

CURRICULUM VITAE

Dr. Grigorios Aarne Sakellaris

Academic Position: Assistant professor (7.2021-)

Academic Field: Economic Geology

Contact Information:

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Working languages: Greek, Finnish, German, English (excellent)

EDUCATION

9.1996-11.2001: Diploma, Geology

Faculty of Geology and Geoenvironment, National and Kapodestrian University of Athens

Overall Grade: very good

1-7.2000: Semester Courses in Ore Deposit Geology-Geochemistry

Department of Earth Sciences, Utrecht University, Holland

4.2002-10.2007: Doctor of Philosophy (PhD), Economic Geology-Mineralogy

Institute of Mineralogy and Economic Geology, RWTH Aachen University, Germany.

Grade: summa cum laude

MAIN PROFESSIONAL EXPERIENCE

6-8.2001 Normandy La Source-Thracean Gold Mines. Practicum. Drill core logging, field mapping.

4.2002-10.2007 RWTH Aachen University, Germany. Researcher and laboratory assistant.

10.2010-7.2011 Core Power GmbH, Siegen, Germany. Database management and acquisition of exploration rights for the Siegen cobalt deposits.

11.2011-9.2014 Endomines Oy, Pampalo Gold Mine, Ilomantsi, Eastern Finland. Senior Exploration Geologist. Exploration planning and management. Resource estimation and technical reporting.

10.2014- 2.2016 Malmi Geoconsulting, Helsinki, Finland. Owner and principal Consultant. Drillcore database management, 3D-geological deposit modelling, Resource estimation.

Examples: Hosko (gold), Pampalo (gold) Sotkamo (silver), Korvilansuo (gold).

3.2016- 7.2018 Independent Contract Consultant, Mikkeli, Finland. database management, 3D-geological deposit modelling, Resource estimation.

PARTICIPATION IN SEMINARS

11-13.12.2001 Platinum Group Elements and Magmatic Sulfide Deposits Course, Freiberg University, Germany

28-30.7.2003 Fluid Inclusions in Ore Deposits Courses, Würzburg University, Germany

10-11.2010 Online Teaching Orientation Courses, Northampton University, Pennsylvania, USA (2 μήνες)

15-17.2.2012 Surpac 3D Geomodeling Software Training Course, WSP, Helsinki, Finland

1-4.9.2012 Gemcom's Advanced Resource Estimation and Geostatistics Courses, WSP, Helsinki, Finland

17-18.10.2012 Geochemistry & Ore Deposit Model Seminar, Oulu University, Finland

21-25.3.2022 Workshop on Portable Spectroscopic Tools, Georesources Lab, University of Lorraine, Nancy, France

7.2022 Maptek's Vulcan Software Training Online Courses, Edinburg, UK (1 month)

DISTINCTIONS-AWARDS

2^o PRIZE INTERNATIONAL COMPETITION Karelian Gold Rush Global Exploration Challenge (3.2016). Title «Target modelling and interpretation of aeromagnetic data for gold exploration at the Hattu schist belt»

BORCHERS PLAKETTE, RWTH Aachen (9.2009)

MEMBERSHIP

1. The Finnish Union of Environmental Professionals (YKL)
2. Finnish Association of Mining & Metallurgical Engineers (VY)
3. Geological Society of Finland (SGS)
4. Geotechnical Chamber of Greece (ΓΕΩΤΕΕ)
5. Association of Greek Geologists (ΣΕΓ)
6. Geological Society of Greece (ΕΓΕ)
7. Society of Geology Applied to Mineral Deposits (SGA)

TEACHING ACTIVITIES

UNDERGRADUATE LEVEL COURSES

1. Ore Deposit Geology -GMO 534Y, 5th semester
2. Economic Geology -GMO 886E, 8th semester
3. Ore Deposit Geology Lab, 5th semester
4. Field Work-Excursions

POSTGRADUATE LEVEL COURSES

1. Geochemical Data Processing – Resource Estimation
2. Mineral Exploration and Exploitation Methods

SUPERVISION OF MSc THESES

Current (2022)

1. Application of the Data-Driven Weights of Evidence Method for Mineral Prospectivity Mapping in GIS
2. Three-dimensional Modelling and Geochemical Anomaly Mapping of the gold-endowed Hattu Schist Belt, Eastern Finland
3. Mineralogical and geochemical study of the banded Iron Formation (BIF) at Porkonen in Northern Finland
4. Review of non-energy mineral raw materials in Greece

RESEARCH INTERESTS

- a. Geological, mineralogical and geochemical investigation of ore deposits
- b. 3D-Geological modelling and geostatistical investigation of mineral resources
- c. Application of geospatial analysis methods in exploration prospecting
- d. Application of portable spectroscopic devices in mineral exploration

PARTICIPATION IN RESEARCH PROJECTS

7.2022- 6.2024 Targeted Investigation of Critical Metals in Vein-Hosted Gold Deposits at the Serbomacedonian Metallogenic Province, North Greece. Program: IKYDA2022, Cooperation: AUTH-RWTH Aachen. **Project Leader: Sakellaris G.A.**

11.2021-10.2025 Action for Research and Teaching Mining Exploration Inclusive School Program: ERASMUS+, Cooperation: Universite de Lorraine, Ergotherapy Institute Lorraine, ΑΠΘ, ΕΚΠΑ, Universität Erlangen-Nürnberg. P.L.: Tarantola A.

9.2013-8.2017 Chemical Controls on Gold Transport and Deposition in Orogenic-Gold Systems. Program: Suomen Akatemia, Cooperation: Helsinki University-Endomines. P.L.: Wagner T.

4.2012-3.2016 Orogenic Gold Mineralization in the Hattu Schist Belt. Program: Suomen Akatemia, Cooperation: Geological Survey of Finland-Endomines. P.L.: Molnar F.

REVIEWER

1. Minerals (mdpi)
2. Encyclopedia (mdpi)

EDITOR

Melfos V., Voudouris P., Sakellaris G. A. (2022) Guest Editors at the Special Issue “Economic Mineral Deposits: A Review”. Minerals, 2022
(https://www.mdpi.com/journal/minerals/special_issues/EMDAR)

PARTICIPATION IN CONFERENCES

- 3.2000** Political and Economical Aspects of Earth Sciences, Utrecht, Holland, March 2000
- 9. 2001** 9^o International Meeting EGE, Athens, Greece
- 9.2002** Deutsche Mineralogische Gesellschaft Conf., Hamburg, Germany (1 paper)
- 8. 2003** 7th Biennial SGA meeting, Athens, Greece
- 4. 2004** TSK (Tektonik-Struktur-Kristallineol.) Conf., Aachen, Germany (1 paper)
- 8. 2004** 32nd International Geological Congress, Florence, Italy (1 paper)
- 9. 2004** Earth Sciences into 3rd Millenium, Bochum, Germany (1 paper)
- 9. 2005** Deutsche Mineralogische Gesellschaft Conf., Aachen, Germany (1 paper)
- 9. 2006** Deutsche Mineralogische Gesellschaft Conf., Karlsruhe, Germany (1 paper)
- 9. 2006** IGCP-486 Gold-Silver-Tellurides Field Workshop, Izmir/Turkey
- 9. 2008** XIII International Conference on Thermobarogeochemistry and IV APIFIS symposium, Moscow, Russia (2 papers)
- 8.2013** 12th Biennial SGA meeting, Uppsala, Sweden (2 papers)
- 10. 2013** Gold of Fennoscandia Internat. Conference, Petrozavodsk, Russia (1 paper)
- 3.2017** 3rd Colloquim of Finnish Geosciences, GTK, Espoo, Finland
- 9.2022** Deutsche Mineralogische Gesellschaft Conf., Cologne, Germany (1 paper)