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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.

ADDITIONAL TRAINING

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.

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).

FELLOWSHIPS/SCHOLARSHIPS/HONORS

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

2010: Paper (Karkanis 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).

PROFESSIONAL APPOINTMENTS

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

2014-now: 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.

OTHER PROFESSIONAL AND LABORATORY RESEARCH EXPERIENCE

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, Dept. Geology, University of Athens, Greece.

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 Tournloukis (PhD received from University of Leiden).

Myrsini Gouma (PhD received, Vrije Universiteit, Amsterdam).

Nafsika-Chrysoula Andriopoulou (PhD current, Technical University of Crete).

Lucial Leierer (MSc received from Universität of Tübingen).

SERVICE / ADMINISTRATION

2014-: Committee member, Pomerance Science Medal Committee.

2014-: Member of Excavation and Survey Committee, American School of Classical Studies.

2014-: Member of the Managing Committee of INSTAP Study Center for East Crete.

2012-2014: Committee member, Mousiographic Design of Petralona Cave Museum.

2012-2013: Committee member, Mousiographical Study of Petralona Cave Museum.

2012-2013: Committee member, Touristic Development of Franchthi Cave.

1996-1997: Committee member, Touristic Development of Drakos Cave, Kastoria.

1996-1998: Committee member, Touristic Development of Maara Cave, Drama.

1996: Committee member, Touristic Development of Pramanta Cave, Ioannina.

EXTERNAL REVIEW COMMITTEE

2014: Geoarchaeology Section, Institute for Archaeological Science

EDITORIAL BOARDS

2007-now: *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)

JOURNAL REFEREE

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

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

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

FIELD/RESEARCH EXPERIENCE

- 2015-present: Molivoti, Thrace Archaeological Project (Classical-Hellenistic). Project Director: N. Arrington (Princeton University).
- 2015-present: Palace of Nestor, Pylos (Bronze Age). Project Directors: S. Stocker and J. Davies (University of Cincinnati).
- 2015-present: 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 Katja 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-present: Pelekita Cave, Crete (Neolithic-Bronze Age). Project Directors A. Kanta (CSCMC) and S. Ferrecne (INSTAP).
- 2013-present: Stelida, Naxos Island (Palaeolithic). Project Director: T. Carter (McMaster University).
- 2013-present: Delta Falirou cemetery (Archaic and Classical). Project Director: S. Chrisoulaki (ST EPKA, Greece).
- 2013-present: PAGE (Palaeoanthropology at the Gates of Europe), ERC project. Project Director K. Harvati (University of Tübingen).
- 2013: Katharo basin (Crete). Project Director E. Panagopoulou (EPS) in collaboration with K. Harvati (University of Tübingen).
- 2012-2013: Mavri Spilia, Kardamyli, Peloponnese (Palaeolithic). Project Director E. Panagopoulou (EPS) in collaboration with K. Harvati (University of Tübingen).

2012-present: Marathousa site 1, Megalopolis basin, Peloponnese (Lower Palaeolithic). Project Director E. Panagopoulou (EPS) in collaboration with K. Harvati (University of Tübingen).

2011-2015: Kokkinopilos (Palaeolithic) in collaboration with V. Tourloukis, Leiden University.

2010-2012: The Southern Albania Neolithic Archeological Project. Project Director: S. Allen (University of Cincinnati).

2010-present: Koutroulou (Neolithic). Project Directors: N. Kyparissi-Apostolika (EPS) and Y. Hamilakis (Univ. Southampton, UK).

2010-present: Alepotrypa Cave, Diros, Peloponnese (Neolithic). Collaboration between EPS and G. Papathanassopoulos.

2010-present. Melitzia Cave, Peloponnese (Palaeolithic). Project Director A. Darlas (EPS).

2010-present: Ouriakos, Lemnos Island (Epipalaeolithic). Project Director N. Efstratiou (University of Thessaloniki, Greece).

2009-present: Early Neolithic Roudias site, Xeros Rema, Pafos, Cyprus. Project Director N. Efstratiou (University of Thessaloniki, 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 Llona (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-present: 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-present: Lakonis Cave complex, Peloponnese (Palaeolithic). Project Director, E. Panagopoulou (EPS).
- 1996-2005: Kouveleiki caves, Peloponnese (Neolithic). Project Director E. Stravopodi (EPS).
- 1995-1999: Theoperta Cave (Paleolithic, Mesolithic, Neolithic), Thessaly, Greece. Project Director N. Kyparissi-Apostolika (EPS).
- 1995-1997: Boila rockshelter (Palaeolithic), Epirus, Greece. Project Director E. Kotjabopoulou (EPS).
- 1994-1997: Regional georcheological project in Alonnisos Island (Paleolithic, Mesolithic), Greece. Project Director, E. Panagopoulou (EPS).

INVITED LECTURES- GUEST SPEAKER

- 2016: Institute of Human Origin, Arizona University “*Reconstructing the history of archaeological sites through sediment micromorphology*”.
- 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 “*4th 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 “*3rd 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 co-author of over 100 scientific papers or chapters (20 of them and one book in Greek) and 60 oral presentations and posters in international conferences. More than 70 of the publications are in top peer review journals such as *Nature*, *PNAS*, *Journal of Human Evolution*, *Journal of Archeological Science*, *Geoarchaeology*, *Archaeological and Anthropological Sciences*, *Earth and Planetary Science Letters*, *Quaternary Science Reviews*, *Journal of Quaternary Science*, *Quaternary Geochronology*, *Quaternary International*, *Geomorphology*, *Radiocarbon*, *Antiquity*, *World Archeaeology* and *Hesperia*.

BIBLIOMETRY (Google Scholar)

h-index: 31

h-index since 2012: 28

Number of citation: 3502

I. Peer review journals

1. Gkouma M., Karkanias P., 2016. The physical environment in Northern Greece at the advent of the Neolithic. **Quaternary International** (in press).
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. Tsartsidou, G., Karkanas, 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.
 8. Friesem, D. Tsartsidou, G., Karkanas, 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.
 9. Karkanas, 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.
 10. Friesem, D., Karkanas, 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.
 11. Shahack-Gross, R., Berna, F., Karkanas, 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.
 12. 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.
 13. 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.
 14. 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.
 15. 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/propjall/efstratiou335.htm>.
 16. 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
 17. 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.
 18. 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.
19. 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.
 20. Tourloulakis, V., Karkanas, P. 2012a. The Middle Pleistocene record of Greece and the role of the Aegean in hominin dispersals: new data and interpretations. **Journal of Human Evolution** 43, 1-15.
 21. Tourloulakis, 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.
 22. 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.
 23. 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.
 24. 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.
 25. 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.
 26. 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.
 27. 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.
 28. 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.
 29. 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.
 30. 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.
 31. 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.
 32. 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.
33. 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.
 34. Karkanas, P. 2010. Preservation of anthropogenic materials under different geochemical processes: a mineralogical approach. **Quaternary International** 210, 63-69.
 35. 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.
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V. Presentations/Abstracts

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2. 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 35th International Geological Congress. 27 August - 4 September 2016, Cape Town, South Africa.
2 Parkinson W., Papathanassiou, A., Pullen, D., Karkanas, P., Galaty, M.L., Papathanassopoulos, G. 2016. The Diros project: Multidisciplinary investigations at Alepotrypa Cave and Ksagounaki promontory, 2010-2015. In AIA 2016 Annual Meeting, San Francisco, 6-9, January.
3. (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.
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21. (invited) Karkanas, P. 2012. Reconsiderations for Burial Contexts Based on Micromorphological Research: Approaches for Mycenaean Chamber Tombs. *3^o Conference ARCH_RNT*, University of Peloponnese, Kalamata, 3-5 Οκτωβρίου 2012.
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24. 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.
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30. (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.
31. 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.
32. (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.
33. (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.
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