

Contents

Preface of the editors	9
<i>Alexandre Tarantola, Christophe Scheffer, Olivier Vanderhaeghe, Panagiotis Voudouris, Adonis Photiades, Denis Morin</i>	
Geologic and metallogenic overview of the Lavrion mining district: A guide for archaeological exploration.....	11
<i>James Ross, Panagiotis Voudouris, Vasiliос Melfos, Markos Vaxevanopoulos, Konstantinos Soukis, Kelly Merigot</i>	
What did the ancient Greeks mine at Laurion and when did they mine it?	27
<i>Markos Vaxevanopoulos, James Ross, Konstantinos Soukis, Panagiotis Voudouris, Vasiliос Melfos</i>	
Mapping the shafts of Laurion – Contribution to a new geological stratigraphy	47
<i>Eleni Andrikou, Eleni Papafloratou, Elena Tselepi</i>	
Keratea, Attica: Early Helladic silver-lead metallurgy and its pottery context.....	57
<i>Olga Kakavogianni, Kerasia Douni, Myrto Georgakopoulou</i>	
The cupellation of argentiferous lead in Mesogeia, East Attica, during the Final Neolithic/Early Bronze Age periods – The cupellation workshop at Lambrika	73
<i>George D. Papadimitriou</i>	
Cupellation and litharge in their technological context at Laurion, Attika (Greece) – From Prehistoric to Hellenistic and early Roman periods	87
<i>Margarita Nazou</i>	
The prehistoric finds from Mine 3 and their relationship to the Thorikos mining community	105
<i>Andreas Kapetanios</i>	
Ancient Laurion: Stages, phases and landscape	119
<i>Sophia Nomicos</i>	
The diachronic development of the Laurion mining landscape and its relation to process optimization in mining	143
<i>Hans Lohmann</i>	
Laurion – The present state and future scope of research	153
<i>Frank Hulek</i>	
The trial trenches at Ari/Charvalo in 2016 and the excavation by E. and O. Kakavogianni at Frankolimano Thorikou 1969/70: Preliminary results	175
<i>Roald F. Docter, Kim Van Liefferinge, Floris van den Ejnde, Cornelis Stal, Sophie Mortier, Winfred van de Put, Sophie Duchène</i>	
Last use and abandonment of the Cistern No. 1 ergasterion at Thorikos: Finds from the lowest levels of the cistern's fill.....	187
<i>Sophie Duchène</i>	
A Byzantine rotary hand mill in Thorikos	205

<i>Hélène Morin-Hamon</i>	
Flat-bedded washeries at Laurion (Greece): A budding model. A comparative study between archival and field evidence	213
<i>Nikiforos Meimarglou, Charalampos Mouzakis, Anna Kalagri, Andreas Kapetanios</i>	
Earthen and hydraulic mortars used at Lavrion during classical antiquity (5 th –4 th century BC) – A fundamental relationship between earthen building tradition and sophisticated hydraulic binders and concrete	235
<i>Effie Photos-Jones</i>	
Beyond the silver ‘owls’: Laurion lead and its contribution to synthetic lead-based minerals for the health care/medicines market (4 th century BC).....	247
<i>Christophe Flament</i>	
Fiscal and administrative aspects of the Laurion’s mining leases during the 4 th century BC	255
<i>Andreas Hauptmann</i>	
Glossary of special terms of geoscience, mining-archaeology and archaeometallurgy	265