

Magdalini Angeli | Geophysicist

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<https://www.gaiodes.com/>

Education

Technical University of Crete, Greece

Master of Science in Geotechnology and Environment

Thesis: Seismic Reflection contribution to imaging complex geological structures at Western Greece.

Technical University of Crete, Greece

Sep 2006 – Feb 2013

Diploma of Mineral Resources Engineering, Integrated Master's Degree.

Thesis: Identification of leaks at the Amari River Dam with the contribution of infrared images.

Experience

Survey Engineer

Feb 2013- Feb 2018

Technical office | Self-employed

Prepared applications for water abstractions licenses.

Land surveying - Tunnel surveying

Geophysicist

Feb 2018- Dec 2023

HSGME | www.eagme.gr

Hellenic Survey of Geology & Mineral Exploration (H.S.G.M.E)

Contribution to Geophysical Survey at Kimmeria Public Mining Area with AMT / CSAMT / TEM / MAG / RES / IP methods.

Analyzing and Processing with ENVI, PAN-SWIR and Multi-Spectral Satellite Images for Mineral Alteration

Extraction at Kimmeria Public Mining Area.

Projects

- **Geophysical Survey at Western Peloponnese for Mapping the Geological Bedrock. Transient Electromagnetic Survey Results in Katakolo.** Karmis P., Angeli M. 2018.
- **Geomagnetic Repeat Station Survey in Albania.** Tsailas P., Noutsis V., Angeli M., 2019. (Magnetic Observatory of Pedeli – Aristotle University of Thessaloniki – University of Tirana)
- **Exploration Research of Fe-Cu Skarn Mineralization at Kimmeria Public Mining Area.** Laskaridis K., Karmis P., Angeli M., Anastasatou M., Mavrogonatos K., Fitros M., Chatziapostolou A., et. al.
- **Development of an Algorithm for Gravitational Terrain Effect Computation.** Angeli M. 2023.

Residential Energy Inspector

Jan 2024- Present

Certified Energy Auditor | Self-employed

Energy Certifications for buildings

Business Owner | Gaiodes

Feb 2025- Present

Geophysical –Remote Sensing Services

Publications

The Controlled-source Audio-frequency Magnetotellurics (CSAMT/AMT) method tested in the search for deep Fe-Skarn mineralization at Kimmeria, Xanthi, N. Greece Conference paper RAWMAT 23 (in progress).

Petros Karmis, Magdalini Angeli, Dimitrios Tsouvalas, Constantinos Mavrogonatos, Michalis Fitros, Marianthi Anastasatou, Adamantia Chatziapostolou, Konstantinos Laskaridis. Hellenic Survey of Geology and Mineral Exploration - H.S.G.M.E.

Mineral Exploration at the Kimmeria Fe-Cu Skarn Deposit, N. Greece: Reassessment and New Perspectives Focusing on the CRMs. *Mater. Proc.* **2023**, 15, 75. <https://doi.org/10.3390/materproc2023015075>

Fitros, M.; Mavrogonatos, C.; Anastasatou, M.; Chatziapostolou, A.; Laskaridis, K.; Karmis, P.; Angeli, M.; Tsouvalas, D.; Liakopoulos, A.; Tarenidis, D.; et al. Hellenic Survey of Geology and Mineral Exploration - H.S.G.M.E.

Soil geochemical spatial distribution trend of heavy metals in the Kimmeria Public Mining Area, Northern Greece.

Marianthi Anastasatou, Constantinos Mavrogonatos, Alexnados Liakopoulos, Konstantinos Laskaridis, Michalis Fitros, Adamantia Chatziapostolou, Petros Karmis, Magdalini Angeli, Dimitrios Tsouvalas. Hellenic Survey of Geology and Mineral Exploration - H.S.G.M.E.

Mineral Exploration using Remote Sensing and Machine Learning Techniques: A case study from the Kimmeria Fe-Cu skarn deposit, Greece (in prep.)

Emmanuel Bratsolis⁵, Pavlos Patsonis¹, Georgios Giannopoulos¹, Eleni Charou¹, Ioannis Vernicos^{1,4}, Constantinos Mavrogonatos², Marianthi Anastasatou³, Michalis Fitros³, Magdalini Angeli³, Marianthi Stefouli³, Konstantinos Laskaridis³.

¹ Institute of Informatics and Telecommunications, N.C.S.R. Demokritos, Athens Greece.

² Department of Earth Sciences, University of Pisa, Italy.

³ Hellenic Survey of Geology and Mineral Exploration, Athens Greece.

⁴ Department of Informatics and Telecommunications, University of Thessaly, Lamia Greece.

⁵ Department of Surveying & Geoinformatics Engineering, University of West Attica, Athens Greece.

Combination of WorldView-3 satellite data and Magnetic Survey in situ: A case study in Kimmeria Public Mining Area, Greece. (in prep.)

Magdalini Angeli, Constantinos Mavrogonatos, Petros Karmis⁺, Marianthi Anastasatou, Michalis Fitros, Konstantinos Laskaridis. Hellenic Survey of Geology and Mineral Exploration- H.S.G.M.E.

Certifications

ECDL CAD Certificate | European Computer Driving Licence | Oct 2008

GIS , Mapping and Environment GIS -Application Development | CCELL NKUA | 2017-2018

HTML 5 and JAVASCRIPT. First Step In Web Development | CCELL NKUA | Nov 2017-Jan 2018

Natural Disasters From The Perspective Of Climate Change | HOU | Okt 2018- Feb 2019

Certificate Of Remote Pilot Competency A1-A2-A3 | EASA | Exp.Date 18/03/2027

European First Aid Certificate | Red Cross | 10/06/2022

Certificate Of English Language Proficiency | Michigan University | 27/05/2023