations?user=uFrCD1cAAAAJ&hl=en>

Selected Publications

1. Håvard Thørring, Vikas C. Baranwal, Martin A. Ytre-Eide, Jan S. Rønning, Alexander Mauring, **Alexandros Stampolidis**, Jon Drefvelin, Robin J. Watson, Lavrans Skuterud. Airborne radiometric survey of a Chernobyl-contaminated mountain area in Norway – using ground-level measurements for validation. *Journal of Environmental Radioactivity* Volumes 208–209, November 2019, 106004
2. V. N. Grigoriadis, I. N. Tziavos, G. N. Tsokas, and **A. Stampolidis**. Gravity data inversion for Moho depth modeling in the Hellenic area: *Pure Appl. Geophys.* 173, 1223–1241, 2016
3. G.N. Tsokas, J.-H. Kim, P.I. Tsourlos, G. Angistalis, G. Vargemezis, **A. Stampolidis** and N. Diamanti. Investigating behind the lining of the Tunnel of Eupalinus in Samos (Greece) using ERT and GPR: *Near Surface Geophysics*, Vol 13, No 6, 571 – 583, 2015
4. Andersson, M., Eggen, O.A., Jensen, H., **Stampolidis, A.**, Bjerkgård, T. & Sandstad, J.S.: Geochemistry of soil in relation to air-borne geophysical data and bedrock geology in Hattfjelldal, northern Norway. *Norwegian Journal of Geology* 95, 315–337, 2015
5. Trond Slagstad, Bjørn Willemoes-Wissing, Nolwenn Coint, **Alexandros Stampolidis**, Morgan Ganerød & Frode Ofstad. Geology and metallogenic potential of the northwesternmost Norrbotten Province around Altevattn in Troms, northern Norway. *Norwegian Journal of Geology*, Vol 95, Nr. 3–4, 445-466, 2015
6. Aziz Nasuti, David Roberts, Marie-Andrée Dumais, Frode Ofstad, Eija Hyvönen, **Alexandros Stampolidis** & Alexei Rodionov. New high-resolution aeromagnetic and radiometric surveys in Finnmark and North Troms: linking anomaly patterns to bedrock geology and structure. *Norwegian Journal of Geology*, Vol 95, Nr. 3–4, 2015
7. **A. Stampolidis**, G.N. Tsokas. The Use of Edge Delineating Methods in Interpreting Magnetic Archaeological Prospection Data. *Archaeological Prospection* 19, 123-140, 2012
8. V.K. Karastathis, J. Papoulia, B. Di Fiore, J. Makris, A. Tsambas, **A. Stampolidis**, G.A. Papadopoulos. Deep structure investigations of the geothermal field of the North Euboean Gulf, Greece, using 3-D local earthquake tomography and Curie Point Depth analysis. *Journal of Volcanology and Geothermal Research*, 206, 106–120, 2011
9. G. N. Tsokas, P.I. Tsourlos, **A. Stampolidis**, D. Katsonopoulou and S. Soter. Locating the central roman road in the area of ancient Helike by resistivity tomographies. *Archaeological Prospection*, 16,4,251-266, 2009
10. Tsokas, G.N., **Stampolidis, A.**, Angelopoulos A.D., and Kiliyas, S., Analysis of potential field anomalies in Lavrion mining area, Greece., *Geophysics*, 63, 6, 1965-1970, 1998.