

EFFIMIA L. THOMAIDOU

Dr. GEOLOGIST

Laborat. Educat. Staff, Department of Geology, Aristotle University of Thessaloniki

CURRICULUM VITAE

THESSALONIKI 2021

1. GENERAL INFORMATION - STUDIES - PROFESSIONAL ACTION

1.1 General Information

father's name: Leonidas
date of birth: 28-6-1973
place of birth: Thessaloniki, Greece
position: Lab.Educ.Staff Department of Geology
Laboratory of Geology & Palaeontology
Department of Geology
Aristotle University of Thessaloniki
e-mail: efithom@geo.auth.gr

1.2 Studies

- Degree in Geology, Department of Geology A.U.TH. - 1997
- Master Diploma in Geology, Postgraduate Program Geology & Geoenvironment, Specialization "Structural Geology - Stratigraphy", Department of Geology A.U.TH. - 2000
- Doctoral Diploma, Ph.D, Department of Geology A.U.TH. - 2010, entitled: "The Geological Structure of Lesvos Island"

1.3 Foreign Languages - Knowledge

- English: degree Proficiency of Cambridge
- computer use - GIS

1.4 Scholarships

- Scholarship of Research Committee A.U.TH. - Master thesis 1998-1999
- Scholarship of National Scholarships Foundation 1999-2002
- Scholarship of General Secretariat for Research and Innovation - PhD 2003-2006

1.5 Professional activity

Current position (2014-present):

Lab.Educ.Staff, Department of Geology A.U.TH., in object: Geology of Greece - Geotectonic Evolution - Structural Geology

2002-2014: staff in Department of Geology A.U.TH.

1999-2002: Geologist – partner of the Norwegian Company Norconsult, consultant and designer in Egnatia Odos projects O.E.

2. SCIENTIFIC OBJECTS - RESEARCH PROGRAMS - STUDIES

2.1 Research objects

- Geology of Greece
- Geotectonic Evolution of Greece and broader area
- Structural Geology
- Mapping
- Construction of geological cross-sections
- Study of geological-tectonic structures, tectonic deformation and processing of structural data
- Construction of maps and 3D-models, GIS

2.2 Working objects

- Research and educational work in cognitive subjects of Laboratory of Geology & Palaeontology and specifically in tectonics, geology of Greece, geotectonic evolution of Greece, geological mapping.
- Use of GIS programs for educational and research work of Department of Geology and software on tectonic analysis.
- Research work on tectonic mesearments and field mapping, processing of data and construction of tectonic data processing diagrams - tectonic analysis.

2.3 Research programs

A.Π.Θ.

1. "Neotectonic study in the broader area of Polyfytos - Ilarionas - Elafi dams ", under Scientific Supervisor Professor D. Mountrakis, during 1-6-1996 to 31-12-1997.
2. "Study and design of the Neotectonic map in scale 1/100.000, KOZANI Sheet", under Scientific Supervisor Professor D. Mountrakis, during 1-7-1996 to 31-7-1997.
3. "Comprehensive neotectonic, seismotectonic and technical-geological study, in the area of Kozani - Grevena of 13th May 1995 earthquake", under Scientific Supervisor Professor D. Mountrakis, during 1-1-1997 to 31-12-1997.
4. "Preliminary design of the exhibition space and equipment of the Museum of Natural History of the Petrified Forest of Lesvos", under Scientific Supervisor Professor D. Mountrakis, during 1-10-1998 to 31-12-1998.
5. "Extensional collapse of the Alpine arc: Comparison between Betides (Spain) and Hellenides (Grrece) geotectonic belts", under Scientific Supervisor Professor A. Kilias, during 15-6-2000 to 15-9-2000.
6. "Construction of the Neotectonic map of Greece. "Rhodolivos" and "Samos" Sheets" (Earthquake Planning and Protection Organization), under Scientific Supervisor Professor D. Mountrakis, during 21-2-2002 to 4-11-2002.

7. "Determination of the characteristics and the seismotectonic behavior of the main seismic-active faults of the Northern Greek area " (Earthquake Planning and Protection Organization), under Scientific Supervisor Professor D. Mountrakis, during 1-3-2001 to 31-12-2001.
8. "Neotectonic - seismotectonic study of the Northern Zone of the Prefecture of Chania, Crete", under Scientific Supervisor Professor D. Mountrakis, during 1-1-2002 to 31-12-2002.
9. "Construction of seismotectonic map of the Aegean broader area at the Natural History Museum of Lesbos' Petrified Forest", under Scientific Supervisor Professor D. Mountrakis, during 1-3-2006 to 18-4-2006.

As scholar:

10. "Enhancement of Research Infrastructure", under Scientific Supervisor Professor A. Filippidis, during 1-9-1998 to 31-8-1999.
11. "Development of methodology for monitoring and protection of water resources of river basins. Application in Gallikos River basin, Prefecture of Kilikis (EHEDOROS)", under Scientific Supervisor Professor G. Soulios, during 22-5-2003 to 21-5-2006.

UNIVERSITY OF AEGEAN

12. "Abiotic resources and Geological Heritage in the Aegean "in the integrated act entitled" The University of the Aegean, a key factor for the economic and social development of the Aegean area "- Action 6 Research activities on Insularity", under Scientific Supervisor Professor N. Zouros, during 12-6-2013 to 31-7-2014.

UNIVERSITY OF IOANNINA

13. "Integrated seismic disaster management system (ERMIS) "Ε.Σ.Π.Α. 2014-2020, Territorial Cooperation Programs, Interreg V-A Cross-Border Cooperation Program "Greece-Italy", under Scientific Supervisor Professor X. Aslanoglou, during 4-7-2019 to 28-2-2020.

COOPERATION

WITH LICENSE TO PRACTICE PRIVATE WORK

13. "Protection and conservation of the Biodiversity of the Samaria National Park (Lefka Ori Mountains) - Subproject 12: Study for updating the geological map of the Lefka Ori Mountains and highlighting the Geodiversity of the area ", in the project proposal by the Design Offices Pavlakis Aik. and Perleros B., during 1-7-2015 to 31-12-2015.

2.4 Participation in Scientific Conferences

- participation in 19 Greek and international conferences and scientific workshops

2.5 Other activity

- Member of the Organizing Committee of the PATA International Conference (Paleoseismology, Active Tectonics, Archeoseismology) Days 2018, (<https://www.patadays2018.org/>), 24-29 June 2018
- Member of the Organizing Committee of the 14th International Conference of the Hellenic Geological Society, (<http://www.ege2016.gr>), 25-27 May 2016
- Member of the organizing committee of the Exhibition "1978-2018, 40 years since the Thessaloniki earthquake", organized by the Department of Geology, A.U.TH. and the Aristotle Museum of Natural History (<http://www.ppxi.gr/index.php/2011-05-28-06-16-56/102-1978-2018-40>), 25-30 June 2018
- By assignment from the Dean of the University of Thessaloniki, organization of the day of the School of Sciences in collaboration with the Alumni Association of A.U.TH. "Professional and Postgraduate Perspectives of the Graduates of the School of Sciences of the Aristotle University of Thessaloniki - Presentation of the Departments of the School and possibilities of retraining of its graduates, as well as information from city bodies about their employment opportunities", (<https://www.auth.gr/en/node/16958>), 28 March 2014.
- As Lab.Educ.Staff, member of the Committees "Organization of Lectures, Seminars, Speeches - Events & Public Relations", "Study Guide - Teaching & Exams Program - Halls and Shared Areas" and "Field Exercises" of the Department of Geology A.U.TH.

3. TEACHING ACTIVITY - COURSE ASSIGNMENTS

3.1 UNDERGROUND STUDY PROGRAM

For 24 years participation in the teaching process of courses of the Undergraduate study program of the Department of Geology A.U.TH.:

- **Assignment of Independent Teaching** during the academic years **2017-18** to **2020-21** in courses:
 - “Geology of Greece” (G’ Semester) - during the academic years 2017-18, 2018-19, 2020-21
 - “Geotectonic Evolution of Greek Area” (H’ Semester) - during the academic years 2017-18, 2018-19, 2019-20, 2020-21
 - “Field Exercise in Western Macedonia-Epirus-Central Greece” /5 days (H’ Semester) - during the academic years 2017-18, 2018-19, 2019-20, 2020-21
- Supervisor at a Undergraduate Thesis
- Supervisor at a Postgraduate Master Thesis
- assignment - co-teaching - assistance in the Laboratories of the courses "Geology of Greece", "Geotectonic Evolution of the Greek Area", "Structural Geology" and

the course "Field Exercises" of the undergraduate program of the Department of Geology A.U.TH. from 1998 - today

- co-assistance in the Laboratory of the course "Geological Mapping" (1998-2005) and in the course "Geological Field Mapping" (1998-2009) of the undergraduate program of the Department of Geology A.U.TH.
- assignment, escort - assistance in conducting Field Exercises, geological mapping, educational excursions of the Department of Geology, A.U.TH.
 1. "Field Exercise in Western Macedonia - Epirus - Central Greece" from 1999-today
 2. Field Exercise at Olympus Mountain from 2009-today
 3. Field Exercise in Eastern Macedonia from 2009-today
 4. Field Exercise "Euzoni-Skra" from 2009-today
- Supervision of students' dissertations, diploma theses and postgraduate theses. Supervision of Field Exercise Guides, preparation of laboratory exercises, supervision of examinations of the courses of the Department of Geology.

3.2 POSTGRADUATE STUDY PROGRAM

For 11 years participation in the teaching process of the Master's degree and study program of the Department of Geology, A.U.TH.:

Postgraduate Program (2010 - 2014)

- co-teaching of the course "Global Tectonics" in the specialization "**Structural Geology - Stratigraphy**", of the Postgraduate Program "Geology & Geoenvironment" of the Department of Geology A.U.TH.
- teaching G.I.S. courses for the construction of maps and models in the specializations "**Structural Geology - Stratigraphy**" and "**Applied & Environmental Geology**", of the Postgraduate Program "Geology & Geoenvironment" of the Department of Geology A.U.TH. (2010 - 2014).
- Participation by appointment in the 3-member Advisory Committee of 2 Postgraduate Specialization Theses of the Geology Sector on Geology of Greece - Geotectonic Evolution of the Greek Area

Postgraduate Program (2014-15 to 2017-18)

of the Postgraduate Program of Applied & Environmental Geology, specialization: "**Structure and Evolution of Sedimentary Basins**", of the Department of Geology A.U.TH.

- co-teaching of courses:
 1. "Geographic Information Systems (GIS)",
 2. "Basin tectonics",
 3. "Stress and Deformation Analysis",
 4. "3D Structural Geology and Mapping"

Postgraduate Program (2018-19 to 2020-21)

Specialization: Engineering Geology and Environment

- co-teaching of courses:

1. GEOGRAPHIC INFORMATION SYSTEMS (GIS)
2. COMPILATION OF GEOLOGICAL MODELS IN APPLIED GEOLOGY
3. ENGINEERING GEOLOGY MAPPING

4. REVIEWER OF SCIENTIFIC PAPERS

Reviewer in scientific journal - conference:

- 14th International Conference of the Geological Society of Greece, EGE2016

5. PUBLICATIONS

5.1 Scientific Papers

- 5.1.1 Pavlides S., Christou O., Chatziioannidou M., Chatzipetros A., **Thomaidou E.** and Vlachou T. (1998). GIS use in compilation of the morphoneotectonic map of Aegean broader region. *7th International Conference on Natural and Man-Made Hazards, abstract volume, 118.*
- 5.1.2 Mountrakis D., **Thomaidou E.**, Zouros N. and Kiliias A. (2001). Kinematic analysis and tertiary evolution of the Lesvos ophiolites and metamorphic sole (Aegean Sea, Greece). In: *Proceedings of the 9th Congress of the Geological Society of Greece (G.S.G.), Athens, 2001, Bulletin of the Geological Society of Greece vol. XXXIV/1, 267-274.*
- 5.1.3 Mountrakis D., Kiliias A., Vavliakis E., Psilovikos A. and **Thomaidou E.** (2003). Recent tectonics in Samos Island (Aegean Sea) and active faults. In: *The south aegean active volcanic arc: present knowledge and future perspectives, Milos island.*
- 5.1.4 Mountrakis D., Kiliias A., Vavliakis E., Psilovikos A. and **Thomaidou E.** (2003). Neotectonic map of Samos Island (Aegean Sea, Greece): implication of Geographical Information Systems in the Geological mapping. *4th European Congress on Regional Geoscientific Cartography and Information Systems, Bologna - Italy, Proceedings, p.11-13.*
- 5.1.5 Chatzipetros A. and **Thomaidou E.** (2005). Geological and structural setting of Ermakia cave, northern Greece. *14th International Congress of Speleology, Athens.*
- 5.1.6 Mountrakis D., Tranos M., Papazachos C., **Thomaidou E.**, Karagianni E. and Vamvakaris D. (2006). Neotectonic and seismological data concerning major active faults and the stress regimes of Northern Greece. In: *Robertson*

A.H.F. & Mountrakis D. (eds), *Tectonic Development of the Eastern Mediterranean Region, Journ. Geol. Soc., London, Spec. Publ., vol. 260, pp.649-670.*

- 5.1.7 Mountrakis D., Kiliyas A., Pavlaki A., Fassoulas Ch., **Thomaidou E.**, Papazachos C., Papaioanou Ch. and Roumelioti Z. (2007). Neotectonic study of the northwestern Crete. Seismic risk evaluation of the active faults. *Ειδική συνεδρία Επιτροπής Τεκτονικής Ελληνικής Γεωλογικής Εταιρίας (in press).*
- 5.1.8 Papaioannou Ch., Roumelioti Z., Papazachos C., Mountrakis D., Kiliyas A., Pavlaki A., Vamvakaris D., Benetatos Ch., **Thomaidou E.** and Fassoulas C. (2008). "Probabilistic and Deterministic Seismic Hazard Assessment of W. Creta Based on an Integrated Approach of Geological, Seismological and Seismotectonic Data". *Presented in "The 3rd National Conference of Earthquake Engineering and Engineering Seismology", Athens – Greece.*
- 5.1.9 Mountrakis D., Kiliyas A., Pavlaki A., Fassoulas C., **Thomaidou E.**, Papazachos C., Papaioannou C., Roumelioti Z., Benetatos C. and Vamvakaris D. (2012). Neotectonic study of the northwestern Crete Island. Seismic risk evaluation of the active faults. *In: (Ed.) Emmanuel Skourtsos and Gordon S. Lister, The Geology of Greece, Journal of the Virtual Explorer, Electronic Edition, ISSN 1441-8142, volume 42, paper 4.*
- 5.1.10 Mountrakis D., Kiliyas A., Pavlaki A., Fassoulas C., **Thomaidou E.**, Papazachos C., Papaioannou C., Roumelioti Z., Benetatos C. and Vamvakaris D. (2013). Neotectonic analysis, active stress field and active faults seismic hazard assessment in western Crete. *In: Proceedings of the 13th International Congress of the Geological Society of Greece (G.S.G.), Chania, Sept. 2013, Bulletin of the Geological Society of Greece vol. XLVII /2, 582-594.*
- 5.1.11 Mountrakis D., Kiliyas A., Pavlaki A., Fassoulas Ch., **Thomaidou E.**, Papazachos C., Papaioannou Ch., Roumelioti Z., Benetatos Ch. and Vamvakaris D. (2015). "Neotectonic & Seismotectonic Research in Northwest Crete & Seismic Risk Assessment of Active Faults". *Poster Presentation - International workshop: «SafeChania 2015: The Knowledge Triangle in the Civil Protection Service», 10-12 June 2015, Chania, Crete, Greece.*
- 5.1.12 Pavlaki A., Perleros V., Fassoulas C., Mountrakis D., Kiliyas A., **Thomaidou E.**, Pavlakis P., Riziotis C., Goumenaki P., Pavlaki-Kalogeris G., Lionis M., Lioni Aik, Lionis C., Paragamian S., Malekakis S., Drakopoulou E., Eseridou E & Perleros K.(2016). "Geological Study & revelation of the Lefka Ori West Crete mountains' geoenvironment dynamism". *Poster Presentation - 3th International Geo - Cultural Symposium "Samaria 2016" - «Mesonisos» (Centre of Island of Mediterranean Culture), 13-15 May 2016, Chania, Crete (in press).*
- 5.1.13 Pavlides Sp., Ganas Ath., Papathanasiou G., Valkaniotis S., **Thomaidou E.**, Georgiadis G., Sboras S. and Chatzipetros Al. (2016). Geological-Seismotectonic Study of the wider area of Ioannina (seismic region of the

earthquake October 15, 2016). *1st Tectonics and Structural Geology Meeting, Tectonics and Structural Geology Committee of the Geological Society of Greece, 6 December 2016, Athens, Proceedings, 52-53.*

- 5.1.14 Kilias A., **Thomaidou E.**, Katrivanos E., Vamvaka A., Fassoulas C., Pipera K., Falalakis G., Avgerinas S. and Sfeikos A. (2016). A geological cross-section through northern Greece from Pindos to Rhodope Mountain Ranges: a field guide across the External and Internal Hellenides. *In: (Ed.) Adamantios Kilias and Stylianos Lozios, Geological field trips in the Hellenides, Journal of the Virtual Explorer, Electronic Edition, ISSN 1441-8142, volume 50, paper 1.*
- 5.1.15 Pavlides S., Ganas A., Chatzipetros A., Sboras S., Valkaniotis S., Papathanassiou G., **Thomaidou E.** and Georgiadis G. (2017). Geological and seismotectonic characteristics of the broader area of the October 15, 2016, earthquake (Ioannina, Greece). *EGU General Assembly 2017, Geophysical Research Abstracts Vol. 19, EGU2017-18135-1.*

5.2 COMPILATION OF GEOLOGICAL - TECTONIC MAPS

- construction of 8 geological, neotectonic, seismotectonic maps (4 of which for the Organization of Earthquake Planning & Protection - O.A.S.P., follow in detail)

- 5.2.1 **Thomaidou E.**, Mourouzidou O., Fytikas M., Vougioukalakis G. and Zouros N. (1997). Geological map of the Nisiopi Islet, scale 1:5.000. *Natural History Museum of the Petrified Forest of Lesvos.*
- 5.2.2 Mountrakis D., Kilias A., Pavlides S., Vavliakis E., Tranos M., Zouros N., Spyropoulos N., Chatzipetros A., Karakostas V., Scordilis M., Gountromichou C. and **Thomaidou E.** (1999). Neotectonic Map of Greece, "KOZANI" sheet, scale 1:100.000. *Earthquake Planning and Protection Organization.*
- 5.2.3 Mountrakis D., Tranos M., **Thomaidou E.**, Papazachos C., Karagianni E. and Vamvakaris D. (2003). Map of the major seismic-active faults of Northern Greece, scale 1:500.000. *Earthquake Planning and Protection Organization.*
- 5.2.4 Mountrakis D., Kilias A., Pavlaki A., Fassoulas C., **Thomaidou E.** and Riziotis C. (2004). Neotectonic-Geological Map of the Northern Part of Chania County, Crete, scale 1:50.000. *Chania Prefecture.*
- 5.2.5 Mountrakis D., Kilias A., Pavlaki A., Vavliakis E., Fassoulas C., **Thomaidou E.**, Papazachos C., Papaioannou C., Roumelioti Z., Benetatos C. and Vamvakaris D. (2004). Seismotectonic Map of faults and surface earthquakes' epicenters of Northern Part of Chania County, Crete, scale 1:50.000. *Chania Prefecture.*
- 5.2.6 Mountrakis D., Kilias A., Pavlides S., Tranos M., Spyropoulos N., Zouros N., Syrides G., Scordilis M., Vavliakis E. and **Thomaidou E.** (2006). Neotectonic Map of Greece, "RODOLIVOS" sheet, scale 1:100.000. *Earthquake Planning and Protection Organization.*

5.2.7 Mountrakis D., Kiliadis A., Vavliakis E., Psilovikos A., Karakaisis G., Papazachos C., **Thomaidou E.** and Seitanidis G. (2006). Neotectonic Map of Greece, "SAMOS" sheet, scale 1:75.000. *Earthquake Planning and Protection Organization*.

5.2.8 Mountrakis, D. Papazachos. C. and **Thomaidou E.** (2008). Geological map of the active faults and the seismicity of the wider Aegean area, scale 1:500.000. *Publ. Natur. Hist. Museum of the Petr. Forest of Lesvos*.

5.3 BOOKS - MONOGRAPHS

5.3.1 **Thomaidou E.** (2000). Study of the tectonic deformation of Lesvos ophiolites (in Greek). *Master Thesis, Department of Geology, Aristotle University, Thessaloniki, p.121.*

5.3.2 Mountrakis D., Dimopoulos G. and **Thomaidou E.** (2005). Guide Book for the field-exercise in Western Macedonia-Epirus-Central Greece (in Greek). *Thessaloniki, p.114.*

5.3.3 Mountrakis D. and **Thomaidou E.** (2009). Guide Book for the field-exercise in Eastern Macedonia (in Greek). *Thessaloniki, p.8.*

5.3.4 **Thomaidou E.** (2009). The geological structure of Lesvos Island (in Greek). *Phd Thesis, Department of Geology, Aristotle University, Thessaloniki, p.200.*

5.3.5 Zouros N., Bentana C., Valiakos I., Vasiliadou K.. and **Thomaidou E.** (2015). Lesvos Geopark Guide. *Natural History Museum of the Petrified Forest of Lesvos, Lesvos, ISBN: 978-960-98579-8-7, p.168.*

5.4. REFERENCES

from: <https://www.scopus.com/authid>

from: <https://scholar.google.gr/citations>