

Dr Katerina Kouli

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Thematic search: Palynology - Paleobotany

Expertise: palynological analysis of marine and terrestrial deposits from Greece and the Eastern Mediterranean.

Research Interests

- **Quaternary vegetation dynamics** of Greece and NE Mediterranean/vegetation response to **climate change**
- **Cultural and natural landscapes** during the Holocene, pollen analysis of archaeological deposits, human impact on vegetation
- **Non Pollen Palynomorphs (NPPs)** as palaeoecological indices in geological time

Education:

2002: **Ph.D. in Geology**, National and Kapodistrian University of Athens.

Dissertation title: *"Palaeoenvironmental and Palaeoecological reconstruction of Dispilio Neolithic settlement, Kastoria lake, Northern Greece"*

1996-97 nine month research-stay at **Laboratory of Paleobotany and Palynology**, University of Utrecht, specializing on Late Quaternary pollen and NPP's palaeoecology, State Scholarship Foundation Grand

1994 **Degree in Geology**, National and Kapodistrian University of Athens.

Thesis title: *"Palynological observations of the Plio/Pleistocene deposits of Rhodos Island"*

1993 four months training on pollen analysis at the **Laboratoire de Paléoenvironnements et Palynologie** ISEM URA CRNS 327, Université de Montpellier II, ERASMUS grand

Scientific experience

Since August 2020: Assoc. Professor of Paleontology-Palaeobotany-Geoarchaeology, Faculty of Geology and Geoenvironment, NKUA

2016-2020: Assist. Professor of Paleontology-Palaeobotany-Geoarchaeology, Faculty of Geology and Geoenvironment, NKUA

2013-2016: Lecturer of Stratigraphy-Paleontology, Faculty of Geology and Geoenvironment, NKUA

2001-2012: research associate at the Department of Historical Geology-Paleontology, Faculty of Geology and Geoenvironment, NKUA

2004-2007: postdoctoral fellow, Department of Historical Geology-Paleontology, NKUA. Subject: Late Glacial-Holocene vegetation dynamics and climatic evolution. "Climatic cycles and volcanic activity in the SE Aegean Sea: the role of primary productivity and the response of terrestrial environments during the last 30.000 years in the area of Nisiros Island"

2004-2006: Adjunct Lecturer in the Faculty of Geology and Geoenvironment, NKUA

2001-2011: Research associate, Museum of Palaeontology and Geology, NKUA.

1994: Research associate, Ephorate of Palaeoanthropology and Speleology, General Directorate of Antiquities, Hellenic Ministry of Culture

Scholarships

1996-1999: State Scholarship Foundation Scholarship for PhD studies (four years)

2-7 1993: ERASMUS grand (four months), academic exchange, Laboratoire de Paléoenvironnements et Palynologie ISEM URA CRNS 327, Université de Montpellier II.

1992 National Scholarship Foundation excellence grant (one year) for undergraduate studies

Distinctions

Since 2017 **member of the PhD Board of Earth Sciences** (Dottorato in Scienze della Terra) La Sapienza University of Rome, Italy (<http://www.dst.uniroma1.it/en/node/7205>).

Participation in Research Projects/Scientific Expeditions

Landscapes, Land Use and Connectivity in Ancient Attica, ca. 700–100 BCE (LaConA), Swedish Research Council, PI: Dr Anton Bonnier (2022-2024)

Linking marine and terrestrial ecosystem responses to climate variability since the Last Interglacial in the Eastern Mediterranean (Exp. 381, Gulf of Corinth), Deutsche Forschungsgemeinschaft (DFG), PI: Dr Konstantinos Panagiotopoulos (2023-2024)

Quaternary Environmental Changes in the Corinth Rift Area: the IODP 381 paleovegetation record (QECCoRA), H.F.R.I, **Principal Investigator** (2020-2023)

IODP Expedition 381: Corinth Active Rift Development, member of the Onshore Science Party and initial proposal proponent (2017-2019)

Byzantine Resilience: Environmental History of the Eastern Romans (ByzRes), funded by Max Planck Society, PI: Adam Izdebski (2018-2023).

Holocene vegetation history of Messinia, Greece, funded by the University of Stockholm, **Principal Investigator** (2017-2018)

Syn-rift Systems (PETROMAKS2) funded by the Norwegian Research Council, PI: Robert Gawthorpe (2017-2019)

Changing the Face of the Mediterranean project, funded by the UK Leverhulme Trust, PIs: Professor Neil Roberts, Dr Ralph Fyfe (2016-2018).

Palynology of the oldest European lake (Lake Ohrid) within the SCOPSCO/ICDP (Scientific Collaboration On Past Speciation Conditions in Lake Ohrid) Palynological group coordinator Prof. L. Sadori, **Principal Investigator for NKUA** funded by the University of Cologne (2014-2021)

Geoarchaeological & Palaeoenvironmental research at the archaeological site of ancient Strymi, Molyvoti (Thrace) Archaeological Project, Princeton University. PIs: G. Syrides & K. Vouvalidis (2015-2017)

Vegetation history of the Rodopi Mountain Range National Park (RMRNP). KartECO-EPERRAA (2013-2015) **Principal Investigator** (2014-2015).

Natural history collections of Megalopolis (Region of Peloponnese), PI: G. Theodorou (2011-2014)

Climatic cycles and volcanic activity in the SE Aegean Sea: the role of primary productivity and the response of terrestrial environments during the last 30.000 years in the area of Nisiros Island (Pythagoras I (EPEAEK II)), PI: M.D. Dermitzakis (2004-2007)

FAITH, First Aid for Wetland Cultural Heritage Finds: Tradition and Innovation (Culture 2000), Coordinator: G. Panagiariis, (2005)

Prominent Research

The scientific conclusions of SCOPSCO/ICDP (Scientific Collaboration On Past Speciation Conditions in Lake Ohrid) Quaternary record were presented in international conferences, published in top-tier journals such as Nature (**) and PNAS (*), and attracted the attention of the media (several newspaper articles, science blogs, documentaries) and the scientific community. The findings were included in the [sixth Assessment Report AR6 Climate Change 2021-17](#) of the UN Working Group I of the [Intergovernmental Panel on Climate Change \(IPCC\)](#) that provides the physical science basis for policy makers.

The work “*Landscape change and trade in Ancient Greece: Evidence from pollen data*” (in collaboration with A. Bonnier, T. Słoczyński, G. Koloch and A. Izdebski) was presented in [Wall Street Journal’s Newsletter for the Economy](#), column Real Time Economics (30/7/2018, <https://goo.gl/Yb8SwK>)

The Expedition IODP 381: Corinth Active Rift Development” received significant publicity, especially during the offshore phase (October–December 2017), in International and Greek mass media. In particular, I was interviewed by the Swiss Journal *Neue Zürcher Zeitung* (S. Titz, 19.10.2017) and described the motivation and scope of my participation as an expert in micropaleontology-palynology in the relevant expedition (<https://goo.gl/o5LfQJ>). In the [Greek mass media](#) the names all four Greek scientists, including myself, were mentioned, while presenting the sampling campaign in the gulf of Corinth (<https://goo.gl/wm5AV6>, <https://goo.gl/uaNrvM>, <https://goo.gl/vNwruX>, <https://goo.gl/9Buhq3>

Teaching activities

My teaching record includes the subjects of palaeobotany, palynology, geoarchaeology and terrestrial ecosystems to undergraduate and postgraduate students of the Departments of Geology and Geoenvironment and Biology of the National and Kapodistrian University of Athens

International Conference/Workshops organization:

- *XXI Congress of the International Union for Quaternary Research (INQUA) "Time for Change", Rome 13 – 20 July 2023, Italy*, Scientific Committee
- *14th Conference of Environmental Archaeology "Humans and environmental sustainability: Lessons from the past ecosystems of Europe and Northern Africa", Modena 26-28 February 2018, Italy*, Scientific Committee
- *MEDPALYNO 2017, Mediterranean Palynology Symposium 2017, Barcelona 4-6 September 2017, Spain*, Scientific Committee
- *16th International Nannoplankton Association Meeting (INA16), Athens 24-28 September 2017, Greece*, Organizing Committee
- *International conference on 'Human-environment dynamics in the Peloponnese and beyond: Ideas – Methods – Results.'* Athens 6-8 April 2017, Organising Committee
- *MedPalyno GPSBI-APLE Symposium, Rome 8-10 September 2015, Italy*, workshop: *Archaeopalynology and and archaeobotany of Holocene records*, Convener (with Dr Assunta Florenzano)
- *11th International Conference of the Geological Society of Greece: "Geoenvironment: past, present, future"*, Athens 24-26 May 2007, Greece, Organizing Committee
- *6th European Conference in Paleobotany - Palynology, Athens 29 August - 2 September 2002, Greece*, Organizing Committee.

Reviewer in International Journals

Climate of the Past (*European Geosciences Union*), Journal of Paleolimnology (*Springer*), Quaternary International, Quaternary Research, Quaternary Science Reviews, Journal of Archaeological Science: Reports (*Elsevier*), Plant Biosystems (*Taylor and Francis*), The Holocene (*SAGE journals*)

Publication record

I am the author/coauthor of more than 100 scientific publication, 57 of them in peer-reviewed journals that have received 1500 citations (excluding self-citations), H-index: 27 (Scopus, December 2023).

My published work includes a monography entitled "Palaeoenvironmental and Palaeoecological reconstruction of the area of the Dispilio Neolithic settlement, Kastoria lake, Northern Greece" [Kouli K. 2007. *Gaia* 17, 149 pp, Athens] and four participations in edited archaeological volumes.

Selected Publications (peer-reviewed)

- Kafetzidou A, Fatourou E, Panagiotopoulos K, Marret F, **Kouli K** (2023) **Vegetation composition in a typical Mediterranean setting (Gulf of Corinth, Greece) during successive Quaternary climatic cycles.** *Quaternary* 6(2):30
- Fatourou E, Kafetzidou A, Marret F, Panagiotopoulos K, **Kouli K** (2023) **Late Quaternary Ponto-Caspian dinoflagellate cyst assemblages from the Gulf of Corinth, Central Greece (eastern Mediterranean Sea).** *Marine Micropaleontology* 179:102211
- Masci L, Vignola C, Liakopoulos GC, **Kouli K**, Koukousioura O, Aidona E, Moros M, Vouvalidis K, Izdebski A, Masi A (2022) **Landscape Response to Dynamic Human Pressure in the Paliouras Lagoon, Halkidiki Peninsula, Macedonia, Greece.** *Quaternary* 5(4):54.
- Wagner B, Tauber P, Francke A, Leicher N, Binnie Sa, Cvetkoska A, Jovanovska E, Just J, Lacey Jh, Levkov Z, Lindhorst K, **Kouli K**, Krastel S, Panagiotopoulos K, Ulfers A, Zaova D, Donders Th, Grazhdani A, Koutsodendris A, Leng Mj, Sadori L, Scheinert M, Vogel H, Wonik T, Zanchetta G, Wilke T (2022) **The geodynamic and limnological evolution of Balkan Lake Ohrid, possibly the oldest extant lake in Europe.** *Boreas* 52:1-26
- Vingola C, Hättestrand M, Bonnier A, Finné M, Izdebski A, Katrantsiotis C, **Kouli K**, Liakopoulos G, Norström E, Papadaki M, Strandberg NA, Weiberg E, Masi A (2022) **Mid-late Holocene vegetation history of the**

- Argive Plain (Peloponnese, Greece) as inferred from a pollen record from ancient Lake Lerna.** PLOS ONE 17(7): e0271548
- Emmanouilidis A, Panagiotopoulos K, **Kouli K**, Avramidis P (2022) **Late Holocene paleoenvironmental and land-use changes in Western Greece based on a sediment record from Klisova lagoon.** The Holocene 32:485–500
- Izdebski A, Guzowski P, Poniat R, Masci L, Palli J, Vignola C, Bauch M, Coccozza C, Fernandes R, Ljungqvist F, Newfield T, Seim A, Abel-Schaad D, Alba-Sánchez F, Björkman L, Brauer A, Brown A, Czerwiński S, Ejarque A, Fiłoc M, Florenzano A, Fredh E, Fyfe R, Jasiunas N, Kołaczek P, **Kouli K**, Kozáková R, Kupryjanowicz M, Lagerås P, Lamentowicz M, Lindbladh M, López-Sáez JA, Luelmo-Lautenschlaeger R, Marcisz K, Mazier F, Mensing S, Mercuri AM, Milecka K, Miras Y, Noryśkiewicz A, Novenko E, Obremaska M, Panagiotidis S, Papadopoulou M, Pędziszewska A, Pérez-Díaz S, Piovesan G, Pluskowski A, Pokorný P, Poska A, Reitalu T, Rösch M, Sadori L, Sá Ferreira C, Sebag D, Słowiński M, Stančikaitė M, Stivrins N, Tunno I, Veski S, Wacnik A, Masi A (2022) **Big Data Palaeoecology reveals significant variation in Black Death mortality in Europe.** Nature Ecology and Evolution 6(3):297-306
- Kafetzidou A, **Kouli K**, Zidianakis G, Kostopoulos DS, Zouros N (2022) **The early Miocene angiosperm flora of Akrocheiras in Lesvos Petrified Forest (North Aegean, Greece)-Preliminary results.** Review of Palaeobotany and Palynology 296:104559
- Cullen TM, Collier REL, Hodgson DM, Gawthorpe RL, Kouli K, Maffione M, Kranis H, Eliassen GT (2021) **Deep-Water Syn-rift Stratigraphy as Archives of Early-Mid Pleistocene Palaeoenvironmental Signals and Controls on Sediment Delivery.** Frontiers in Earth Science 9:715304
- *Donders TH, Panagiotopoulos K, Koutsodendris A Bertini A, Mercuri AM, Masi A, Combourieu-Nebout N, Joannin S, **Kouli K**, Kousis I, Peyron O, Sinopoli G, Torri P, Florenzano A, Francke A., Wagner B, Sadori L (2021) **1.36 million years of Mediterranean forest refugium dynamics in response to glacial-interglacial cycle strength.** PNAS (Proceedings of the National Academy of Sciences USA) 118(34):e2026111118
- Kouli K**, Triantaphyllou MV, Koukousioura O, Dimiza MD, Parinos C, Panagiotopoulos IP, Tsourou T, Gogou A, Mavrommatis N, Syrides G, Kyrikou S, Skampa E, Skylaki E, Anagnostou C, Karageorgis A (2021) **Late Glacial Marine Transgression and Ecosystem Response in the Landlocked Elefsis Bay (Northern Saronikos Gulf, Greece).** Water 13:1505
- Norström E, West J, **Kouli K**, Katrantsiotis C, Hättestrand M, Smittenberg RH (2021) **Evaluation of anhydrosugars as a molecular proxy for paleofire activity: A case study on a Holocene sediment core from Agios Floros, Peloponnese, Greece).** Organic Geochemistry 153:104193
- Kouli K** (2020) **Tracing human impact on a mountainous plant landscape in Rhodopi Mt (N. Greece) during the last 1100 years.** Revue de Micropaleontologie 68:100442
- Izdebski A, Słoczyński T, Bonnier A, Koloch G, **Kouli K** (2020) **Landscape change and trade in Ancient Greece: Evidence from pollen data.** The Economic Journal 130 (632):2596–2618
- Kyrikou S, **Kouli K**, Triantaphyllou MV, Dimiza MD, Gogou A, Panagiotopoulos IP, Anagnostou C, Karageorgis AP (2020) **Late Glacial and Holocene vegetation patterns of Attica: A high-resolution record from Elefsis Bay, southern Greece.** Quaternary International 545:28–37
- Panagiotopoulos K, Holtvoeth J, **Kouli K**, Marinova E, Francke A, Cvetkoska A, Jovanovska E, Lacey J, Lyons ET, Buckel C, Bertini A, Donders T, Just J, Leicher N, Leng M, Melles M, Pancost R, Sadori L, Tauber P, Vogel H, Wagner B, Wilke T (2020) **Insights into the evolution of the young Lake Ohrid ecosystem and vegetation succession from a southern European refugium during the Early Pleistocene.** Quaternary Science Reviews 227: 106044
- **Wagner B, Vogel H, Francke A, Friedrich T, Donders TH, Lacey JH, Leng MJ, Regattieri E, Sadori L, Wilke T, Zanchetta G, Albrecht C, Bertini A, Combourieu-Nebout N, Cvetkoska A, Giaccio B, Grazhdani A, Hauffe T, Holtvoeth J, Joannin S, Jovanovska E, Just J, **Kouli K**, Kousis I, Koutsodendris A, Krastel S, Lagos M, Leicher N, Levkov Z, Lindhorst K, Masi A, Melles M, Mercuri AM, Nomade S, Nowaczyk N, Panagiotopoulos K, Peyron O, Reed JM, Sagnotti L, Sinopoli G, Stelbrink B, Sulpizio R, Timmermann A, Tofilovska S, Torri P, Wagner-Cremer F, Wonik T, Zhang XS (2019) **Mediterranean winter rainfall in phase with African monsoon during past 1.36 million years.** Nature 573:256-260
- McNeill LC, Shillington DJ, Carter GDO, Everest J, Gawthorpe R, Miller C, Phillips M, Collier R, Cvetkoska A, De Gelder G, Diz Ferreiro P, Doan M-L, Ford M, Geraga M, Gillespie J, Hemelsdael R, Herrero-Bervera E, Ismaiel M, Janikian L, **Kouli K**, Le Ber E, Li S, Maffione M, Mahoney C, Machlus ML, Michas G, Nixon C, Oflaz SA, Omale AP, Panagiotopoulos K, Pechlivanidou S, Sauer S, Seguin J, Sergiou S, Zhakarova N,

- Green S (2019) **High-resolution record reveals climate-driven environmental and sedimentary changes in an active rift**. *Scientific Reports* 9: 3116.
- Mercuri A.M., Florenzano A., Burjachs F., Giardini M., **Kouli K.**, Masi A., Picornell-Gelabert L., Revelles J., Servera-Vives G., Torri P., Fyfe R.M. (2019) **From influence to impact: the multifunctional land-use in Mediterranean prehistory emerging from palynology of archaeological sites (8.0-2.8 ka BP)**. *The Holocene* 29:830-846
- Weiberg E., Bevan A., **Kouli K.**, Katsianis M., Woodbridge J., Bonnier A., Engel M., Finné M., Fyfe R., Maniatis Y., Palmisano A., Panajiotidis S., Roberts N., Shennan S. (2019) **Long-term trends of land use and demography in Greece: a comparative study**. *The Holocene* 29:742-760
- Norström E., Katrantsiotis C., Smittenberg R.H., **Kouli K.** (2017) **Chemotaxonomy in some Mediterranean plants and implications for fossil biomarker records**. *Geochimica et Cosmochimica Acta* 219:96-110
- Wagner B., Wilke T., Francke A., Albrecht C., Baumgarten H., Bertini A., Combourieu-Nebout N., Cvetkoska A., D'Addabbo M., Donders T.H., Föllner K., Giaccio B., Grazhdani A., Hauffe T., Holtvoeth J., Joannin S., Jovanovska E., Just J., **Kouli K.**, Koutsodendris A., Krastel S., Lacey J.H., Leicher N., Leng M.J., Levkov Z., Lindhorst K., Masi A., Mercuri A.M., Nomade S., Nowaczyk N., Panagiotopoulos K., Peyron O., Reed J.M., Regattieri E., Sadori L., Sagnotti L., Stelbrink B., Sulpizio R., Tofilovska S., Torri P., Vogel H., Wagner T., Wagner-Cremer F., Wolff G.A., Wonik T., Zanchetta G., Zhang X.S. (2017) **The environmental and evolutionary history of Lake Ohrid (FYROM/Albania): Interim results from the SCOPSCO deep drilling project**. *Biogeosciences* 14:2033-2054
- Peyron O., Combourieu-Nebout N., Brayshaw D., Goring, S., Andrieu-Ponel V., Desprat S., Fletcher W., Gambin B., Ioakim C., Joannin S., Kotthoff U., **Kouli K.**, Montade V., Pross J., Sadori L., Magny, M. (2017) **Precipitation changes in the Mediterranean basin during the Holocene from terrestrial and marine pollen records: a model–data comparison**. *Climate of the Past* 13: 249–265
- Weiberg E., Unkel I., **Kouli K.**, Holmgren K., Avramidis P., Bonnier A., Dibble F., Finné M., Izdebski A., Katrantsiotis C., Stocker S.R., Andwing M., Baika K., Boyd M., Heymann C. 2016. **The socio-environmental history of the Peloponnese during the Holocene: Towards an integrated understanding of the past**. *Quaternary Science Reviews* 136, 40-65.
- Gogou A., Triantaphyllou M., Xoplaki E., Izdebski A., Parinos C., Dimiza M., Bouloubassi I., Luterbacher J., **Kouli K.**, Martrat B., Toreti A., Fleitmann D., Rousakis G., Kaberi H., Athanasiou M., Lykousis V. 2016. **Climate variability and socio-environmental changes in the northern Aegean (NE Mediterranean) during the last 1500 years**. *Quaternary Science Reviews* 136, 209-228.
- Sadori L., Koutsodendris A., Masi A., Bertini A., Combourieu-Nebout N., Francke A., **Kouli K.**, Joannin S., Mercuri A.M., Panagiotopoulos K., Peyron O., Torri P., Wagner B., Zanchetta G., Donders T. 2016. **Pollen-based paleoenvironmental and paleoclimatic change at Lake Ohrid (SE Europe) during the past 500 ka**. *Biogeosciences* 13, 1423-1437
- Kouli K.** 2015. **Plant landscape and land use at the Neolithic Lake settlement of Dispilió (Macedonia, Northern Greece)**. *Plant Biosystems* 149, 145-204.
- Triantaphyllou M.V., Gogou A., Dimiza M., **Kouli K.**, Bouloubassi I., Papanikolaou M., Kotthoff U., Emeis K.-C., Roussakis G., Athanasiou M., Parinos K., Katsouras G., Ioakim C., Lykousis V. 2014. **Evidence for warm and humid Mid-Holocene in the Aegean and northern Levantine Seas**. *Regional Environmental Change* 14, 1697-1712
- Peyron, O., Magny, M., Goring, S., Joannin, S., de Beaulieu, J.-L., Brugiapaglia, E., Sadori L., Garfi, G., **Kouli, K.**, Ioakim, C., Combourieu-Nebout, N. 2013. **Contrasting patterns of climatic changes during the Holocene in the central Mediterranean (Italy) reconstructed from pollen data**. *Climate of the Past* 9, 1233–1252
- Kouli K.**, Gogou A., Bouloubassi I., Triantaphyllou M.V., Ioakim Chr., Katsouras G., Roussakis G., Lykousis V. 2012. **Late postglacial paleoenvironmental change in the northeastern Mediterranean region: Combined palynological and molecular biomarker evidence**. *Quaternary International* 261, 118-127.
- Kouli K.** 2012. **Vegetation development and human activities in Attiki (SE Greece) during the last 5000 years**. *Vegetation History and Archaeobotany* 21, 267-278.

- Karkanias P., Pavlopoulos K., **Kouli K.**, Ntinou M., Tsartsidou G., Facorellis Y., Tsourou T. (2011) **Paleoenvironment and site formation processes of the Neolithic lakeside site of Dispilio, Kastoria, northern Greece.** *Geoarchaeology* 26: 83-117
- 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 (Attiki, SE Greece).** *Quaternary International* 216, 14-22.
- Kouli K.**, Triantaphyllou M.V., Pavlopoulos K., Tsourou T., Karkanias P., Dermitzakis M.D. 2009. **Palynological investigation of the Holocene palaeoenvironmental changes in the coastal plain of Marathon (Attica, Greece).** *Geobios* 42, 43-51.
- Triantaphyllou M.V., Antonarakou A., **Kouli K.**, Dimiza M., Kontakiotis G., Papanikolaou M., Ziveri P., Mortyn G., Lianou V., Lykousis V., Dermitzakis M.D. 2009. **Comparing Late Glacial - Holocene Plankton ecozones and Pollen Assemblage Zones: Basis for a multi-proxy ecostratigraphy in the south - eastern Aegean Sea (E. Mediterranean).** *Geo-Marine Letters* 29, 249-267.
- Triantaphyllou M.V., Ziveri P., Gogou S., Marino G., Lykousis V., Bouloubassi I., Emeis K.C., **Kouli K.**, Dimiza M., Rosell-Mele A., Papanikolaou M., Katsouras G., Nunez N. 2009. **Late Glacial-Holocene climate variability at the south-eastern margin of the Aegean Sea.** *Marine Geology* 266, 182-197.
- Joannin S., Cornée J.-J., Moissette P., Suc J.-P., Koskeridou E., Lécuyer C., Buisine C., **Kouli K.**, Ferry S. 2007. **Changes in vegetation and marine environments in the eastern Mediterranean (Rhodes Island, Greece) during the Early and Middle Pleistocene.** *Journal of the Geological Society* 164, 1119-1131.
- Kouli K.**, Brinkhuis H., Dale B. 2001. ***Spiniferites cruciformis*: a freshwater dinoflagellate cyst?** *Review of Palaeobotany and Palynology* 11, 273-286.