

**PANAGIOTIS (TAKIS) KARKANAS**  
**CURRICULUM VITAE**  
**2020**

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**EDUCATIONAL BACKGROUND**

1994: Ph.D. in Geology (Specialty: mineralogy, petrology, geochemistry), Department of Geology, University of Athens.

1986: B.Sc. in Geology, Department of Geology, University of Athens.

**OTHER TRAINING AND PROFESSIONAL/LABORATORY RESEARCH EXPERIENCE**

1990: Postgraduate Seminar (300 hours) in *Geology of sedimentary basin and energy resources*. EU funded Research Seminar for Geologists, Department of Geology, University of Athens.

1995-2003 (approx. one month per year): Visiting research scientist, Kimmel Center for Archaeological Sciences, Weizmann Institute of Science, Israel.

1996-1998: Adjunct research scientist, Institute of Minerals and Mining Exploration (IGME), Athens, Greece.

1993-1997: Adjunct research scientist, Department of Geology, University of Athens, Greece.

**AREAS OF INTEREST**

Geoarchaeology: site formation processes (stratigraphy, micromorphology, post-depositional chemical alterations) palaeoenvironmental reconstructions, paleoclimate, methods and techniques (dating, petrography, mineralogy, sedimentary analysis, provenance analysis).

**PROFESSIONAL APPOINTMENTS**

2014-: Director, Malcolm H. Wiener Laboratory of Archaeological Science, American School of Classical Studies at Athens, Greece.

1994-2014: Senior Geologist, Ephoreia of Palaeoanthropology-Speleology (EPS), Ministry of Culture, Greece.

2004-2013: Adjunct Lecturer, Department of Geography, Harokopio University of Athens.

**HONORS/AWARDS/ FELLOWSHIPS**

2018: International Member of the U.S. National Academy of Sciences

2017: Foreign Honorary Member of the American Academy of Arts & Sciences.

2017: Rip Rapp Archaeological Geology Award, Geological Society of America.

2016-: Research Affiliate, Institute of Human Origin, Arizona State University.

2010: Paper (Karkanas P. 2007) listed in the 25 most important and influential papers that have been published in the journal '*Geoarchaeology*'.

2004-2005: Geoarchaeology Fellow at Wiener Laboratory, American School of Classical Studies at Athens.

1998-1999: Geoarchaeology Fellow at Wiener Laboratory, American School of Classical Studies at Athens.  
1996-1997: Research Associate at Wiener Laboratory, American School of Classical Studies at Athens.  
1988-1991: Scholarship from the State Scholarship Foundation (PhD Thesis).

### **TEACHING EXPERIENCE**

2004-2013: Department of Geography, Harokopio University of Athens; Course: *Geoarchaeology*.  
2005: Department of History and Archaeology, University of Thessaloniki. Post-graduate seminar course (3 hours): *Archaeological sediments*.  
1989-1991: Assistantship in the courses of *Crystallography* and *Mineral Microscopy*: Section of Mineralogy and Petrology, Dept. Geology, University of Athens, Greece.

### **SUPERVISION**

Vaggelis Turloukis (PhD received from University of Leiden).  
Myrsini Gouma (PhD received, Vrije Universiteit, Amsterdam).  
Nafsika-Chrysoula Andriopoulou (PhD current, Technical University of Crete).  
Dimitris Roussos (PhD current, University of Athens)  
Lucial Leierer (MSc received from University of Tübingen).

### **SERVICE / ADMINISTRATION**

2016-: Scientific Advisory Committee, Max Planck-Harvard Research Center for the Archaeoscience of the Ancient Mediterranean.  
2014-: Pomerance Science Medal Committee.  
2012-2014: Committee of Mousiographic Design of Petralona Cave Museum.  
2012-2013: Committee of Mousiographical Study of Petralona Cave Museum.  
2012-2013: Committee of Touristic Development of Franchthi Cave.  
1996-1997: Committee of Touristic Development of Drakos Cave, Kastoria.  
1996-1998: Committee of Touristic Development of Maara Cave, Drama.  
1996: Committee of Touristic Development of Pramanta Cave, Ioannina.

### **EXTERNAL REVIEW COMMITTEE**

2014: Geoarchaeology Section, Institute for Archaeological Science, University of Tübingen

### **EDITORIAL BOARDS**

2007-: *Geoarchaeology* (Associate Editor)  
2012-2014: *Journal of Human Evolution* (Associate Editor)  
2016: *The Encyclopedia of Geoarchaeology*, Earth Science Encyclopedia series, Springer

### **EXTERNAL PhD REVIEWER**

Mike Morley (PhD received from University of Manchester)  
Justin Stratford (PhD received from University of the Witwatersrand)  
Frank Carpienter (PhD received from KU Leuven).  
Irene Esteban (PhD received from University of Barcelona)  
Daniel Fallu (PhD received from University of Boston)  
Rachel Kulick (PhD received from University of Toronto)  
Petros Chatzimbaloglou (PhD received from University of Cambridge)  
Justin Holcomb (PhD received from University of Boston)

## JOURNAL REFEREE

*Geoarchaeology; Journal of Archaeological Science; Journal of Archaeological Science, Reports; Journal of Human Evolution; Chemical Geology; Quaternary International; Journal of Quaternary Science; Journal of Archaeological Method and Theory; Science; Southern African Humanities; Archaeological and Anthropological Sciences, Radiocarbon, European Journal of Archaeology, Journal of Field Archaeology, Palaeogeography, Palaeoclimatology, Palaeocology.*

## GRANT REFEREE

*National Science Foundation (USA); Israel Science Foundation; Leaky Foundation; Netherlands Organisation for Scientific Research (NWO).*

## PROFESSIONAL MEMBERSHIPS

- Mineralogical Society (U.K.)
- Geological Society of Greece
- Greek Geotechnical Chamber

## MAJOR FUNDED PROJECTS

- 2018-2022: The Megalopolis Palaeoenvironmental Project (MegaPal). ASCSA project. Directors: P. Karkanis, K. Harvati, and E. Panagopoulou (funded by CROSSROADS, see below)
- 2017-2021: European Research Council: Human evolution at the crossroads (CROSSROADS). PI: K. Harvati, University of Tübingen, Germany (Co-Investigator).
- 2013-2016: The Swedish Research Council: Late Quaternary climate variability and vegetation dynamics in southern Greece. PI: K. Holmgren, Stockholms Universitet, Institutionen för Naturgeografi och Kvartärgeologi (Co-Investigator).
- 2011-2016: European Research Council: Palaeoanthropology at the Gates of Europe (PAGE). PI: K. Harvati, University of Tübingen, Germany (Co-Investigator).
- 2011-2015: National Science Foundation, USA: IPG - Developing and Testing an Integrated Paleoscape Model for the early Middle and Late Pleistocene of the South Coast of South Africa. PI: C. Marean, Arizona State University, USA (Co-Investigator).
- 2011-2013: National Endowment for the Humanities, Collaborative Research: The Diros Project, 2011-2013: Greek-American Collaborative Multi-Disciplinary Research on the Mani Peninsula, Southern Greece. PI: W. Parkinson (Co-Investigator).
- 2012-2013: National Geographic Society: The Diros Project 2012. Greek-American Collaborative Research in Southern Greece. PI: W. Parkinson (Co-Investigator).
- 2012: INSTAP: The Diros Project 2012: Greek-American Collaborative Multidisciplinary Research on the Mani Peninsula, Southern Greece. PI: W. Parkinson, M. Galaty, A. Papathanasiou, and G. Papathanassopoulos (Co-Investigator).
- 2010-2012: National Science Foundation, USA IRES: U.S.-Hungarian-Greek Collaborative International Research Experience for Students on Origins and Development of Prehistoric Europe. PI: W. Parkinson; Co-PI: Richard Yerkes; Organization: Field Museum of Natural History, USA. (Co-Investigator).
- 2011- 2012: INSTAP: The Diros Project 2011: Greek-American Collaborative Multidisciplinary Research on the Mani Peninsula, Southern Greece. PI: W. Parkinson, M. Galaty, A. Papathanasiou and G. Papathanassopoulos (Co-Investigator).

- 2009-2014: National Science Foundation, USA: Wetland and transition to agriculture in Europe: The Southern Albania Neolithic Archaeological Project; PI: S. Allen, University of Cincinnati (Co-Investigator).
- 2009-2011: National Science Foundation, USA IRES: Early Village Social Dynamics: Prehistoric Settlement Nucleation on the Great Hungarian Plain; PI: W. Parkinson; Co-PI: R. Yerkes; Organization: Field Museum of Natural History, USA (Co-Investigator).
- 2006-2011: National Science Foundation, USA: Paleoclimatic and paleoenvironmental context of the origins of modern humans in South Africa: Constructing a detailed record from 400-30 ka and correlation to the ice core and deep-sea sequence. PI: C. Marean, Arizona State University, USA (Co-Investigator).
- 2005-2006: LSB Leakey Foundation: Late Pleistocene of the Mani Peninsula, Southern Greece: Palaeoanthropological investigations. PI: E. Panagopoulou, Ephoreia of Palaeoanthropology-Speleology, Greece (Co-Investigator).
- 2005: National Geographic Society: From Neanderthals to modern humans at the Sopena rock-shelter (Asturias, Northern Spain). PI: A. C. Pinto Llona, Arizona State University, USA. (Co-Investigator).
- 2005: National Geographic Society: The Paleoenvironment and Prehistoric Use of Panxian Dadong Cave, Guizhou, China. PI: L. Schepartz (Dept. Anthropology, Univ. Cincinnati (Co-Investigator).
- 2004-2005: Wenner-Gren Foundation: Late Pleistocene of the Mani Peninsula, Southern Greece: Palaeoanthropological investigations. PI: E. Panagopoulou, Ephoreia of Palaeoanthropology-Speleology, Greece (Co-Investigator).

### **MAJOR AREAS OF INTERNATIONAL FIELD WORK**

South Africa (2003–); Hungary (2013–2014); Albania (2010–2012); Cyprus (2009–); Israel (2003, 2005–2007); China (2000, 2004); Spain (2005); France (1998, 2000).

### **FIELD/RESEARCH EXPERIENCE**

- 2019-Amarnthos, Euboia (Geometric-Roman). Project Director K. Reber (Swiss Archaeological School in Greece).
- 2019-: Ierapetra Basin, Crete (Minoan) in collaboration with M. Gkouma. Project Directors: T. Brogan (INSTAP) and J. Papadatos (Univ. Athens).
- 2018-: Chryssi Island, Crete (Minoan). Project Director: T. Brogan (INSTAP).
- 2017-: Athenian Agora (Archaic- Roman). Project Director: J. Camp II (American School of Classical Studies).
- 2017-: Prosilio, Orchomenos (Bronze Age). Project Directors Yannis Galanakis (Cambridge Univ.) and A. Charami (Ephorate of Antiquities of Boeotia).
- 2017-: Palaipaphos, Cyprus (Classical) in collaboration with M. Gkouma. Project Director: M. Iacovou (Univ. Cyprus).
- 2015-2016: Molivoti, Thrace Archaeological Project (Classical-Hellenistic). Project Director: N. Arrington (Princeton University).
- 2015-: Palace of Nestor, Pylos (Bronze Age). Project Directors: S. Stocker and J. Davies (University of Cincinnati).
- 2015-: Tombs of Aidonia Preservation, Heritage and exploration (Bronze Age). Project Director: Kim Shelton (Berkeley University).
- 2009, 2015-: The Archaic Sanctuary of Artemis Elaphibolos and Apollon of Yampolis, Kalapodi, Lamia. Project Director W.D. Niemeir and Katjia Spörn (German Archaeological Institute).

- 2013-2014: Körös Regional Archaeological Project, Hungary (Neolithic). Project Directors: W. Parkinson (The Field Museum, Chicago, USA), and A. Gyucha (Field Service of Cultural Heritage, Hungary).
- 2014-2016: Pelekita Cave, Crete (Neolithic-Bronze Age). Project Directors A. Kanta (CSCMC) and S. Ferrecne (INSTAP).
- 2013–: Stelida, Naxos Island (Palaeolithic). Project Director: T. Carter (McMaster University).
- 2013–: Delta Falirou cemetery (Archaic and Classical). Project Director: S. Chrisoulaki (ST EPKA, Greece).
- 2013-2017: PAGE (Palaeoanthropology at the Gates of Europe), ERC project. Project Director K. Harvati (Universtiy of Tübingen).
- 2013–: Agios Vasileios palace and cemetery, Sparta, Lakonia (Bronze Age): Project directors: A. Vassilogamrou (Director Emerita of Antiquities, Greece), Sofia Voutsaki (Groningen Institute of Archaeology).
- 2013: Katharo basin (Crete). Project Director E. Panagopoulou (EPS) in collaboration with K. Harvati (Universtiy of Tübingen).
- 2012-2013: Mavri Spilia, Kardamyli, Peloponnese (Palaeolithic). Project Director E. Panagopoulou (EPS) in collaboration with K. Harvati (Universtiy of Tübingen).
- 2012–: Marathousa site 1, Megalopolis basin, Peloponnese (Lower Palaeolithic). Project Director E. Panagopoulou (EPS) in collaboration with K. Harvati (Universtiy of Tübingen).
- 2011-2015: Kokkinopilos (Palaeolithic) in collaboration with V. Turloukis, Leiden University.
- 2010-2012: The Southern Albania Neolithic Archeological Project. Project Director: S. Allen (University of Cincinnati).
- 2010–: Koutroulou (Neolithic). Project Directors: N. Kyparissi-Apostolika (EPS) and Y. Hamilakis (Univ. Southampton, UK).
- 2010-2015: Alepotrypa Cave, Diros, Peloponnese (Neolithic). Collaboration between EPS and G. Papathanassopoulos.
- 2010-2017. Melitzia Cave, Peloponnese (Palaeolithic). Project Director A. Darlas (EPS).
- 2010-2016: Ouriakos, Lemnos Island (Epipalaeolithic). Project Director N. Efstratiou (University ofThessaloniki, Greece).
- 2009-2015: Early Neolithic Roudias site, Xeros Rema, Pafos, Cyprus. Project Director N. Efstratiou (University ofThessaloniki, Greece).
- 2009-2013: Plakias Survey, Crete (Mesolithic, Palaeolithic). Collaboration between EPS (E. Panagopoulou) and ASCSA (Th. Strasser).
- 2009: Geo-ethno-archaeology of tell formation processes: an interdisciplinary study of decayed mud brick structure. Project Director R. Shahack-Gross (Kimmer Center for Archaeological Science, Israel).
- 2008: Tombs of the cemetery of Kenchreai (Roman). Project Director J. Rife (Macalester College).
- 2007: Schisto Cave sediments (Mesolithic). Project Directors, L. Kormazopoulou and F. Mavridis (EPS).
- 2007-2012: Mycenae archaeological deposits (Bronze Age). Project Director: Chr. Maggidis (Dickinson College and Athens Archaeological Society).
- 2005-2007: Leontari Cave (Neolithic). Project Director, L. Kormazopoulou in collaboration with prof. L. Karali, Dept. Archaeology, Univ. Athens.
- 2005-2007: Qesem Cave (Lower Palaeolithic), Israel. Project director A. Gopher, (Tel-Aviv University, Israel).

- 2005: Sopena Cave (Palaeolithic), Asturias, Spain. Project Director: A.C. Pinto Lloná (Arizona State University).
- 2004-2012: Mitrou islet (Bronze Age), Greece. Project Directors: A. Van de Moortel (University of Tennessee, USA) and E. Zahou (ID EPKA, Greece).
- 2004-2012: Palamari, Skyros Island, Greece. Project Director L. Parlama.
- 2004-2008: Aliakmon Survey, N. Macedonia (Lower Palaeolithic). Collaboration between EPS (E. Panagopoulou) and ASCSA (K. Harvati).
- 2004-2006: Bronze Age kiln at Kolona, Aigina, Greece. Project Director G. Walter (Austrian Archaeological School).
- 2004: Geraki Acropolis, Lakonia, Greece. Project Director J. Crouwel (Dutch Archaeological School).
- 2002-2011: Mycenaean Tombs, Nemea, Greece (Bronze Age). Project Director J. Wright (Bryn Mawr College) and R. A. K. Smith (Brock University, Canada).
- 2004-2008: Geoarchaeology of Palaeolithic sites at Grevena uplands. Project Director N. Efstratiou (University of Thessaloniki, Greece).
- 2003–: Mossel Bay Archaeological Project, South Africa. Project Director C. Marean (Arizona State University).
- 2000-2014: Kleisoura Cave, Peloponnese (Paleolithic, Mesolithic). Project Director M. Koumouzele (EPS).
- 2000-2007: Dadong Cave (Palaeolithic), Guizhou, China. Project directors L. Schepartz (Univ. Cincinnati, USA), S. Miller-Antonio (California State University, Stanislaus) and W. Huang (Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, China).
- 2001-2003: Gerontomouri Cave (Minoan), Crete, Greece. Project Directors P.P. Betancourt (Temple University) and C. Davaras (University of Athens, Greece).
- 2001-2002: Palaeoenvironmental reconstruction of the Marathon Plain. In collaboration with K. Pavlopoulos (Harokopio University, Athens, Greece).
- 1999-2007: Neolithic site of Makri, Thrace, Greece. Project Director N. Efstratiou (University of Thessaloniki, Greece).
- 1999-2002: Chert provenance analysis for the identification of raw material sources in the Palaeolithic of Greece. In collaboration with Dr. J. Anousis (Nat. Center Sci. Res. «Demokritos»), Dr. E. Panagopoulou (EPS) and Dr. E. Adam (IB' EPKA).
- 1999-2001: Cave of Leivithrithon, Elikon Mountain, Greece (Neolithic, Classical). Project Director, Vivi Vasilopoulou (EPS).
- 1998-2000: Grotte XVI (Palaeolithic), Dordogne, France. In collaboration with S. Weiner (Weizmann Inst. Science, Israel). Project director J.-P. Rigaud (Inst. Quaternaire, Univ. Bordeaux I, France).
- 1998-2004: Neolithic lake-side settlement at Dispilio, Kastoria, Greece. Project Director G. Chourmouziadis (University of Thessaloniki, Greece).
- 1998-2001: Drakaina Cave (Neolithic, Chalkolithic, Classical), Kefallonia Island, Greece. Project Directors M. Chatioti and G. Stratouli (EPS).
- 1997-2015: Lakonis Cave complex, Peloponnese (Palaeolithic). Project Director, E. Panagopoulou (EPS).
- 1996-2005: Kouveleiki caves, Peloponnese (Neolithic). Project Director E. Stravopodi (EPS).
- 1995-1999: Theopetra Cave (Paleolithic, Mesolithic, Neolithic), Thessaly, Greece. Project Director N. Kyprissi-Apostolika (EPS).
- 1995-1997: Boila rockshelter (Palaeolithic), Epirus, Greece. Project Director E. Kotjabopoulou (EPS).

1994-1997: Regional georchaological project in Alonnisos Island (Paleolithic, Mesolithic), Greece. Project Director, E. Panagopoulou (EPS).

### **INVITED LECTURES- GUEST SPEAKER**

- 2019: Univeristy of Cuprus, Department of History and Archaeology: Art and technique in the construction of the mumulus of Laona. A microstratigraphic approach. February 25.
- 2017: Leiden Univerisity, Faculty of Archaeology: “Geoarchaeological studies on a Bioarchaeological context”, After the Act – Microscopic approaches to activity patterns, adandonment and (post)depositional processes.
- 2017: The Cyprus Institute, Cyprus.
- 2016: Institute of Human Origin, Arizona University.
- 2014: Tübingen, Germany “*Contextualizing technological change and cultural evolution in the MSA of southern Africa*”, International workshop hosted by the Department of Early Prehistory and Quaternary Ecology of the University of Tübingen, September 8-10.
- 2014: Kalamata, Greece “*4<sup>th</sup> Conference ARCH\_RNT*”, University of Peloponnese, 1-3 October.
- 2012: Tübingen, Germany “*Bridging Gaps: Integrating Geosciences within Archaeological Research*”, May 10-13.
- 2012: Kalamata, Greece “*3<sup>rd</sup> Conference ARCH\_RNT*”, University of Peloponnese, 3-5 October.
- 2011: Knoxville, USA, Keynote lecture in “*Developing International Geoarchaeology*” conference, September 20-24, 2011.
- 2010: Barcelona, Spain “*Workshop on Site Formation and Postdepositional Processes*” 2-4 June.
- 2008: CNRS France, Aix-en Provence, International Meeting “*Geoarchaeology and Taphonomy*” 24-28 September.
- 2008: Porto Heli, Greece ‘*Workshop on Methodological Approaches to Geoarchaeology*’, *13th Belgium-France-Italy-Romania Geomorphological Meeting*, 22-25 June.
2004. British School at Athens-Americal School of Classical studies at Athens: *Fitch-Wiener Labs seminar series ‘science-based archaeology’*.
- 1999: Departments of Anthropology and Classics, University of Cincinnati, USA: *Seminar in Technological Approaches to Archaeological Research*.

### **PUBLICATIONS**

#### **Summary**

Author or editor of three books (one in Greek) and author or coauthor of more than 130 scientific papers or chapters (20 of them in Greek) and 67 oral presentations and posters in international conferences. About 90 of the publications are in top peer review journals such as *Nature*, *PNAS*, *PLOS ONE*, *Science Advances*, *Journal of Human Evolution*, *Earth and Planetary Science Letters*, *Journal of Archeological Science*, *Journal of Archaeological Science*, *Reports; Geoarchaeology*, *Archaeological and Anthropological Sciences*, *Quaternary Science Reviews*, *Journal of Quaternary Science*, *Quaternary Geochronology*, *Quaternary International*, *Quaternary Research; Geomorphology*, *Radiocarbon*, *Antiquity*, *World Archeaeology*, and *Hesperia*.

#### **BIBLIOMETRY (Google Scholar: 11/2020)**

Number of citation: 6283

h-index: 44  
h-index since 2015: 33  
i10-index: 86  
i10-index since 2015: 78

## I. Books (in English)

1. Karkanias, P., Goldberg P. 2019. *Reconstructing Archaeological Sites: Understanding the Geoarchaeological Matrix*. Wiley-Blackwell; ISBN: 978-1-119-01640-3.
2. Papathanassiou, A., Parkinson, W.A., Pullen, D.J., Galaty, M.L., Karkanias, P. (Eds.), 2018. *Neolithic Alepotrypa Cave in the Mani, Greece*. Oxbow Books. ISBN: 978-1-78570-648-6

## II. Peer review journals

### In review

Zacharias, N., Polymeris, G., Koumouzelis, M., Karkanias, P. Detecting Middle Palaeolithic sequences at the Klissoura Cave I in Argolid, Greece using OSL dating, In *4th ARCH\_RNT Symposium Proceedings*, May 2016. University of the Peloponnese Publications Series, Kalamata.

### Published

1. Karkanias, P., Marean, C., Bar-Matthews, M., Jacobs, Z., Fisher, E., Braun, K. 2021. Cave life histories of non-anthropogenic sediments help us understand associated archaeological contexts. **Quaternary Research** (in press).
2. Starkovich, B.M., Elefanti, P., Karkanias, P., Panagopoulou, E. 2020. Site Use and Maintenance in the Middle Paleolithic at Lakonis I (Peloponnese, Greece). **Journal of Paleolithic Archaeology** 3, 157-186.
3. Harvati, K. Röding, C., Bosman, A.M., Karakostis, F.A., Grün, R., Stringer, Ch., Karkanias, P., Thompson, N.C., Koutoulidis, V., Mouloupoulos, L.A., Gorgoulis, V.G., Kouloukoussa, M. 2019. Apidima Cave fossils provide earliest evidence of Homo sapiens in Eurasia. **Nature** 571, 500-504.
4. Carter, T., Contreras, D., A., Holcomb, J., Mihailović, D., D., Karkanias, P., Guérin, G., Taffin, N., Athanasoulis, D., Lahaye, C., 2019. Earliest occupation of the Central Aegean (Naxos), Greece: Implications for hominin and Homo sapiens' behavior and dispersals. **Science Advances**, 5 (10): eaax0997
5. Karkanias, P., Berna, F., Fallu, D., Gauß, W. 2019. Microstratigraphic and mineralogical study of a Late Bronze Age updraft pottery kiln, Kolonna site, Aegina Island, Greece. *Anthropological and Archaeological Sciences*, 11, 5763–5780.
6. Holcomb, J., Karkanias, P. 2019. Elemental mapping of micromorphological block samples using portable X-ray fluorescence spectrometry (pXRF): Integrating a geochemical line of evidence. **Geoarchaeology** 34, 613-624.
7. Karkanias, P., 2019. Microscopic deformation structures in archaeological contexts. **Geoarchaeology** 34, 15-29.
8. Karkanias, P., Tourloukis, V., Thompson, N., Giusti, D., Panagopoulou, E., Harvati, K., 2018. Sedimentology and micromorphology of the Lower Palaeolithic lakeshore site Marathousa 1, Megalopolis basin, Greece. **Quaternary International** 497, 123-136.
9. Jacobs, Z., Li, B., Karkanias, P., Tourloukis, V., Thompson, N., Panagopoulou, E., Harvati, K., 2018. Beyond maps: Optical dating of K-feldspar grains from Middle Pleistocene lacustrine sediment at Marathousa 1 (Greece). **Quaternary International** 497, 170-177.



10. Giusti, D., Tourloukis, V., Konidaris, E., Thompson, N., Karkanias, P., Panagopoulou, E., Harvati, K., 2018. Beyond maps: Patterns of formation processes at the Middle Pleistocene open-air site of Marathousa 1, Megalopolis basin, Greece. **Quaternary International** 497, 137-153.
11. Tourloukis, V., Muttoni, G., Karkanias, P., Mones, E., Scardia, G., Panagopoulou, E., Harvati, K., 2018. Magnetostratigraphic and chronostratigraphic constraints on the Marathousa 1 Lower Palaeolithic site and the Middle Pleistocene deposits of the Megalopolis basin, Greece. **Quaternary International** 497, 47-64.
12. Tourloukis, V., Thompson, N., Panagopoulou, E., Giusti, D., Konidaris, G., E., Karkanias, P., Harvati, K., 2018. Lithic artifacts and bone tools from the Lower Palaeolithic site Marathousa 1, Megalopolis, Greece: Preliminary results. **Quaternary International** 497, 47-64.
13. Panagopoulou, E., Tourloukis, V., Thompson, N., Konidaris, G., Athanassiou, A., Giusti, D., Tsartsidou, G., Karkanias, P., Harvati, K., 2018. The Lower Palaeolithic site of Marathousa 1, Megalopolis, Greece: Overview of the evidence. **Quaternary International** 497, 33-46.
14. Field, M., H., Ntinou, M., Tsartsidou, G., van Berge Henegouwen, D., Risberg, J., Tourloukis, V., Thompson, N., Karkanias, P., Panagopoulou, E., Harvati, K., 2018. A palaeoenvironmental reconstruction (based on palaeobotanical data and diatoms) of the Middle Pleistocene elephant (*Palaeoloxodon antiquus*) butchery site at Marathousa, Megalopolis, Greece. . **Quaternary International** 497, 108-122.
15. Gkouma M., Karkanias P., 2018. The physical environment in Northern Greece at the advent of the Neolithic. **Quaternary International** 496, 14-23.
16. Braun, K., Bar-Matthews, M., Matthews, A., Ayalon, A., Cowling, R.M., Karkanias, P., Fisher, E.C., Dyez, K., Zilberman, T., Marean, C.W. 2019. Late Pleistocene records of speleothem stable isotopic compositions from Pinnacle Point on the South African south coast show close climate connection with rainfall in the interior. **Quaternary Research** 91, 265-288.
17. Blackwell, B.A.; Sakhrani, N.; Singh, I.K.; Gopalkrishna, K.K.; Tourloukis, V.; Panagopoulou, E.; Karkanias, P.; Blickstein, J.I.; Skinner, A.R.; Florentin, J.A.; Harvati, K., 2018. ESR Dating Ungulate Teeth and Molluscs from the Paleolithic Site Marathousa 1, Megalopolis Basin, Greece. **Quaternary** 1, 22.
18. Smith, E., Jacobs, Z., Johnsen, R., Ren, M., Fisher, E.C., Oestmo, S., Wilkins, J., Harris, J.A., Karkanias, P., Fitch, S., Amber C., Keenan, D., Cleghorn, N., Lane, C. S., Matthews, T., Marean, C.W. 2018. Humans thrived in South Africa 1 through the Toba super-volcanic eruption ~74,000 years ago. **Nature** 555, 511-515.
19. Esteban, I., Marean, C.W., Fisher, E. C., Karkanias, P., Cabanes, D., Albert, R.M., 2018. Phytoliths as an indicator of early modern humans plant gathering strategies, fire fuel and site occupation intensity during the Middle Stone Age at Pinnacle Point 5- 6 (south coast, South Africa). **PLoS ONE** 13(6): e0198558.  
<https://doi.org/10.1371/journal.pone.0198558>
20. Parkinson, W.A. Gyucha, A., Karkanias, P., Papadopoulos, N., Tsartsidou, G., Sarris, A., Duffy, P.R., Yerkes, R. W. 2018. A landscape of tells: Geophysics and microstratigraphy at two Neolithic tell sites on the Great Hungarian Plain. **Journal of Archaeological Science: Reports** 19, 903-924.
21. Vaiglova, P., Halstead, P., Pappa, M., Triantaphyllou, S., Valamoti, S.M., Evans, J., Fraser, R., Karkanias, P., Kay, A., Lee-Thorp, J., Bogaard, A. Of cattle and feasts: multi-isotope investigation of animal husbandry and communal feasting at Neolithic

- Makriyalos, northern Greece. **PLOS ONE** 13(6): e0194474.  
<https://doi.org/10.1371/journal.pone.0194474>.
22. Koromila, G., Kyparissi-Apostolika, N., Harris, K., Karkanias, P., Hamilakis, Y., Kotzamani, G. 2018. The Neolithic tell as a multi-species monument: a micro-contextual study of animal dung remains at Koutroulou Magoula, central Greece. **Journal of Archaeological Science: Reports**, 19, 753-768.
  23. Cawthra, H.C., Jacobs, Z., Compton, J.S., Fisher, E.C., Karkanias, P., Marean, C.W. 2018. Depositional and sea-level history from MIS 6 (Termination II) to MIS 3 on the southern continental shelf of South Africa. **Quaternary Science Reviews** 181, 156-172.
  24. Tourloukis, V., Thompson, N., Garefalakis, Ch., Karkanias, P., Konidaris, G.E., Panagopoulou, E., Harvati, K. 2016. New Middle Palaeolithic sites from the Mani Peninsula, Southern Greece. **Journal of Field Archaeology** 41, 68-83.
  25. Karkanias, P., Brown, K.S., Fisher, E.C., Jacobs, Z., Marean, C.W. 2015. Interpreting human behavior from depositional rates and combustion features through the study of sedimentary microfacies at site Pinnacle Point 5-6, South Africa. **Journal of Human Evolution** 85, 1-21.
  26. Fisher, E.C., Akkaynak, D., Harris, J., Herries, A.I.R., Jacobs, Z., Karkanias, P., Marean, C.W., McGrathi, J.R., 2015. Technical considerations and methodology for creating high-resolution, color-corrected, and georectified photomosaics of stratigraphic sections at archaeological sites. **Journal of Archaeological Science** 57, 380-394.
  27. Tourloukis, V., Karkanias P., Wallinga, J., 2015. Revisiting Kokkinopilos: Middle Pleistocene radiometric dates for stratified archaeological remains in Greece. **Journal of Archaeological Science** 57, 355-369.
  28. Karkanias, P., White, D., Lane, S.C., Stringer, C., Davies, W., Cullen, L. V., Smith, C.V., Ntinou, M., Tsartsidou, G., Kyparissi-Apostolika, N. 2015. Tephra chronostratigraphy and climatic events between the MIS6/5 transition and the beginning of MIS3 in Theopetra Cave, central Greece. **Quaternary Science Reviews** 118, 170-181.
  29. Tsartsidou, G., Karkanias, P., Marshall, G., Kyparissi-Apostolika, N. 2015. Palaeoenvironmental reconstruction and flora exploitation at the Palaeolithic cave of Theopetra, central Greece: the evidence from phytolith analysis. **Archaeological and Anthropological Sciences** 7, 169-185.
  30. Friesem, D. Tsartsidou, G., Karkanias, P. Shahack-Gross, R. 2014. Where are the roofs? A geo-ethnoarchaeological study of mud structures and their collapse processes, focusing on the identification of roofs. **Archaeological and Anthropological Sciences** 6, 73-92.
  31. Karkanias, P. Van de Moortel, A. 2014. Micromorphological analysis of sediments at the Bronze Age site of Mitrou, central Greece: patterns of floor construction and maintenance. **Journal of Archaeological Science** 43, 198-213.
  32. Friesem, D., Karkanias, P. Tsartsidou, G., Shahack-Gross, R. 2014. Sedimentary processes involved in mud brick degradation in temperate environments: a micromorphological approach in an ethnoarchaeological context in northern Greece. **Journal of Archeological Science** 41, 556-567.
  33. Shahack-Gross, R., Berna, F., Karkanias, P., Lemorini, C, Gopher, A., Barkai, R. 2014. Evidence for repeated use of a central hearth at Pleistocene (300 ky ago) Qesem Cave, Israel. **Journal of Archaeological Science** 44, 12-21.

34. Douka K., Higham T.F.G., Wood R., Boscato P., Gambassini P., Karkanas, P., Peresani M., Ronchitelli A. 2014. On the chronology of the Uluzzian technocomplex. **Journal of Human Evolution** 68, 1-13.
35. Facorellis, Y., Karkanas, P., Higham, T., Brock F., Ntinou, M., Kyparissi-Apostolika N. 2013. Interpreting radiocarbon dates from the Palaeolithic layers of Theopetra Cave in Thessaly, Greece. **Radiocarbon** 55, 1432-1442.
36. Pickering, R., Jacobs, Z., Herries, A. I.R., Karkanas, P., Bar-Matthews, M., Woodhead, J.D., Kappen, P., Erich Fisher, E., and Marean, C.W. 2013. Paleoanthropologically Significant South African Sea Caves dated to 1.0 Million Years using a combination of U-Pb, TT-OSL and palaeomagnetism. **Quaternary Science Reviews** 65, 39-52.
37. Efstratiou, N., Piagi, P., Karkanas, P. and Starnini, E. 2013. A late Palaeolithic site at Ouriakos (Limnos, Greece) in the northeastern Aegean. **Antiquity** 87: <http://antiquity.ac.uk/projgall/efstratiou335.htm>.
38. Roberts, D.L., Karkanas, P., Zenobia Jacobs, Z., Curtis W. Marean, C.W., Roberts, R.G. 2012. Melting ice sheets 400,000 yr ago raised sea level by 13 m: Past analogue for future trends. **Earth and Planetary Science Letters** 357-358, 226-237
39. Brown, K.S., Marean, M.W., Jacobs, Z., Schoville, B.J., Oestmo, S., Erich C. Fisher, E.C., Bernatchez, J., Karkanas, P., Matthews, Th. 2012. An early and enduring advanced technology originating 71,000 years ago in South Africa. **Nature** 491, 590-594.
40. Lowe, J., Barton, N., Blockley, S., Ramsey, C.R., Cullen, V.L., Davies, W., Gamble, C., Grant, K., Hardiman, M., Housley, R., Lane, C.L., Lee, S., Lewis, M., MacLeod, A., Menzies, M., Müller, W., Pollard, M., Price, C., Roberts, A.P., Rohling, E.J., Satow, C., Smith, V.C., Stringer, C.B., Tomlinson, E.L., White, D., Paul Albert, Arienzo, I., Barker, G., Borić, D., Carandente, A., Civetta, L., Ferrier, C., Guadelli, J-L., Karkanas, P., Koumouzelis, M., Müller, U.C., Orsi, G., Pross, J., Rosi, M., Shalamanov-Korobar, L., Sirakov, N., Tzedakis, P.C. 2012. Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. **PNAS** 109, 13532-13537.
41. Karkanas, P., Dabney, M. K., Smith R. Angus K., Wright, J.C. 2012. The geoarchaeology of Mycenaean chamber tombs. **Journal of Archaeological Science** 37, 2722-2732.
42. Tourloukis, V., Karkanas, P. 2012a. The Middle Pleistocene record of Greece and the role of the Aegean in hominin dispersals: new data and interpretations. **Quaternary Science Reviews** 43, 1-15.
43. Tourloukis, V., Karkanas, P. 2012b. Geoarchaeology in Greece: A Review. **Journal of the Virtual Explorer** 42, paper 4, In: Emmanuel Skourtsos and Gordon S. Lister, (Eds.) The Geology of Greece, 2012.
44. Pinot-Llona A.C., Clark, G., Karkanas, P., Blackwell, B., Skinner, A.R., Reed, K., Miller, A., Macías-Rodado, R., and Vakiarta, J. 2012. The Sopeña Rockshelter, a New Site in Asturias (Spain) bearing evidence on the Middle and Early Upper Palaeolithic in Northern Iberia. **Munibe** 63, 45-79.
45. Strasser, F.T., Runnels, C., Wegmann, K., Panagopoulou, E., McCoy, F., Digregorio, C., Karkanas, P., Thompson, N. 2011. Dating Palaeolithic sites in southwestern Crete, Greece. **Journal of Quaternary Science** 26, 553-560.
46. Jacobs, Z., Roberts, R.G., Karkanas, P., Marean, C.W. and Roberts, D.L. 2011. Development of the SAR TT-OSL procedure for dating of Middle Pleistocene beach

- and dune deposits along the southern Cape coast of South Africa. **Quaternary Geochronology** 6, 491-513.
47. Karkanas, P., Pavlopoulos, K., Kouli, K., Ntinou, M., Tsartsidou, G., Facorellis, Y., and Tsourou, Th. 2011. Palaeoenvironment and site formation processes of the Neolithic lakeside settlement of Dispilio, Kastoria, Northern Greece. **Geoarchaeology** 26, 83-117.
48. Karkanas, P. 2010. Geology, stratigraphy and site formation processes of the Upper Palaeolithic and later sequence in Klissoura Cave 1. **Eurasian Prehistory** 7 (2), 15-36.
49. Kuhn, S., Pigati, J., Karkanas, P., Koumouzelis, M., Kozłowski, J., Ntinou, M. and Stiner, M. 2010. Radiocarbon Dating Results from the Early Upper Palaeolithic of Klissoura 1 Cave. **Eurasian Prehistory** 7 (2), 37-46.
50. Stiner, M., Kozłowski, J., Kuhn, S., Karkanas, P., Koumouzelis, M. 2010. Klissoura Cave 1 and the Upper Paleolithic of Southern Greece in Cultural and Ecological Contexts. **Eurasian Prehistory** 7 (2), 309-321.
51. Maul, L.C., Smith, K.T., Barkai, R., Barash, A., Karkanas, P., Shahack-Gross, R. and Gopher, A. 2010. Microfaunal remains at Middle Pleistocene Qesem Cave, Israel: Preliminary results on small vertebrates, environment and biostratigraphy. **Journal of Human Evolution** 60, 464-480.
52. Harvati, K., Stringer C. and Karkanas, P. 2011. Multivariate analysis and classification of the Apidima 2 cranium from Mani, Southern Greece. **Journal of Human Evolution** 60, 246-250.
53. Gopher, A., Ayalon, A. Bar-Matthews, M., Barkai, R., Frumkin, A., Karkanas, P. and Shahack-Gross, R. 2010. The chronology of the late Lower Paleolithic in the Levant based on U-Th ages of speleothems from Qesem Cave, Israel. **Quaternary Geochronology** 5, 644-656.
54. Karkanas, P. and Goldberg, P. 2010. Site formation processes at Pinnacle Point Cave 13B (Mossel Bay, Western Cape Province, South Africa): resolving stratigraphic and depositional complexities with micromorphology. **Journal of Human Evolution** 59, 256-273.
55. Marean, C.W., Bar-Matthews, M., Fisher, E., Goldberg, P., Herries, E.A. Karkanas, P., Nilssen, P., and Thompson, E. 2010. The stratigraphy of the Middle Stone Age sediments at Pinnacle Point Cave 13B (Mossel Bay, Western Cape Province, South Africa). **Journal of Human Evolution** 59, 234-255.
56. Karkanas, P. 2010. Preservation of anthropogenic materials under different geochemical processes: a mineralogical approach. **Quaternary International** 210, 63-69.
57. Bar-Matthews, M., Marean, C.W., Jacobs, Z., Karkanas, P., Fisher, E.C., Herries, A.I.R., Brown, K., Williams, H., Bernatchez, J., Ayalon, A., and Nilsen, P.J. 2010. A high resolution and continuous isotopic speleothem record of paleoclimate and paleoenvironment from 90 to 53 ka from Pinnacle Point on the south coast. **Quaternary Science Reviews** 29, 2131-2145.
58. Strasser, Th., Panagopoulou, E., Runnels, C., Murray, P., Thompsom, N., Karkanas, P., McCoy, F.W., and Wegmann, K. 2010. Stone Age Seafaring in the Mediterranean: Evidence from the Plakias Region for Lower Palaeolithic and Mesolithic Habitation of Crete. **Hesperia**, 79, 145-190.
59. Pavlopoulos, K., Triantaphyllou, M., Karkanas, P., Kouli, K., Syrides, G, Vouvalidis, K., Palyvos, N., and Tsourou, T. 2010. Paleoenvironmental evolution and prehistoric

- Human environment, in the embayment of Palamari (Skyros Island, Greece) during Middle-Late Holocene. **Quaternary International** 216, 41-53.
60. Karkanas, P., Efstratiou, N. 2009. Floor sequences in Neolithic Makri, Greece: micromorphology reveals cycles of renovation. **Antiquity** 83, 955-967.
61. Frumkin, A., Karkanas, P., Bar-Matthews, M., Barkai, R., Gopher, A., Shahack-Gross, R., and Vaks, A. 2009. Gravitational deformations and fillings of caves: the example of Qesem karst system, Israel. **Geomorphology** 106, 154-164.
62. Kouli, K., Triantaphyllou, M., Pavlopoulos, K., Tsourou, Th, Karkanas, P., Dermitzakis, M.D. 2009. Palynological investigation of Holocene palaeoenvironmental changes in the coastal plain of Marathon (Attica, Greece). **Geobios** 42, 43-51.
63. Wright, J., Triantaphyllou, S., Dabney M.K., Karkanas, P., Kotzamani, G., Livarda, A. 2008. Nemea valley archaeological project, excavations at Barnavos, final report. **Hesperia** 77, 605-672.
64. Betancourt, P.P., Davaras, C., Dierckx, H.M.C., Ferrence, S.C., Hickman, J., Karkanas, P., McGeorge, P.J.P., Muhly, J.D., Reese, D.S., Stravopodi. E., Langford-Verstegen, L. 2008. Excavations in the Hagios Charalambos Cave: A Preliminary Report. **Hesperia** 77, 539-605.
65. Karkanas, P. and Goldberg, P. 2008. Micromorphology of sediments: deciphering archaeological context. **Israel Journal of Earth Sciences** 56, 63-71.
66. Karkanas, P., Schepartz, L.A., Miller-Antonio, S., Wei, W., and Weiwen, H. 2008. Late Middle Pleistocene climate in southwestern China: inferences from the stratigraphic record of Panxian Dadong Cave, Guizhou. **Quaternary Science Reviews** 27, 1555-1570.
67. Karkanas, P. and Stratouli, G. 2008. Neolithic lime plastered floors in Drakaina Cave, Kefalonia Island, Western Greece: Evidence of the significance of the site. **Annual of the British School at Athens** 104, 27-42.
68. Elefanti, P, Panagopoulou, E and Karkanas, P. 2008. The transition from the Middle to the Upper Palaeolithic in the southern Balkans: the evidence from the Lakonis I Cave, Greece. **Eurasian Prehistory** 5, 85-95.
69. Karkanas P. 2007. Identification of lime plaster in prehistory using petrographic methods: A review and reconsideration of the data on the basis of experimental and case studies. **Geoarchaeology** 22, 775-795.
70. Karkanas, P. Shahack-Gross, R., Ayalon, A., Bar-Matthews, M., Barkai, R., Frumkin, A., Gopher, A. and Stiner, M. 2007. Evidence for habitual use of fire at the end of the Lower Paleolithic: Site formation processes at Qesem Cave, Israel. **Journal of Human Evolution** 53, 197-212.
71. Richards, M., Harvati, K, Grimes, V., Smith, C., Smith, T., Hublin, J.-J., Karkanas, P., Panagopoulou, E. 2007. Strontium isotope evidence of Neanderthal mobility at the site of Lakonis, Greece using laser-ablation PIMMS. **Journal of Archaeological Science** 35, 1251-1256.
72. Marean, C.W., Bar-Matthews, M., Bernatchez, J., Fisher, E., Goldberg, P., Herries, A.I.R., Jacobs, Z., Jerardino, A., Karkanas, P., Mercier, N., Minichillo, T., Nilssen, P.J., Thompson, E., Tribolo, C., Valladas, H., Watts, I. and Williams, H. 2007. Early human use of marine resources and pigment in South Africa during the Middle Pleistocene. **Nature** 449, 905-908.
73. Valladas, H, Mercier, N. Froget, L., Joron, J.L., Reyss, J.L., Karkanas, P., Panagopoulou, E. and Kyparissi-Apostolika, N. 2007. TL age-estimates for the Middle

- Palaeolithic layers at the Theopetra cave (Greece). **Quaternary Geochronology** 2, 303-308.
74. Pavlopoulos, K., Triantaphyllou, M., Karymbalis, E., Karkanas, P., Kouli, K., Tsourou, Th. 2007. Landscape evolution recorded in the embayment of Palamari (Northeast Skyros Island), Greece, from the beginning of the Bronze Age until recent times. **Géomorphologie** 2007, 37-48.
75. Sitlivy, V., Sobczyk, K., Karkanas, P. and Koumouzelis, M. 2007. Middle Paleolithic lithic assemblages of the Klissoura Cave, Peloponnesus, Greece: A comparative analysis. **Archaeology, Ethnology & Anthropology of Eurasia** 3, 2-15.
76. Karkanas P. 2006. Late Neolithic household activities in marginal areas: the micromorphological evidence from the Kouveleiki caves, Peloponnese, Greece. **Journal of Archaeological Science** 33, 1628-1641.
77. Pavlopoulos, K., Karkanas, P., Triantaphyllou, M., Karymbalis, E., Tsourou, Th., and Palyvos, N. 2006. Palaeoenvironmental evolution of the coastal plain of Marathon, Greece, during the Late Holocene: Deposition environment, climate and sea-level changes. **Journal of Coastal Research** 22, 424-438.
78. Efstratiou, N., Biagi, P., Elefanti, P., Karkanas, P. and Ntinou, M. 2006. Prehistoric exploitation of Grevena highland zones: Hunters and herders along the Pindus chain of Western Macedonia (Greece). **World Archaeology** 38, 415-435.
79. Karkanas, P., Koumouzelis, M., Kozlowski, J.K., Sitlivy, V., Sobczyk, K., Berna, F. and Weiner, S. 2004. The earliest evidence for clay hearths: Aurignacian features in Klisoura Cave 1, southern Greece. **Antiquity** 78, 513-525.
80. Panagopoulou, E., Karkanas P., Tsartsidou, G., Harvati, K., Kotjabopoulou, E., and Ntinou, M. 2004. Late Pleistocene archaeological and fossil human evidence from Lakonis cave, southern Greece. **Journal of Field Archaeology** 29, 323-349.
81. Miller-Antonio, S., Schepartz, L., Karkanas, P., Yamei, H., Weiwen, H., and Bekken, D. 2004. Lithic Raw Material Use at the Late Middle Pleistocene Site of Panxian Dadong. **Asian Perspectives** 43, 314-332.
82. Colombini, M.P., Carmignani, A., Modungo, F., Frezzato, F., Olchini, A., Brekoulaki, H., Vasilopoulou, V., and Karkanas, P. 2004. Integrated analytical techniques for the study of ancient Greek polychromy. **Talanta** 63, 839-848.
83. Shahack-Gross, R., Berna, F., Karkanas, P. and Weiner, S. 2004. Bat guano and preservation of archaeological remains in cave sites. **Journal of Archaeological Science** 31, 1259-1272.
84. Harvati, K., Panagopoulou, E., and Karkanas, P. 2003. First Neanderthal remains from Greece: The evidence from Lakonis. **Journal of Human Evolution** 45, 465-473.
85. Karkanas P., Rigaud J-Ph., Simek J.F., Albert R.A., and Weiner S., 2002. Ash, bones and guano: a study of the minerals and phytoliths in the sediment of Grotte XVI, Dordogne, France. **Journal of Archaeological Science** 29, 721-732.
86. Karkanas P., 2002. Micromorphological studies in Greek prehistoric sites: new insight in the interpretation of the archaeological record. **Geoarchaeology** 17, 237-259.
87. Karkanas P., 2001. Site formation processes in Theopetra cave: a record of climatic change during the Late Pleistocene and early Holocene in Thessaly, Greece. **Geoarchaeology** 16, 373-399.
88. Woodward J.C., Hamlin R.H.B., Macklin M.G., Karkanas P. and Kotjabopoulou E., 2001. Quantitative sourcing of slackwater deposits at Boila rockshelter: a record of late-glacial flooding and Palaeolithic settlement in the Pindus Mountains, Northern Greece. **Geoarchaeology** 16, 501-536.

89. Karkanas P., Bar-Yosef O., Goldberg P. and Weiner S., 2000. Diagenesis in prehistoric caves: the use of minerals that form in situ to assess the completeness of the archaeological record. **Journal of Archaeological Science** 27, 915-929.
90. Karkanas P., Kyprissi-Apostolika N., Bar-Yosef, O., and Weiner S., 1999. Mineral assemblages in Theopetra, Greece: A framework for understanding diagenesis in a prehistoric cave. **Journal of Archaeological Science** 26, 1171-1180.
91. Poulimenos G., and Karkanas P., 1998. Messinian carbonate and alluvial fan sedimentation in the Alonnisos Island, Greece: Sedimentary response to basement controls, inversion tectonics and climatic fluctuations. **Geological Journal** 33, 159-175.
92. Karkanas P., Laskou M., Economou M. and Zhelyaskova-Panayotova M., 1996. Amphibolite dikes within the Zidani asbestos mine, northern Greece, and their significance. **Ofioliti** 21, 117-123.
93. Karkanas P., 1995. The slip-fiber chrysotile asbestos deposit in the Zidani area, northern Greece. **Ore Geology Reviews** 10, 19-29.
94. Karkanas P. and Matthews A., 1994. Oxygen isotope data on the formation temperature and origin of a slip-fiber chrysotile asbestos, Zidani, northern Greece. **Bulletin of the Geological Society of Greece** XXX/1, 489-495.

### III. Peer-reviewed Book Chapters/Proceedings

95. Karkanas, P. 2020. Geoarchaeology. In M. Richards, and K. Britton, (Eds.). (2020). *Archaeological Science: An Introduction*. Cambridge: Cambridge University Press, pp. 314-332.
96. Karkanas P. and Goldberg P. 2018. Phosphatic features. In G. Stoops, V. Marcelino and F. Mees (Eds) *Interpretation of Micromorphological features of soils and regoliths*. Amsterdam: Elsevier, pp. 323-346.
97. Koromila, G., Karkanas, P., Kotzamani, G., Harris, K., Hamilakis, Y., Kyprissi-Apostolika, N. Humans, Animals, and the Landscape in Neolithic Koutroulou Magoula, Central Greece: an approach through micromorphology and plant remains in dung. 2017. In A. Sarris, E. Kalogiropoulou, T. Kalayci & L. Karimali (Eds.) *Communities, Landscapes and Interaction in Neolithic Greece*. Proceedings of International Conference, Rethymno 29-30, May 2015, pp. 81-96.
98. Parkinson, W.A., Papathanasiou, A., Galaty, M. L., Pullen, D.J., Karkanas, P., Papathanassopoulos, G. 2017. Diros in Context: Alepotrypa Cave and Ksagounaki Promontory in the Neolithic Period. In A. Sarris, E. Kalogiropoulou, T. Kalayci & L. Karimali (Eds.) *Communities, Landscapes and Interaction in Neolithic Greece*. Proceedings of International Conference, Rethymno 29-30, May 2015, pp.126-136.
99. Smith, Angus, R.K., Dabney M.K., Pappi, E., Triantaphyllou, S., Wright, J.C., Karkanas, P., Kotzamani, G., Livarda, a., MacKay, C., Ntinou, M., Roumpou, M., Stahl, A.M., Tsartsidou, G. 2017. *Ayia Sotira: A Mycenaean Chamber Tomb Cemetery in the Nemea Valley, Greece*. Prehistoric Monographs 56, INSTAP Academic Press.
100. Karkanas, P. 2017. Guano. In Nicosia C. and Stoops, G. (Eds), *Archaeological Soil and Sediment Micromorphology*. Oxford: Wiley Blackwell, pp. 83-89.
101. Karkanas, P. 2017. Tombs. In Gilbert, A.S. (Ed.) *Encyclopedia of Geoarchaeology*. Dordrecht: Springer, pp. 978-981.
102. Karkanas P. & Goldberg P. (2017a). Soil Micromorphology. In: Gilbert, A.S. (Ed.) *Encyclopedia of Geoarchaeology*. Dordrecht: Springer, pp. 830-841.

103. Karkanas P. & Goldberg P. (2017b). Cave Settings. In: Gilbert, A.S. (Ed.) *Encyclopedia of Geoarchaeology*. Dordrecht: Springer, pp 108-118.
104. Karkanas, P. (2017). Chemical alteration. In: Allan, S.G. (Ed.) *Encyclopedia of Geoarchaeology*. Dordrecht: Springer, pp. 129-139.
105. Karkanas, P. 2014. Geology, geomorphology, and micromorphology studies. In: P. P. Betancourt, C. Davaras, and E. Stravopodi (Eds.), Hagios Charalambos. A Minoan burial cave in Crete. I. Excavation and portable objects. Prehistoric Monographs 47, Philadelphia: INSTAP Academic Press, pp. 13-16.
106. Karkanas, P. and Goldberg, P. 2013. Micromorphology of cave sediments. In: John F. Shroder (Editor-in-chief), Frumkin, A. (Volume Editor). *Treatise on Geomorphology*, Vol 6, *Karst Geomorphology*, San Diego: Academic Press; pp. 286-297.
107. Karkanas P. and Goldberg P. 2010. Phosphatic features. In G. Stoops (ed.), H. Eswaran, V. Marcelino and F. Mees (co-eds) *Micromorphological features of soils and regoliths. Their relevance for pedogenic studies and classifications*, Amsterdam: Elsevier, pp. 521-541.
108. Pavlopoulos K., Karkanas P., Triantaphyllou M, and Karymbalis E. 2003. Climate and sea level changes recorded in the coastal plain of Marathon, Greece. In E. Fouache (Ed.), *The Mediterranean World, Environment and History*. Paris: Elsevier, pp. 453-465.
109. Stamatakis M., Karkanas P., and Iglethorpe S., 2000. White Mg-carbonate deposits of the Kozani basin, northern Greece, and their potential use as fire retardants. *Proceedings of the 1<sup>st</sup> Conference of the Committee of Economic Geology, Mineralogy and Geochemistry*, February, 2000, Kozani, Greece, 413-426.
110. Karkanas P., 1999. Lithostratigraphy and micromorphology of Theopetra cave deposits, Thessaly, Greece: some preliminary results: In G. N. Bailey, E. Adam, E. Panagopoulou, C. Perles and K. Zachos, (Eds.), *The Palaeolithic Archaeology of Greece and Adjacent areas. Proceedings of the ICOPAG Conference, Ioannina*. **BSA Studies** 3, 240-251.
111. Economou-Eliopoulos M., Sambanis G. and Karkanas P., 1999. Trace element distribution in chromites from the Pindos ophiolite complex, Greece: Implications for the chromite exploration. In C.J. Stanley et al., (Eds.), *Mineral Deposits: Processes to Processing. Proceedings of the Fifth Biennial SGA Meeting and the Tenth Quadrennial IAGOD Meeting, London, 22-25 August 1999*. A.A. Balkema, 713-716.

#### **IV. Non-peer reviewed Book Chapters/Proceedings**

112. Karkanas, P. 2018. Stratigraphy and site formation processes of Alepotrypa Cave. In Papanthassiou, A., Parkinson, W.A., Pullen, D.J., Galaty, M.L. and Karkanas, P. (eds.) Neolithic Alepotrypa Cave in the Mani, Greece. Oxford: Oxbow Books, pp. 24-32 (in press).
113. Karkanas, P. 2013. Cave Sediment Studies in Greece: A Contextual Approach to the Archaeological Record. In: F. Mavridis and J.T. Jensen *Stable Places and Changing Perceptions: Cave Archaeology in Greece*. **BAR International Series** S2558, pp. 73-82.
114. Mavridis, F., Kormazopoulou, L., Papadea, A., Apostolikas, O., Yamaguchi, D., Tankosic, Z., Kotzamani, G., Trantalidou, K., Karkanas, P., Maniatis, Y., Papagianni, K., and Lambropoulos, D. 2013. Anonymous Cave Of Schisto at Keratsini, Attika: A Preliminary Report on a Diachronic Cave Occupation from the Pleistocene/Holocene Transition to the Byzantine Times. In: F. Mavridis and J.T. Jensen *Stable Places*



and Changing Perceptions: Cave Archaeology in Greece. **BAR International Series S2558**, pp. 248-284.

115. Mavridis, F., Laskaris, N., Papadea, A., Apostolikas, O., Trantalidou, G., Kotzamani, G., Karkanas, P., Maniatis, Y., Liritzis, I., Kormazopoulou L. 2013. Anonymous Cave of Schisto at Keratsini: dating of obsidian samples oriented from late Pleistocene-Early Holocene deposits with the SIMS-SS method. 2nd ARCH\_RNT, *Archaeological Research and New Technologies, University of Peloponnese, Kalamata 2012*, pp. 121-131.
116. Harvati, K. Panagopoulou, E., Karkanas, P. Athanassiou, A. and Frost, S.R. 2008. Preliminary results of the Aliakmon palaeolithic/palaeoanthropological survey, Greece, 2004-2005. In: Darlas, A. and Mihailovic, D. (Eds) *The Palaeolithic of the Balkans* Proceedings of the XV UISPP world congress (Lisbon 4-9 September 2006). **BAR International Series S1819**, pp. 15-20.
117. Karkanas P., Panagopoulou E., Anoussis J. and Kyparissi-Apostolika N., 2008. Raw material procurement in the Middle Palaeolithic of Thessaly: Sourcing studies. In Y. Facorellis, N. Zacharias and K. Polikreti (Eds) *Proceedings of the 4<sup>th</sup> Symposium of the Hellenic Society of Archaeometry*. **BAR Internationals Series S1746**, pp. 389-397.
118. Weiner S., Berna F., Cohen-Ofri I., Shahack-Gross R., Maria Albert R., Karkanas P., Meignen L., Bar-Yosef O. 2007. Mineral distribution in Kebara Cave: diagenesis and its effects on the archaeological record. In O. Bar-Yosef and L. Meignen (Eds.) *Kebara Cave Mt Carmel, Israel. The Middle and Upper Paleolithic Archaeology. Part I. American School of Prehistoric Research Bulletin 49*, Peabody Museum of Archaeology and Ethnology, Harvard University, pp. 131-146.
119. Schepartz L.A., Bakken D., Miller-Antonio S., Paraso K. and Karkanas P. 2004. Faunal approaches to site formation processes at Panxian Dadong. In C. Sehn and S.G. Keates (Eds.), *Current Research in Chinese Pleistocene Archaeology*. **BAR International Series S1173**, pp. 33-45.

## V. Non-peer reviewed Greek Publications

### Books

120. Karkanas, P. 2010. *Introduction to Geoarchaeology*. Nefeli.

### Papers/chapters/proceedings

121. Karkanas, P. 2015. Site formation processes at Palamari, In: L. Parlama and M. Theochari (eds), *The Fortified Prehistoric Settlement at Palamari, Skyros*. Athens, Epistimoniki Epitropi Ergou Palamariou Skyrou, SAITIS AE, pp. 201-222.
122. Pavlopoulos, K., Triantaphyllou, M., Markou, D., Apostolopoulos G., Karkanas, P., Kouli, K., Kapsimalis. V. 2015. Paleogeographic reconstruction of the Palamari Prehistoric settlement area (NE Skyros Island, Aegean Sea), In: L. Parlama and M. Theochari (eds), *The Fortified Prehistoric Settlement at Palamari, Skyros*. Athens, Epistimoniki Epitropi Ergou Palamariou Skyrou, SAITIS AE, pp. 189-200.
123. Karkanas, P. 2011. Sediment in archaeology, In: Y. Liritzis and N. Zacharias (eds) *Archaeomaterials*. Athens: Papazisis.
124. Darlas, A., Karkanas, P., Palli, O. and Papadea, A. 2007. Palaeolithic research on south-west Corfu. **Athens Annals of Archaeology** 39 (2006), 11-30.

125. Trantalidou, K., Karkanias, P., Belegriinou, E. and Hatzitheodorou, Th. 2007. A cave in an important macedonian pass, the gorge of Livadopotamos: first presentation. **To archeologiko ergo sti Makedonia kai Thraki**, 19, 579-594.
126. Panagopoulou, E., Harvati, K., Karkanias, P., Athanassiou, A., Elefanti, P., and Frost, S. 2006. The West Macedonia palaeolithic survey. **To archeologiko ergo sti Makedonia kai Thraki**, 18, 632-638.
127. Kyparissi, N. and Karkanias, P. 2005. The contribution of geological observation to the archaeological interpretation of Theopetra cave. *Proceedings of the B' Historical Conference of Kalambaka, 10-12 May 2002, Kalambaka*, pp. 581-590.
128. Pavlopoulos K., Karymbalis E., Karkanias P., Parlama L., Manos I., Triantaphyllou M. and Theochari M. 2004. Geomorphic evolution of the Palamari Bay (northeastern Skyros Island) during Late Holocene. **Bulletin of the Geological Society of Greece XXXV**, 1044-1053.
129. Pavlopoulos, K. Karkanias, P., Triantaphyllou, M., Karymbalis, E., Tsourou, Th., Palyvos, N. and Perleros, B. 2004. Paleogeographic evolution of the coastal plain of Marathon during the middle-late Holocene. *Proceeding of the I' Scientific Meeting, NE. Attica, Kalivia Thorikou Attika*, 28 November – 1 December 2002, pp. 551-571.
130. Karkanias, P., Pavlopoulos, K., Triantaphyllou, M., Karymbalis, E., Tsourou, Th., and Palyvos, N. 2004. Coastal marsh of Schinias, Marathon: Sedimentation – sea level changes – climate changes during middle and late Holocene. **Geographies** 7, 83-104.
131. Karkanias P., and Eustratiou N., 2003. In search of the everyday time in Neolithic Makri. Microstructure and microstratigraphy of floors, occupational surfaces, and open areas of the settlement. **To archeologiko ergo sti Makedonia kai Thraki**, 15, 1-8.
132. Karkanias P., 2002. Micromorphological study of Dispilio deposits. In: G. Chourmouziadis (Ed.), *Dispilio. After 7500 years*. University Studio Press, Thessaloniki, pp. 295-302.
133. Panagopoulou E., Kotjabopoulou E., and Karkanias P., 2001. Geoarchaeological research in Alonnisos: new evidences on the Palaeolithic and Mesolithic in the Aegean region. In A. Sampson (Ed.), *Archaeology in the Northern Sporades, Greece*". Municipality of Alonnessos, pp. 121-151.
134. Karkanias P. 2000. Site formation processes in Dispilio: the contribution of micromorphology. **To archeologiko ergo sti Makedonia kai Thraki**, 13, 631-642.
135. Karkanias P. and Weiner S., 2000. Lithostratigraphy and diagenesis of Theopetra cave deposits. *Theopetra cave - twelve years of excavation and research 1987-1998*. Proceedings of the *International Scientific Conference, 6-7 November Trikala, Greece*, 37-51.
136. Karkanias P., 2000. Preliminary assessment of the geology of A and B Kouveleiki caves, Lakonia: the impact on the archaeological data of the excavation. **Athens Annals of Archaeology XXIX-XXXI (1996-1998)**, 95-112.
137. Karkanias P., 2000. Theopetra. A cave giving information on the evolution of the climate. **National Geographic** (Greek version), 4 (4), 135-138.
138. Karkanias P., 2000. The contribution of micromorphology in the study of site formation processes in Dispilio. **Eptakyklos** 15, 93-97.
139. Karkanias P., 1998. The contribution of micromorphology in the study of archaeological site formation processes. *The Prehistoric Research in Greece and its perspectives. Theoretical and Methodological considerations*. Proceedings of the

International Symposium in the memory of D. Theocharis, Thessaloniki-Kastoria, Greece, 26-29 November 1998, 107-112.

140. Karkanas P., 1996. Asbestos - How hazardous it is. **Mineral Wealth** 99, 15-20 (in Greek).

#### **VI. Papers in preparation**

141. Karkanas, P. Geoarcheological analysis of Mycenae. In: Ch. Maggidis (ed.), The Lower Town of Mycenae: Geophysical Survey 2003-2012 (vol. 1).

#### **VII. Presentations/Abstracts**

1. Carter, T., Contreras, D., Holcomb, J., Mihailović, D., Karkanas, P., Guérin, G., Taffin, N., Athanasoulis, D., Lahaye, C. 2019. A Mid-Holocene to Middle Pleistocene Stratigraphic Sequence from Stelida, Naxos. In AIA 120<sup>th</sup> Annual Meeting, January 4th-7<sup>th</sup>, San Diego, Gold Medal Colloquium in Honor of Curtis Runnels.
2. Karkanas, P., Stocker, S., Davis, J., 2018. Microstratigraphic and geochemical contributions to the study of the burial practices and taphonomy of the Mycenaean shaft grave of the ‘Griffin Warrior’, Pylos, Greece. In SAA 83<sup>rd</sup> Annual Meeting, April 11-15, Washington, DC.
3. Harvati, K., Panagopoulou, E., Tourloukis, V., Thompson, N., Karkanas P., Konidaris, G., Athanassiou, A., Tsartsidou, G., Giusti, D., 2017. Marathousa 1: New Lower Paleolithic elephant butchering site from the Megalopolis basin, Greece. 7th Annual Meeting of The European Society for the Study of Human Evolution, 21-23 September, 2017, Leiden, Netherlands.
4. Carter, T., Athanasoulis, D., Contreras, G., Holcomb, J., D. Mihailović, D., Karkanas, P., Moutsiou, T., Campeau, K., Feathers, J., Pitt, Y. 2017. Early Humans in the Aegean: Survey and Excavation at Stélida, Naxos 2013-17. ‘Les travaux archéologiques dans les Cyclades, colloque international, Athens 22-26<sup>th</sup>, Nov. 2018.
5. Harvati, K., Panagopoulou, E., Tourloukis, V., Thompson, N., Karkanas, P., Athanassiou, A., Konidaris, G., Tsartsidou, G., Giusti, D., 2016. New Middle Pleistocene elephant butchering site from Greece. Paleoanthropology Society 2016 Meeting, Atlanta, April 12 and 13, 2016.
6. Vaiglova, P., Bogaard, A., Karkanas, P., Pappa, M., Cattle for the feast: using multiple isotopes to understand the origins and lives of cattle consumed at Late Neolithic Makriyalos. In 81st Annual Meeting of the Society for American Archaeology, 2016, Orlando, USA.
7. Cawthra, H.C., Compton, J.S., Fisher, E.C., Jacobs, Z., Karkanas, P., Marean, C.W. An onshore-offshore record of sedimentation and shoreline shift through two glacial-interglacial cycles. In 35<sup>th</sup> International Geological Congress. 27 August - 4 September 2016, Cape Town, South Africa.
8. Parkinson W., Papanassasiou, A., Pullen, D., Karkanas, P., Galaty, M.L., Papanassopoulos, G. 2016. The Diros project: Multidisciplinary investigations at Alepotryap Cave and Ksagounaki promontory, 2010-2015. In AIA 2016 Annual Meeting, San Francisco, 6-9, January.
9. Tourloukis V. Karkanas P. 2016. The geoarchaeology of Palaeolithic sites with terra rossa: research questions and prospects. In 1st INTERNATIONAL CONFERENCE ON THE ARCHAEOLOGY & HISTORY OF THESPROTIA, December 8-11, Igoumenitsa, Greece.

10. (Discussand) Karkanas P., 2015. The preservation of organic remains in the Aegean. AIA colloquium Session (organizers: F. Dibble, D. Fallu and O. Jones). In *AIA 2015 Annual Meeting*, New Orleans, 8-11, January.
11. Ciravolo, A., Ren, M., Johnsen, R., Karkanas, P., Marean, C., W., Fisher, E., C. Lane, C., 2015. Youngest Toba Tuff (~74 ka) cryptotephra identified in an archaeological site at Pinnacle Point, South Africa, In 2015 Geological Society of America Annual Meeting Annual Meeting, Baltimore, Maryland, USA, 1-4 November.
12. Marean C. W., Karkanas, P. 2015. Cave life histories of non-anthropogenic sediments help us “raise the bar” in our understanding of anthropogenic sediments. In *SAA 80<sup>th</sup> Annual meeting*, San Francisco, 15-19 April.
13. Karkanas, P., Brown, K.S., Fisher, E.C., Jacobs, Z., Marean, C.W. 2015. Micromorphology Reveals Changing Levels of Site Occupation Intensity at Pinnacle Point 5-6. In *SAA 80<sup>th</sup> Annual meeting*, San Francisco, 15-19 April.
14. Smith, E., Ciravolo, A., Ren, M., Karkanas, P., Marean, C.W. 2015. Cryptotephra Discovered at Pinnacle Point Site 5-6 May Correlate with the 74 ka Eruption of Toba in Indonesia: Implications for Resolving the Dating Controversy for Middle Stone Age Sites in Southern Africa. In *SAA 80<sup>th</sup> Annual meeting*, San Francisco, 15-19 April.
15. Jacobs, J., Marean, C.W., Fisher, E., Karkanas, P., Cawthra, H. A high-resolution single grain optically stimulated luminescence chronology for Pinnacle Point site 5-6. *Paleoanthropology Society 2015 Meeting*, San Francisco, 14-15 April.
16. Parkinson, W., Papathanasiou, A., Galaty, M., Pullen, D., Karkanas, P., Papathanassopoulos, G. 2014. Diros in context: communities, landscapes, and interaction in the Late Neolithic of the southern Greece. In *Communities, Landscapes and Interaction in Neolithic Greece, International Conference*, Rethymno 29-30 May
17. (invited) Karkanas, P. 2014. Site Formation Processes of the Neolithic Alepotrypa Cave, Mani, Greece. In Kalamata, Greece “4<sup>th</sup> Conference ARCH\_RNT”, University of Peloponnese, 1-3 October.
18. Pullen, D., Papathanasiou, A., Parkinson, W., Karkanas, P., Galaty, M., 2014. Alepotrypa Cave and its Regional Context in the Late and Final Neolithic Aegean. In *SAA 79<sup>th</sup> Annual Meeting*, Austin, Texas. April 23 - April 27.
19. (invited) Karkanas, P. 2014. Interpreting human behavior from the study of sediments at site Pinnacle Point 5-6, South Africa. In “*Contextualizing technological change and cultural evolution in the MSA of southern Africa*, International workshop hosted by the Department of Early Prehistory and Quaternary Ecology of the University of Tübingen, September 8-10.
20. Smith, E., Ciravolo, A., Karkanas, P., Marean, C., Fisher, E., Cleghorn, N., Lane, C., Ren, M. 2014. Cryptotephra Possibly from the 74 ka Eruption of Toba Discovered at Pinnacle Point, South Africa: Implications for Resolving the Dating Controversy for Middle Stone Age Sites in Southern Africa. In *23rd Annual Meetings of the Paleanthropology Society*, Calgary, Alberta, Canada, April 8-9.
21. Strasser, T., Panagopoulou, E., Karkanas, P., Klinton, M., Kapranos, E., Thompson, N., Murray, S. 2013. The Excavation at Mesolithic Damnoni in the Ayios Vassilios Region: A New Culture on Crete. In: *3rd Meeting for the Archaeological Work in Crete*. 5 – 8.12.2013, Rethymno, Crete, Greece.
22. Karkanas, P., Berna, F., Walter, G. and Fallu, D.J. 2013. Microstratigraphic Study of a Middle Bronze Age Updraft Pottery Kiln, Kolonna, Aegina, Greece. *114<sup>th</sup> Annual Meeting, Archaeological Institute of America, Sheattle*, January 3-6.

23. Papathanassopoulos, G., Parkinson, W., Papathanasiou, A., Galaty, M., Pullen, D.J., and Karkanas, P. 2013. The Diros Project, 2012: Survey and Excavation in the Western Mani Peninsula, Southern Greece. *114<sup>th</sup> Annual Meeting, Archaeological Institute of America, Sheattle*, January 3-6.
24. Van De Moortel, A., and Karkanas, P. 2013. Micromorphological Analysis of Sediments at the Bronze Age and Early Iron Age Site of Mitrou, East Lokris: Patterns of Floor Construction and Maintenance. *114<sup>th</sup> Annual Meeting, Archaeological Institute of America, Sheattle*, January 3-6.
25. Stratouli, G. Sarpaki, A., Ntinou, M., Kotzabopoulou, E., Theodoropoulou, T., Melfos, V., Andreasen, N. and Karkanas, P. 2012. Culture encapsulated in environmental data: approaches to understanding the Neolithic use of Drakaina Cave at Kefalonia Island, western Greece. *14e Rencontre Égéenne Internationale, PHYSIS, Institut National d'Histoire de l'Art (INHA)*, Paris, 11-14 December.
26. Zacharias, N., Karkanas, P., Koumouzei, M., Stiner, M., Polymeris, G., Absolute dating and stratigraphic data of the sedimentary sequence of the Palaeolithic Klissoura Cave 1, Argolis. International Conference The Archaeological Work in Peloponnese (1st AEPPEL), Tripolis, November 7-11, 2-12.
27. (invited) Panagopoulou, E., Karkanas, P. 2012: The Palaeolithic of insular Greece. *International Symposium Human Evolution in the Southern Balkans* Tübingen, 06 – 08 December 2012.
28. (invited) Karkanas, P. 2012. Reconsiderations for Burial Contexts Based on Micromorphological Research: Approaches for Mycenaean Chamber Tombs. *3<sup>o</sup> Conference ARCH\_RNT*, University of Peloponnese, Kalamata, 3-5 Οκτωβρίου 2012.
29. Facorellis Y., Karkanas, P., Higham, T., Brock, F., Ntinou, M. and Kyparissi-Apostolika, N. 2012. Interpreting radiocarbon dates from the Palaeolithic layers of the Theopetra Cave in Thessaly, Greece. *21st International Radiocarbon Conference*, Paris, France, 9 - 13 July 2012.
30. (invited) Karkanas, P. 2012. Interdisciplinary problems in managing different scales of observation. Workshop: *Bridging Gaps: Integrating Geosciences within Archaeological Research*, Tübingen, Germany, May 10-13, 2012.
31. Herries, A.I.R., Pickering, R., Karkanas, P., Kappan, P., Jacobs, Z., Bar Matthews, M., Fisher, E., Marean, C.W. 2012. The direct U-Pb dating of geomagnetic reversals and excursions in speleothem from Pinnacle Point, South Africa. Magnetic Relaxations conference 2012. Jan. 4th-5th 2012. University of Liverpool, UK. Abstracts pp. 17.
32. Strasser, T.F., Panagopoulou, E., Karkanas, P., Kapranos, E., Marshall, G., DiGregorio, Ch., Clinton, M.G., George, G., and Mersereau, R. The Damnoni Excavation: Mesolithic Remains from Southwest Crete, In *2012 Archaeological Institute of America and American Philosophical Association Joint Annual Meeting*, Philadelphia, January 6-8, 2012.
33. Brown, K. S., Marean, C. W., Jacobs, Z., Bernatchez, J., Karkanas, P., Oestmo, S. and Schoville, B. J. 2012. A Pre-Howiesons Poort small backed blade MSA occurrence at Pinnacle Point. Palaeoanthropology Society 2011 Annual meeting, Minneapolis, Minnesota.
34. (invited) Karkanas P. 2011. Micromorphological analysis of sediments at the Bronze Age site of Mitrou, central Greece: patterns of floor construction and maintenance. *Developing International Geoarchaeology* conference, Knoxville, USA, September 20-24, 2011.

35. Smith, A., Dabney, M.K, Pappi, E., Karkanas, P., Triantaphyllou, S., Wright, J. 2011. The Excavation of Mycenaean Chamber Tombs at Barnavos and Ayia Sotira in the Nemea Valley. *Death, Decay, and Discovery, An interdisciplinary workshop on taphonomic approaches to understanding burial practice*, Joukowsky Institute for Archaeology and the Ancient World, Brown University, April 8 - 10, 2011.
36. Douka, K., Perlès, C., Karkanas, P., and Panagopoulou, E. 2011. Greece. *Time for the Palaeolithic: Radiocarbon dating and the Middle to Upper Palaeolithic of Europe*, St Antony's College Oxford April 14-16, 2011.
37. (invited) Karkanas, P. 2010. *Evaluation of the preservation state of archaeological materials: methods and techniques* Barcelona, Spain "Workshop on Site Formation and Postdepositional Processes" 2-4 June, 2010.
38. Bar-Matthews, M., Marean, C.W., Jacobs, Z., Karkanas, P., Fisher, E.C., Herries, A.I.R., Brown, K., Williams, H.M., Bernatchez, J., Ayalon, A., and Nilssen, P.J. 2009. A high resolution speleothem record of variable climate and environment 90-53,000 years ago from Pinnacle Point (south coast South Africa) and bearing on modern human origins and floral diversity. *Southern African Society for Quaternary Research, SASQUA XVIII Biennial Congress 2009*. Knysna, Western Cape, South Africa, 6 to 10 September 2009.
39. (invited) Karkanas, P. 2008: *Preservation of anthropogenic materials under different geochemical processes*. CNRS France, Aix-en Provence, International Meeting "Geoarchaeology and Taphonomy" 24-28 September, 2008.
40. (invited) Karkanas, P. 2008. Geoarchaeological research at the scale of the archaeological site. *13th Belgium-France-Italy-Romania Geomorphological Meeting: Landscape Evolution and Geoarchaeology*. June 18-21, Porto Heli, Greece.
41. Mavridis, F., Kormazopoulou, L., Apostolikas, O., Papadea, A., Yamaguchi, D., Tankosic, Z., Kotzamani, G., Trantalidou, K., Karkanas, P. and Maniatis Y. 2008. The Cave at Schisto, Keratsini: A Case of Diachronic Cave Occupation in Attica. *New Research in Greek Caves*. Irish Institute of Hellenic Studies in Athens. 24 May 2008, Athens.
42. Bar-Matthews, M., Marean, C. W., Karkanas, P., Jacobs, Z., Fisher, E., Herries, A. I. R., Ayalon, A. and Schilman, B. (2008). A high-resolution and continuous isotopic speleothem record of paleoclimate and paleoenvironment from 92-55 ka from Pinnacle Point, South Africa. *73rd Annual Meeting of the Paleoanthropology Society*. Vancouver, British Columbia, March 25 - March 26, 2008.
43. Marean, C. W., Bar-Matthews, M., Fisher, E., Goldberg, P., Herries, A. I. R., Jacobs, Z., Jerardino, A., Karkanas, P. and Nilssen, P. J. The life history of Pinnacle Point Cave 13B (Mossel Bay, South Africa): Setting the context for human occupation. *73rd Annual Meeting of the Society for American Archaeology. New Views on Ancient Africa – Papers in Honor of C. Garth Sampson* Vancouver, British Columbia, March 26 - March 30, 2008
44. Marean, C. W., Bar-Matthews, M., Bernatchez, J., Fisher, E., Goldberg, P., Herries, A. I., Jacobs, Z., Jerardino, A., Karkanas, P., Minichillo, T., Nilssen, P. J., Rector, A., Reed, K., Thompson, E. N., Thompson, J. C., Watts, I. and Williams, H. M. (2008). Human use of marine resources, pigments, and bladelets at Pinnacle Point Site 13B (South Africa) during the Middle and Later Pleistocene. *73rd Annual Meeting of the Paleoanthropology Society*. Vancouver, British Columbia, March 25 - March 26, 2008
45. Herries, A.I.R., Fisher, E.C., Marean, C.W., Bar-Matthews, M., Goldberg, P., Jacobs, Z., Karkanas, P., Tribolo, C. 2007. Multi-dimensional modelling of magnetic

- mineralogy to detect anthropogenic alteration of Middle Stone Age sediments at Cave 13B, Pinnacle Point, Western Cape, South Africa. *17th Congress of the International Quaternary Association (INQUA), 28 July-3 August, Cairns, Australia: Abstract: Quaternary International* 167-168, p. 164.
46. Marean, C.W., Bar-Matthews, M., Fisher, E.C., Goldberg, P., Herries, A.I.R., Jacobs, Z., Karkanas, P., Nilssen, P. 2007. Cave life history at Pinnacle Point (Mossel Bay, South Africa): Its implications for climate, environment, and human occupation over the last 400,000 years. *17th Congress of the International Quaternary Association (INQUA), 28 July-3 August, Cairns, Australia: Abstract: Quaternary International* 167-168, p. 267.
  47. Pavlopoulos K., Triantaphyllou, M., Karkanas, P., Kouli, K., Syrides, G., Vouvalidis, K., Palyvos, N., Tsourou, Th. 2007. Paleoenvironmental evolution and prehistoric human environment, in the embayment of Palamari (Skyros Island, Greece) during Middle-Late Holocene. *17th Congress of the International Quaternary Association (INQUA), 28 July-3 August, Cairns, Australia: Abstract: Quaternary International* 167-168, p. 318.
  48. Roberts, D.R., Jacobs, Z., Karkanas, P., Marean, C.W. 2007. Onshore expression of multiple orbitally driven Late Quaternary marine incursions on the ultra-stable southern South African coast. *17th Congress of the International Quaternary Association (INQUA), 28 July-3 August, Cairns, Australia: Abstract: Quaternary International* 167-168, p. 345.
  49. Harvati, K. Panagopoulou, E., Karkanas, P., Frost, S.R., Athanassiou, A., Elefanti, P., Schrein, C., Baab, K., Henderson, E., Tourloukis E., and Garefalakis C. 2006. New findings of the Aliakmon Paleolithic Survey, Greece, 2004-2005. *XV Congress of UISPP, 2006, Lisbon, Portugal.*
  50. Koumouzelis, M., Sitaliv, V., Sobczyk, K., Mercier, N., Valladas, H. and Karkanas, P. 2006. Middle Palaeolithic Human Occupation in Cave 1 in Klissoura, Greece. *XV Congress of UISPP, 2006, Lisbon, Portugal.*
  51. Panagopoulou, E., Karkanas, P., Tsartsidou, G., Kotjabopoulou, E., Harvati, K., Elefanti, E., Ntinou, M. 2006. Late Pleistocene Archaeological and Fossil Human evidence from Lakonis Cave, Southern Greece. *XV Congress of UISPP, 2006, Lisbon, Portugal.*
  52. Bar-Matthews, M., Marean, C., Nilssen, P., Fisher, E., Herries, A., Karkanas, P. 2006. Paleoclimatic context of the origins of modern Humans in South Africa: based on speleothem isotopic records. *16<sup>th</sup> Annual V.M. Goldschmidt Conference, 2006, Melbourne, Australia.*
  53. Marean C.W., Bar-Matthews M., Goldberg P., Herries A., Jacobs Z., Karkanas P., Nilssen P.J. 2006. Recent results from archaeological and geological fieldwork at Pinnacle Point (Mossel Bay, South Africa). Annual Meeting of the Society for American Archaeology, San Juan, Puerto Rico, 2006.
  54. Marean C.W., Bar-Matthews M., Goldberg P., Herries A., Jacobs Z., Karkanas P., Nilssen P.J. 2005. Recent results from archaeological and geological fieldwork at Pinnacle Point (Mossel Bay, South Africa). *12th Panafrican Congress on Prehistory, Gaborone, Botswana, July 4-8, 2005.*
  55. Karkanas P., Panagopoulou E., Anoussis J. and Kyparissi-Apostolika N., 2003. Raw material procurement in the Middle Palaeolithic of Thessaly: Sourcing studies. *Abstracts of the 4<sup>th</sup> Symposium on Archaeometry of the Hellenic Society of Archaeometry, 28-31 May, 2003.*

56. Weiner S., Shahack-Gross R., Trueman C., Berna F., Matthews A., and Karkanas P., 2003. The completeness of the archaeological record: major impact of early chemical diagenesis. *Archaeological Science in U.K. April 2003, Oxford*.
57. Panagopoulou E., Harvati K., Karkanas P., Kotjabopoulou E., Ntinou M., and Tsartsidou G., 2003. New archaeological and fossil hominid evidence from the Late Pleistocene. *Abstracts of the Palaeoanthropological Society 2003 Meeting at Tempe Arizona, April 22-26 2003*.
58. Pavlopoulos K., Karkanas P., Triantaphyllou M, and Karymbalis E., 2002. Climate and sea level changes recorded in the coastal plain of Marathon (Greece). *IAG Working Group on Geoarchaeology. International Conference "Dymaniques environnementales et histoire en domaines méditerranéens" 24-26 April, Paris*.
59. Boaretto E., Mintz G., Heber O., Paul M., Karkanas P., and Weiner S., 2000. Radiocarbon dating of the Upper Palaeolithic charcoal-rich ash layers of Theopetra, Greece: A study of different sediment fractions and treatments. *Abstracts of the 17<sup>th</sup> International Radiocarbon Conference, June 18-23, 2000, Judean Hills, Israel*.

**Posters:**

60. Koromila, G., Karkanas, P., Harris, K., Kotzamani, G., Hamilakis, Y., Kyparissi-Apostolika, N. Humans, animals, and the landscape at Middle Neolithic Koutroulou Magoula: an approach through soil micromorphology and phytoliths. In *Communities, Landscapes and Interaction in Neolithic Greece*, International Conference, Rethymno 29-30 May 2014.
61. Tourloukis, V., Thompson, N., Garefalakis, Ch., Karkanas, P., Panagopoulou E., Harvati, K. 2014. New Middle Paleolithic sites from the Mani peninsula, southern Greece. In *XVII World UISPP Congress of Prehistoric and Protohistoric Sciences*, Burgos, Spain, September 1-7.
62. Strasser, T., Panagopoulou, E., Karkanas, P., Clinton, M., Kapranos, E., Thompon, N., Murray, S. 2014. The Excavation at Mesolithic Damnoni: The Discovery of a New Culture on Crete. In *AIA, 115<sup>th</sup> Annual Meeting*, Chicago, January 2-5.
63. Panagopoulou E., Karkanas, P., Tourloukis, V., Thompson, N., Garefalakis, Ch., Harvati, K. 2014. New data on the Middle Paleolithic occupation of Mani peninsula, southern Greece. In *International Conference on Coastal Landscapes, Mining Activities & Preservation of Cultural Heritage*, Milos Island, Greece, September, 17-20.
64. Harris, J., Bar-Matthews, Brink, J., Braun, K., Fisher, E., Jacobs, Z., Karkanas, P., Marean, C. 2014. Herolds Bay Cave: New Evidence for Middle Stone Age Coastal Adaptations in Cape Province, South Africa. In *23rd Annual Meetings of the Paleanthropology Society*, Calgary, Alberta, Canada, April 8-9.
65. Facorellis Y., Karkanas, P., Higham, T., Brock, F., Ntinou, M. and Kyparissi-Apostolika, N. 2012. Interpreting radiocarbon dates from the Palaeolithic layers of the Theopetra Cave in Thessaly, Greece. *21st International Radiocarbon Conference, Paris, France, 9 - 13 July 2012*.
66. Valladas H., Mercier N., Froget L., Joron J.L., Reyss J.L., Karkanas P., Panagopoulou E. and Kyparissi-Apostolika N. 2005. TL age-estimates for the Middle Palaeolithic layers at the Theopetra cave (Greece). *11th International Conference on Luminescence and Electron Spin Resonance dating (LED 2005), Cologne, 24 - 29 July 2005*.
67. Valladas H., Mercier N., Froget L., Joron J.L., Reyss J.L., Karkanas P., Panagopoulou E., Facorellis Y. and Kyparissi-Apostolika N., 2003. TL age of the



- Middle Palaeolithic layers from Theopetra cave (Greece). *4<sup>th</sup> Symposium on Archaeometry of the Hellenic Society of Archaeometry, 28-31 May, 2003.*
68. Colombini M., Carmigniani A., Frezzato, F. Olchini A., Brecolaki H., Vassilopoulou, V., and Karkanas P., 2002. Painted astragaloi from the cave of Nymphs on Mount Elikon: new evidence on ancient Greek polychromy. *33<sup>th</sup> International Symposium on Archaeometry, Amsterdam, 22-26 April, 2002.*