

## 6ο Συμπόσιο Ελληνικής Αρχαιομετρικής Εταιρείας

Proceedings of the 6<sup>th</sup> Symposium of the Hellenic Society for Archaeometry, E. Photos-Jones (ed.), in collaboration with: Y. Bassiakos, E. Filippaki, A. Hein, I. Karatasios, V. Kilikoglou and E. Kouloumpi

BAR International Series 2780 2016

Preface.....V

### Part I: Archaeological Materials and Artefacts

1.	The ‘management’ of painted and monochrome pottery of Neolithic Thessaly, Central Greece: technology and provenance <i>Vasso Rondiri and Eleni Asderaki-Tzoumerkioti</i>	3
2.	Craftmanship of big storage pithoi in the Early Helladic settlement of Helike, Achaia <i>Dora Katsonopoulou, Ioannis Iliopoulos, Stella Katsarou and Vayia Xanthopoulou</i>	13
3.	The Riace bronzes: recent work on the clay cores <i>R. Jones, D. Brunelli, V. Cannavo, S. T. Levi and M. Vidale</i>	21
4.	Technical aspects of two Byzantine glazed relief pottery icons <i>George Mastrotheodoros, Konstantinos Beltsios, Yannis Bassiakos and Varvara Papadopoulou</i>	29
5.	Identification and diagnostic study of Neolithic beads from Kalyvia, Attica, applying Raman spectroscopy <i>E. Kougemitrou, G. Moraitou, S. Raftopoulou, G. Chela and K. Polykreti</i>	33
6.	Portable XRF analysis of glass <i>tesserae</i> from the House of Fourni in Delos, Greece <i>Francesca Licenziati and Thomas Calligaro</i>	41
7.	Research on the glass oinochoe in the Lambropoulos Private Collection <i>A. Thanos, S. Vindenko, D. Lampakis and P. Manoudis</i>	49
8.	Spectroscopic study of a historical glass collection from Thebes, Greece, by Raman and IR <i>E. Palamara, N. Zacharias, E. I. Kamitsos, A. Oikonomou, D. Palles and D. Möncke</i>	59
9.	Topographic multi-scale surface analysis for the study of stone celts’ polishing techniques <i>A. Boleti, H. Procopiou, H. Zahouani, R. Vargiolu and S. Mezghani</i>	65
10.	Did copper actually arrive in the Aeolian Islands in the fourth millennium B.C.? The evidence from a small but iconic fragment of vitreous material thought to be copper slag <i>Maria Clara Martinelli, Effie Photos-Jones and Sara Tiziana Levi</i>	73
11.	Selective use of arsenical copper during the Mycenaean period: the evidence from Pylia (Messenia, Greece) <i>Charilaos E. Tselios, Eleni Filippaki and Georgios S. Korres</i>	81
12.	Copper production during the Early Bronze Age at Aghios Antonios, Potos on Thasos <i>Nerantzis Nerantzis and Stratis Papadopoulos</i>	89
13.	A comparative study of Cypriot bronzes dated to the Late Bronze and the Early Iron Age <i>Andreas Charalambous, Vasiliki Kassianidou and George Papasavvas</i>	95

14.	Conservation of a silver coin hoard from the Geometric period Necropolis in Samos <i>Ioannis P. Staikopoulos</i>	101
15.	Gold inlay decoration on the blade of an iron sword from the Tomb A at Katerini <i>Vasiliki Michalopoulou, Barbara Smit-Douna and Ioannis Karapanagiotis</i>	107
16.	The so-called ‘hellicoidal’ ore washeries of Laurion: their actual function as circular mills in the process of beneficiation of silver and lead contained in old litharge stocks <i>George D. Papadimitriou</i>	113
17.	Technical and chemical examination of a small silver treasure dated to the 6 <sup>th</sup> -7 <sup>th</sup> century A.D. <i>D. Kotzamani and J. F. Merkel</i>	119
18.	Study of gold and silver finds from ancient Akathos, Chalkidiki, N. Greece <i>S. Vivdenko, E. Trakopoulou-Salakidou and P. Manoudis</i>	127
19.	Physico-chemical study of pigments from the prehistoric settlement of Ialysos, Rhodes <i>Yorgos Facorellis, Stamatis Boyatzis, Toula Marketou, Eleni Tziamourani and Eleni Ioakimoglou</i>	133
20.	The grounds of portable icons: written sources and scientific examination of post-Byzantine icons of Epirus <i>George Mastrotheodoros, Konstantinos G. Beltsios and Varvara Papadopoulou</i>	141
21.	Ground layers: a promising dating factor <i>E. Koloumpim, A. Rousaki, A. V. Terlix, A. P. Moutsatsou, G. S. Polymeris and K. M. Paraskevopoulos</i>	147
22.	Conservation methods of Edo period Japanese paper garment ‘Kamiko’ <i>Kyriaki Lentzi and Yorgos Facorellis</i>	153

## Part II: Archaeological Landscapes

23.	Landscape evolution in the Kifissos floodplain <i>E. D. Chiotis</i>	161
24.	Aiding and abetting the archaeological enquiry: geochemical work-in-progress at the site of San Vincenzo, Stromboli, Aeolian Islands, Italy <i>Andrea Di Renzoni, Gianna Ayala, Daniele Brunelli, Sara Tiziana Levi, Stefano Lugli, Effie Photos-Jones, Alberto Renzulli and Patrizia Santi</i>	167
25.	New geoarchaeological and palaeoenvironmental studies in Mani Peninsula (S. Peloponnesus) by employing luminescence dating techniques <i>I. Christodoulakis, C. Athanassas, Y. Bassiakos and C. Varotsos</i>	175
26.	A.Sho.Re. 2011-2015, SE Kephallenia in the Ionian Sea: investigating the geoarchaeology of the coastal zone <i>E. Yiannouli</i>	179
27.	The relationship between early settlements in arid environments and sources of water supply: the case of the Bronze Age site of San Vincenzo Stromboli, Italy <i>Andrea Di Renzoni, Leandro Lopes, Maria Clara Martinelli and Effie Photos-Jones</i>	187
28.	Reconstructing archaeo-landscapes: myth versus reality <i>A. Sarris, A. Chliaoutakis, S. Dederix and J. C. Donati</i>	195
29.	Luminescence dating and quartz grain surface features of Aeolian sediments from Agia Napa, Cyprus	201

	<i>E. Tsakalos, C. Athanassas and Y. Bassiakos</i>	
30.	Luminescence dating of Quaternary coastal deposits of Evoikos Gulf (Central Greece) <i>M. Kazantzaki, C. Athanassas, Y. Bassiakos and E. Tsakalos</i>	207
31.	Intangible Cultural Heritage and place <i>Despoina Karavia and Andreas Georgopoulos</i>	215
32.	The ayiasmata (holy springs) of Lemnos, NE Greece: an archaeo-hydrogeological study <i>E. Photos-Jones, E. Zagana and P. Roumelioti</i>	221