

OLGA KOUKOUSIOURA

Title: Laboratory Teaching Staff

Paleontology-Micropaleontology-Biostratigraphy

University: Aristotle University of Thessaloniki

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ACADEMIC QUALIFICATIONS

2012: Ph.D. in Geology and Geoenvironment, Faculty of Geology and Geoenvironment, National and Kapodistrian University of Athens

Title of thesis: Benthic foraminifera as environmental health indices in Holocene Greek coastal environments

2005: M.Sc. in Geology and Geoenvironment, Faculty of Geology and Geoenvironment, National and Kapodistrian University of Athens

Title of thesis: Micropaleontological study of recent benthic foraminifera in the marine environments of Andros Island and investigation of their role as new environmental proxies

2001: B.Sc. in Geology, School of Geology, Aristotle University of Thessaloniki

APPOINTMENTS

2014-present: Laboratory Teaching Staff (Paleontology-Micropaleontology-Biostratigraphy), School of Geology, Department of Geology, Laboratory of Geology and Paleontology, AUTH

2006-2014: Permanent Staff, AUTH

LANGUAGES

Greek (fluent), English (fluent), French (basic)

RESEARCH INTERESTS/ACTIVITIES

- Micropaleontology-Stratigraphy
- Paleoenvironment-Paleogeography
- Environmental Micropaleontology-Biogeology
- Foraminifera Biostratigraphy-Micropaleontology

- Foraminifera, Coccolithophores ecology, Foraminifera as (paleo)environmental proxies

TEACHING EXPERIENCE

2014-present: Undergraduate courses (AUTH):

- Micropaleontology (2nd year students), Introduction in Geology (laboratory and field, 1st year students and in School of Chemistry), Invertebrate Paleontology (laboratory and field, 2nd year students), Vertebrate Paleontology (laboratory and field, 2nd year students), Stratigraphy (laboratory and field, 3rd year students), Multi-day Field Training: Xanthi (1st year students), Central Greece-Peloponnesus (2nd year students)

Postgraduate Courses:

IPSP in Paleontology-Geobiology Specialization in Macropaleontology (AUTH)

- Geological Principles in Paleobiology, Statistical analysis of Paleontological data

IPSP in Paleontology-Geobiology Specialization in Micropaleontology-Biostratigraphy (NKUA)

- Benthic Foraminifera: Taxonomy-Biostratigraphy, Environmental Micropaleontology, Geobiogenic indices, Geological Principles in Paleobiology, Statistical analysis of Paleontological data

IPSP in Hydrocarbon Exploration and Exploitation (AUTH)

- Sedimentary sequences of clastic and carbonate sediments, Sedimentary basins-sediments-transportation and sedimentation processes-Paleogeography-Paleoenvironment

DPSP in Environment: Dynamics of Territories and Societies (Sorbonne University Abu Dhabi)

- Interdisciplinary Environmental Projects, Contemporary Dynamics of Society-Nature (Natural Technological Risks)

DPSP in Development Environmental Planning, Infrastructure Projects and Natural Risk Prevention (Agricultural University of Athens)

- Paleoenvironment-Environmental Micropaleontology and palaeobotanical methods

DPSP in Structure and analysis of sedimentary basins (2014-2018, AUTH)

- Depositional Environments, Applied Stratigraphy, Micropaleontology, Data Analysis, Field practice

THESIS SUPERVISOR

Supervised/ing 7 Bsc thesis, 4 Master theses as consulting committee member, 2 PhD theses as advisor

List of funded projects as Coordinator and Participant

- 2020-present: Micropaleontological study for the monitoring of the marine coastal environments of United Arabian Emirates. University Sorbonne Abu Dhabi, Project Coordinator: O. Koukousioura
- 2020-present: Egeoland: Aegean Island: Paeleoenvironmental and early human settlement. ELIDEK, Project Coordinator: N. Efstratiou
- 2020: Core drilling of environmental samples in central Macedonia. Max Planck Institute, Project Coordinator: K. Vouvalidis
- 2019: Analysis of sediment samples from Wadi Matti and Farasan Islands (Saudi Arabia). University Sorbonne Abu Dhabi, Project coordinator O. Koukousioura

- 2015-2016: Micropaleontological analyses for the geomorphological study of the Wadi Matar (Farasan Islands). University of Paris 1 - Panthéon Sorbonne. Saudi-French Archaeological Mission in the Farasân Islands, Project coordinator: Prof. F. Villeneuve
- 2013-2015: Geoarchaeological and palaeoenvironmental research at the archaeological site (zones A & B) of ancient Stryme". University of Princeton - 18th Ephorate of Antiquities of Komotini, Project coordinator: N. Arrington (Princeton University), PI (AUTH): G. Syrides
- 2012-2015: EU/F7 Perseus: Policy-oriented marine Environmental Research in the Southern EUropean Seas, Project coordinator: V. Papathanasiou (HCMR), PI (NKUA): M. Triantaphyllou
- 2005-2007 Climatic cycles and volcanic activity in the SE Aegean Sea: The role of primary production and the response of terrestrial ecosystems during the last 30000 yrs, EU/Greek Ministry of education, Pythagoras I/EPEAEK II, Project coordinator: M.D. Dermitzakis (NKUA)

Organization of international conferences

- 2018 9th International INQUA Workshop on Paleoseismology, Active Tectonics and Archeoseismology (PATA Days), 25-27 June 2018, Possidi, Greece (organizing committee and chief editor of the Proceedings of the 9th International INQUA Meeting on Paleoseismology, Active Tectonics and Archeoseismology (Koukousioura O. & Chatzipetros A., Eds.), 25-27 June 2018, Possidi (Greece)), <http://www.earthquakegeology.com/index.php?page=publications>
- 2017 INA16, 24-28 September, Athens (organizing committee)
- 2016 14th International Conference of the Geological Society of Greece, Thessaloniki, 25-27 May, Thessaloniki, Greece (organizing committee and chief editor of the Proceedings of the 14th International Conference, vol. L, Bulletin of the Geological Society of Greece), <https://ejournals.epublishing.ekt.gr/index.php/geosociety/issue/archive>
- 2014 10th International Congress of Hellenic Geographical Society, 22-24 October, Thessaloniki, Greece (organizing committee)
- 2006 12th International Cave Bear Symposium-ICBS, 2-5 November, Loutra Aridea, Pella (organizing committee)

Journal Reviewer

Journal of Foraminiferal Research, Revue de Micropaleontologie, Journal of Coastal Research, Marine Biodiversity Records, Acta Geologica Sinica-English Edition, Water, Frontiers in Marine Science Journal, Bulletin of the Geological Society of Greece

Member in Scientific Academic Societies

Geological Society of Greece, Committee of Stratigraphy-Paleontology/Geological Society of Greece, Committee of Geomorphology/ Geological Society of Greece, Sedimentological Society of Greece

Administrative work

2020-present: Internal Evaluation and Certification Committee

2017-2020: Extroversion of the Department Committee

2014-present: Study Guide-Teaching and Examination Program Committee

REPRESENTATIVE PUBLICATIONS

- Dimou V.-G., **Koukousioura O.**, Dimiza M.D., Triantaphyllou M.V., Less G., Pomoni-Papaioannou F., Syrides G., 2021. A preliminary investigation of Eocene larger benthic foraminifera assemblages from Alpine and molasse-type deposits of the Hellenic peninsula (Greece). *Revue de Micropaléontologie* 70, 100468.
- Patoucheas P., **Koukousioura O.**, Psarra S., Aligizaki K., Dimiza M.D., Skampa E., Michailidis I., Nomikou P., Triantaphyllou M.V., 2021. Phytoplankton community structure changes during

- autumn and spring in response to environmental variables in Methana, Saronikos Gulf, Greece. *Environmental Science and Pollution Research*, <https://doi.org/10.1007/s11356-020-12272-z>.
- Dimiza M.D., **Koukousioura O.**, Michailidis I., Dimou V.-G., Navrozidou V., Aligizaki K., Seferlis M., 2020. Seasonal living coccolithophore distribution in the enclosed coastal environments of the Thessaloniki Bay (Thermaikos Gulf, NW Aegean Sea). *Revue de Micropaléontologie* 69, 100449.
- Koukousioura O.**, Kouli K., Vouvalidis K., Aidona E., Karadimou G., Syrides G., 2020. A multi-proxy approach for reconstructing environmental dynamics since the mid Holocene in Lake Ismarida (Thrace, N. Greece). *Revue de Micropaléontologie* 68, 100443.
- Pallikarakis A., Papanikolaou I., Reicherter K., Triantaphyllou M., Dimiza M., **Koukousioura O.**, 2019. Constraining the regional uplift rate of the Corinth Isthmus area (Greece), through biostratigraphic and tectonic data. *Zeitschrift für Geomorphologie* 62(2), 127-142.
- Koukousioura O.**, Dimiza M.D., Kyriazidou E., Triantaphyllou M.V., Syrides G., Aidona E., Vouvalidis K., Panagiotopoulos I.P., Papadopoulou L., 2019. Environmental evolution of the Paliouras coastal lagoon in the eastern Thermaikos gulf (Greece) during Holocene. *Environmental Earth Sciences*, 78(10): 313, <https://doi.org/10.1007/s12665-019-8316-y>
- Patoucheas P., **Koukousioura O.**, Psarra S., Aligizaki K., Dimiza M.D., Skampa E., Michailidis I., Nomikou P., Triantaphyllou M.V., 2019. Phytoplankton dynamics influenced by geological (submarine volcano) and anthropogenic activities in Methana, Saronikos Gulf, Greece. *Proceedings of the Seventh International Conference on Environmental Management, Engineering, Planning & Economics*, Mykonos Island, May 19-24, ISBN: 978-618-5271-73-2, 488-496.
- Papathanassiou G., Valkaniotis S., **Koukousioura O.**, Papazachos C., 2019. Towards the semi-quantitative classification of liquefaction susceptibility of the geological units. In: *Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions* (Silvestri & Moraci, Eds.), Associazione Geotecnica Italiana, Rome, Italy, ISBN 978-0-367-14328-2, 4335-4342.
- Pavlopoulos K., **Koukousioura O.**, Triantaphyllou M., Vandarakis D., Chondraki V., Marion de Procé S., Fouache E., Kapsimalis V., 2018. Geomorphological changes in the coastal area of Farasan Al-Kabir Island (Saudi Arabia) since mid Holocene based on a multi-proxy approach. *Quaternary International* 493, 198-211
- Triantaphyllou M.V., Baumann K.-H., Karatsolis B.-T., Dimiza M.D., Psarra S., Skampa E., Patoucheas P., Vollmar N.M., **Koukousioura O.**, Katsigera A., Krasakopoulou E., Nomikou P., 2018. Coccolithophore community response along a natural CO₂ gradient off Methana (SW Saronikos Gulf, Greece, NE Mediterranean). *PLoS ONE* 13(7): e0200012. <https://doi.org/10.1371/journal.pone.0200012>.
- Papathanassiou G., Valkaniotis S., **Koukousioura O.**, Papapetrou N., Marinos V., 2017. Evaluating the liquefaction hazard in Axios basin Thessaloniki, based on detailed geomorphological mapping. 9th International Conference on Geomorphology, 6-11 November 2017, New Delhi, India, Abstracts Volume, p. 301.
- Dimiza M.D., **Koukousioura O.**, Triantaphyllou M.V., Dermitzakis M.D., 2016. Live and dead benthic foraminiferal assemblages from coastal environments of the Aegean Sea (Greece): Distribution and diversity. *Revue de Micropaléontologie* 59(1), 19-32.
- Dimiza M.D., Triantaphyllou M.V., **Koukousioura O.**, Hallock P., Simbora N., Karageorgis A.P., Papathanasiou E., 2016. The Foram Stress Index: A new tool for environmental assessment of soft-bottom environments using benthic foraminifera. A case study from the Saronikos Gulf, Greece, Eastern Mediterranean. *Ecological Indicators* 60, 611-621.
- Doani S., Albanakis K., **Koukousioura O.**, Koliadimou K., 2016. Sedimentological and paleoenvironmental character of Lake Koronia sediments. *Bulletin of the Geological Society of Greece*, Proceedings of the 14th Intern. Conference, Thessaloniki, May 2016, vol. L, 295-304.
- Karadimou G., Vouvalidis K., Syrides K., **Koukousioura O.**, Aidona E., 2016. Geomorphological and paleoenvironmental changes of Ismarida Lake during Holocene (N. Greece). *Bulletin of the Geological Society of Greece*, Proceedings of the 14th Intern. Conference, Thessaloniki, May 2016, vol. L, 424-433.

- Triantaphyllou M.V., Pavlopoulos K.P., Kouli K., **Koukousioura O.**, Dimiza M.D., Aidona E., Syrides G., Pallikarakis A., Goiran J.-P., Fouache E., 2016. Multiproxy paleoenvironmental reconstruction: the Piraeus coastal plain case study. Bulletin of the Geological Society of Greece, Proceedings of the 14th Intern. Conference, Thessaloniki, May 2016, vol. L, 478-487.
- Koukousioura O.**, Triantaphyllou M.V., Dimiza M.D., Pavlopoulos K., Syrides G., Vouvalidis K., 2012. Benthic foraminiferal evidence and paleoenvironmental evolution of Holocene coastal plains in the Aegean Sea (Greece). Quaternary International 261, 105-117.
- Triantaphyllou M.V., Dimiza M.D., **Koukousioura O.**, Hallock P., 2012. Observations on the life cycle of the symbiont-bearing foraminifer *Amphistegina lobifera* LARSEN, an invasive species in coastal ecosystems of the Aegean Sea (Greece, E. Mediterranean). Journal of Foraminiferal Research 42(2), 154–161.
- Dimiza M.D., **Koukousioura O.**, Triantaphyllou M.V., 2012. Benthic foraminiferal morphological abnormalities from Holocene sediments of the Aegean Sea, Greece: palaeoenvironmental implications. Mediterranean Marine Science. 10th Symposium on Oceanography and Fishery. 2012, Proceedings, 12 pp.
- Koukousioura O.**, Dimiza M.D., Triantaphyllou M.V., Hallock P., 2011. Living benthic foraminifera as an environmental proxy in coastal ecosystems: a case study from the Aegean Sea (Greece, NE. Mediterranean). Journal of Marine Systems 88(4), 489-501.
- Triantaphyllou M.V., Kouli K., Tsourou T., **Koukousioura O.**, Pavlopoulos K., Dermitzakis M.D., 2010. Paleoenvironmental changes since 3000 BC in the coastal marsh of Vravron (Attica, SE Greece). Quaternary International 216, 14-22.
- Koukousioura O.**, Dimiza M.D., Triantaphyllou M.V., 2010. Alien foraminifera from Greek coastal areas (Aegean Sea, Eastern Mediterranean). Mediterranean Marine Science 11/1, 155-172.
- Dimiza M.D., Tsourou T., Triantaphyllou M.V., **Koukousioura O.**, Dermitzakis M.D., 2009. Nannoplankton assemblages and benthic microfauna acting as environmental health proxies in coastal ecosystems: preliminary results from Andros Island (central Aegean Sea). 9th Symposium on Oceanography and Fishery, Proceeding, vol. II, 1330-1335.
- Triantaphyllou M.V., **Koukousioura O.**, Dimiza M.D., 2009. The presence of Indo-Pacific symbiont-bearing foraminifer *Amphistegina lobifera* in Greek coastal ecosystems (Aegean Sea, Eastern Mediterranean). Mediterranean Marine Science 10/2, 73-85.
- Triantaphyllou M.V., Tsourou T., **Koukousioura O.**, Dermitzakis M.D., 2005. Comparative ecological studies of epiphytal ostracods and benthic foraminifera in the middle Aegean Sea, Greece. Revue de Micropaléontologie 48(4), 279-302.
- Triantaphyllou M.V., Tsourou T., Dermitzakis M.D., **Koukousioura O.**, 2003. Epiphytal Ostracode and Benthic Foraminiferal Assemblages: Investigating their role as environmental health proxies in the marine ecosystems of SE Andros Island (Middle Aegean Sea, Greece). Proc. 8th Inter.Conf. Envir. Sc. Tech., Lemnos Isl., Greece, A: 879-887.