

# Thasian Connections Overseas: Sculpture in the Cyrene Museum (Libya) Made of Dolomitic Marble from Thasos

---

Herrmann, John J.; Attanasio, Donato

*Source / Izvornik:* **ASMOSIA XI, Interdisciplinary Studies on Ancient Stone, Proceedings of the XI International Conference of ASMOSIA, 2018, 457 - 466**

**Conference paper / Rad u zborniku**

*Publication status / Verzija rada:* **Published version / Objavljena verzija rada (izdavačev PDF)**

<https://doi.org/10.31534/XI.asmosia.2015/02.30>

*Permanent link / Trajna poveznica:* <https://urn.nsk.hr/urn:nbn:hr:123:512687>

*Rights / Prava:* [In copyright / Zaštićeno autorskim pravom.](#)

*Download date / Datum preuzimanja:* **2024-05-20**



*Repository / Repozitorij:*

[FCEAG Repository - Repository of the Faculty of Civil Engineering, Architecture and Geodesy, University of Split](#)



UNIVERSITY OF SPLIT

  
DIGITALNI AKADEMSKI ARHIVI I REPOZITORIJI



# ASMOSIA XI

Interdisciplinary Studies on Ancient Stone

## PROCEEDINGS

of the XI ASMOSIA Conference, Split 2015

Edited by Daniela Matetić Poljak and Katja Marasović



Interdisciplinary Studies on Ancient Stone  
Proceedings of the XI ASMOSIA Conference (Split 2015)

Publishers:

ARTS ACADEMY IN SPLIT  
UNIVERSITY OF SPLIT

and

UNIVERSITY OF SPLIT  
FACULTY OF CIVIL ENGINEERING,  
ARCHITECTURE AND GEODESY

Technical editor:  
Kate Bošković

English language editor:  
Graham McMaster

Computer pre-press:  
Nikola Križanac

Cover design:  
Mladen Čulić

Cover page:

*Sigma shaped mensa of pavonazzetto marble from Diocletian's palace in Split*

ISBN 978-953-6617-49-4 (Arts Academy in Split)

ISBN 978-953-6116-75-1 (Faculty of Civil Engineering, Architecture and Geodesy)

e-ISBN 978-953-6617-51-7 (Arts Academy in Split)

e-ISBN 978-953-6116-79-9 (Faculty of Civil Engineering, Architecture and Geodesy)

CIP available at the digital catalogue of the University Library in Split, no 170529005



Association for the Study of Marble & Other Stones in Antiquity

# ASMOSIA XI

## Interdisciplinary Studies of Ancient Stone

Proceedings of the Eleventh International Conference of ASMOSIA,  
Split, 18–22 May 2015

Edited by  
Daniela Matetić Poljak  
Katja Marasović



Split, 2018

**Nota bene**

All papers are subjected to an international review.

The quality of the images relies on the quality of the originals provided by the authors.

# CONTENT

<b>PRESENTATION .....</b>	<b>15</b>
<b>NECROLOGY: NORMAN HERZ (1923-2013) by Susan Kane .....</b>	<b>17</b>
<b>1. APPLICATIONS TO SPECIFIC ARCHEOLOGICAL QUESTIONS – USE OF MARBLE</b>	
Hermaphrodites and Sleeping or Reclining Maenads: Production Centres and Quarry Marks <i>Patrizio Pensabene</i> .....	25
First Remarks about the Pavement of the Newly Discovered Mithraeum of the Colored Marbles at Ostia and New Investigations on Roman and Late Roman White and Colored Marbles from Insula IV, IX <i>Massimiliano David, Stefano Succi and Marcello Turci</i> .....	33
Alabaster. Quarrying and Trade in the Roman World: Evidence from Pompeii and Herculaneum <i>Simon J. Barker and Simona Perna</i> .....	45
Recent Work on the Stone at the Villa Arianna and the Villa San Marco (Castellammare di Stabia) and Their Context within the Vesuvian Area <i>Simon J. Barker and J. Clayton Fant</i> .....	65
Marble Wall Decorations from the Imperial Mausoleum (4 <sup>th</sup> C.) and the Basilica of San Lorenzo (5 <sup>th</sup> C.) in Milan: an Update on Colored Marbles in Late Antique Milan <i>Elisabetta Neri, Roberto Bugini and Silvia Gazzoli</i> .....	79
Sarcophagus Lids Sawn from their Chests <i>Dorothy H. Abramitis and John J. Herrmann</i> .....	89
The Re-Use of Monolithic Columns in the Invention and Persistence of Roman Architecture <i>Peter D. De Staebler</i> .....	95
The Trade in Small-Size Statues in the Roman Mediterranean: a Case Study from Alexandria <i>Patrizio Pensabene and Eleonora Gasparini</i> .....	101
The Marble Dedication of Komon, Son of Asklepiades, from Egypt: Material, Provenance, and Reinforcement of Meaning <i>Patricia A. Butz</i> .....	109
Multiple Reuse of Imported Marble Pedestals at Caesarea Maritima in Israel <i>Barbara Burrell</i> .....	117
Iasos and Iasian Marble between the Late Antique and Early Byzantine Eras <i>Diego Peirano</i> .....	123

Thassos, Known Inscriptions with New Data <i>Tony Kozelj and Manuela Wurch-Kozelj</i> .....	131
The Value of Marble in Roman <i>Hispalis</i> : Contextual, Typological and Lithological Analysis of an Assemblage of Large Architectural Elements Recovered at N° 17 Goyeneta Street (Seville, Spain) <i>Ruth Taylor, Oliva Rodríguez, Esther Ontiveros, María Luisa Loza, José Beltrán and Araceli Rodríguez</i> .....	143
<i>Giallo Antico</i> in Context. Distribution, Use and Commercial Actors According to New Stratigraphic Data from the Western Mediterranean (2 <sup>nd</sup> C. Bc – Late 1 <sup>st</sup> C. Ad) <i>Stefan Ardeleanu</i> .....	155
<i>Amethystus</i> : Ancient Properties and Iconographic Selection <i>Luigi Pedroni</i> .....	167
<b>2. PROVENANCE IDENTIFICATION I: (MARBLE)</b>	
Unraveling the Carrara – Göktepe Entanglement <i>Walter Prochaska, Donato Attanasio and Matthias Bruno</i> .....	175
The Marble of Roman Imperial Portraits <i>Donato Attanasio, Matthias Bruno, Walter Prochaska and Ali Bahadır Yavuz</i> .....	185
Tracing Alabaster (Gypsum or Anhydrite) Artwork Using Trace Element Analysis and a Multi-Isotope Approach (Sr, S, O) <i>Lise Leroux, Wolfram Kloppmann, Philippe Bromblet, Catherine Guerrot, Anthony H. Cooper, Pierre-Yves Le Pogam, Dominique Vingtain and Noel Worley</i> .....	195
Roman Monolithic Fountains and Thasian Marble <i>Annewies van den Hoek, Donato Attanasio and John J. Herrmann</i> .....	207
Archaeometric Analysis of the Alabaster Thresholds of Villa A, Oplontis (Torre Annunziata, Italy) and New Sr and Pb Isotopic Data for <i>Alabastro Ghiaccione del Circeo</i> <i>Simon J. Barker, Simona Perna, J. Clayton Fant, Lorenzo Lazzarini and Igor M. Villa</i> .....	215
Roman Villas of Lake Garda and the Occurrence of Coloured Marbles in the Western Part of “Regio X Venetia et Histria” (Northern Italy) <i>Roberto Bugini, Luisa Folli and Elisabetta Roffia</i> .....	231
Calcitic Marble from Thasos in the North Adriatic Basin: Ravenna, Aquileia, and Milan <i>John J. Herrmann, Robert H. Tykot and Annewies van den Hoek</i> .....	239
Characterisation of White Marble Objects from the Temple of Apollo and the House of Augustus (Palatine Hill, Rome) <i>Francesca Giustini, Mauro Brilli, Enrico Gallochio and Patrizio Pensabene</i> .....	247
Study and Archeometric Analysis of the Marble Elements Found in the Roman Theater at Aeclanum (Mirabella Eclano, Avellino - Italy) <i>Antonio Mesisca, Lorenzo Lazzarini, Stefano Cancelliere and Monica Salvadori</i> .....	255

Two Imperial Monuments in Puteoli: Use of Proconnesian Marble in the Domitianic and Trajanic Periods in Campania <i>Irene Bald Romano, Hans Rupprecht Goette, Donato Attanasio and Walter Prochaska</i> .....	267
Coloured Marbles in the Neapolitan Pavements (16 <sup>th</sup> And 17 <sup>th</sup> Centuries): the Church of <i>Santi Severino e Sossio</i> <i>Roberto Bugini, Luisa Folli and Martino Solito</i> .....	275
Roman and Early Byzantine Sarcophagi of Calcitic Marble from Thasos in Italy: Ostia and Siracusa <i>Donato Attanasio, John J. Herrmann, Robert H. Tykot and Annewies van den Hoek</i> .....	281
Revisiting the Origin and Destination of the Late Antique Marzamemi 'Church Wreck' Cargo <i>Justin Leidwanger, Scott H. Pike and Andrew Donnelly</i> .....	291
The Marbles of the Sculptures of Felix Romuliana in Serbia <i>Walter Prochaska and Maja Živić</i> .....	301
Calcitic Marble from Thasos and Proconnesos in Nea Anchialos (Thessaly) and Thessaloniki (Macedonia) <i>Vincent Barbin, John J. Herrmann, Aristotle Mentzos and Annewies van den Hoek</i> .....	311
Architectural Decoration of the Imperial Agora's Porticoes at Iasos <i>Fulvia Bianchi, Donato Attanasio and Walter Prochaska</i> .....	321
The Winged Victory of Samothrace - New Data on the Different Marbles Used for the Monument from the Sanctuary of the Great Gods <i>Annie Blanc, Philippe Blanc and Ludovic Laugier</i> .....	331
Polychrome Marbles from the Theatre of the Sanctuary of Apollo Pythios in Gortyna (Crete) <i>Jacopo Bonetto, Nicolò Mareso and Michele Bueno</i> .....	337
Paul the Silentiary, Hagia Sophia, Onyx, Lydia, and Breccia Corallina <i>John J. Herrmann and Annewies van den Hoek</i> .....	345
Incrustations from Colonia Ulpia Traiana (Near Modern Xanten, Germany) <i>Vilma Ruppinić and Ulrich Schüssler</i> .....	351
Stone Objects from Vindobona (Austria) – Petrological Characterization and Provenance of Local Stone in a Historico-Economical Setting <i>Andreas Rohatsch, Michaela Kronberger, Sophie Insulander, Martin Mosser and Barbara Hodits</i> .....	363
Marbles Discovered on the Site of the Forum of Vaison-la-Romaine (Vaucluse, France): Preliminary Results <i>Elsa Roux, Jean-Marc Mignon, Philippe Blanc and Annie Blanc</i> .....	373
Updated Characterisation of White Saint-Béat Marble. Discrimination Parameters from Classical Marbles <i>Hernando Royo Plumed, Pilar Lapeunte, José Antonio Cuchí, Mauro Brilli and Marie-Claire Savin</i> .....	379

Grey and Greyish Banded Marbles from the Estremoz Anticline in Lusitania <i>Pilar Lapuente, Trinidad Nogales-Basarrate, Hernando Royo Plumed, Mauro Brilli and Marie-Claire Savin</i> .....	391
New Data on Spanish Marbles: the Case of <i>Gallaecia</i> (NW Spain) <i>Anna Gutiérrez García-M., Hernando Royo Plumed and Silvia González Soutelo</i> .....	401
A New Roman Imperial Relief Said to Be from Southern Spain: Problems of Style, Iconography, and Marble Type in Determining Provenance <i>John Pollini, Pilar Lapuente, Trinidad Nogales-Basarrate and Jerry Podany</i> .....	413
Reuse of the <i>Marmora</i> from the Late Roman Palatial Building at Carranque (Toledo, Spain) in the Visigothic Necropolis <i>Virginia García-Entero, Anna Gutiérrez García-M. and Sergio Vidal Álvarez</i> .....	427
Imperial Porphyry in Roman Britain <i>David F. Williams</i> .....	435
Recycling of Marble: Apollonia/Sozousa/Arsuf (Israel) as a Case Study <i>Moshe Fischer, Dimitris Tambakopoulos and Yannis Maniatis</i> .....	443
Thasian Connections Overseas: Sculpture in the Cyrene Museum (Libya) Made of Dolomitic Marble from Thasos <i>John J. Herrmann and Donato Attanasio</i> .....	457
Marble on Rome's Southwestern Frontier: Thamugadi and Lambaesis <i>Robert H. Tykot, Ouahiba Bouzidi, John J. Herrmann and Annewies van den Hoek</i> .....	467
Marble and Sculpture at Lepcis Magna (Tripolitania, Libya): a Preliminary Study Concerning Origin and Workshops <i>Luisa Musso, Laura Buccino, Matthias Bruno, Donato Attanasio and Walter Prochaska</i> .....	481
The Pentelic Marble in the Carnegie Museum of Art Hall of Sculpture, Pittsburgh, Pennsylvania <i>Albert D. Kollar</i> .....	491
Analysis of Classical Marble Sculptures in the Michael C. Carlos Museum, Emory University, Atlanta <i>Robert H. Tykot, John J. Herrmann, Renée Stein, Jasper Gaunt, Susan Blevins and Anne R. Skinner</i> .....	501
<b>3. PROVENANCE IDENTIFICATION II: (OTHER STONES)</b>	
Aphrodisias and the Regional Marble Trade. The <i>Scaenae Frons</i> of the Theatre at Nysa <i>Natalia Toma</i> .....	513
The Stones of Felix Romuliana (Gamzigrad, Serbia) <i>Bojan Djurić, Divna Jovanović, Stefan Pop Lazić and Walter Prochaska</i> .....	523
Aspects of Characterisation of Stone Monuments from Southern Pannonia <i>Branka Migotti</i> .....	537



The Budakalász Travertine Production <i>Bojan Djurić, Sándor Kele and Igor Rižnar</i> .....	545
Stone Monuments from Carnuntum and Surrounding Areas (Austria) – Petrological Characterization and Quarry Location in a Historical Context <i>Gabrielle Kremer, Isabella Kitz, Beatrix Moshhammer, Maria Heinrich and Erich Draganits</i> .....	557
Espejón Limestone and Conglomerate (Soria, Spain): Archaeometric Characterization, Quarrying and Use in Roman Times <i>Virginia García-Entero, Anna Gutiérrez García-M, Sergio Vidal Álvarez, María J. Peréz Agorreta and Eva Zarco Martínez</i> .....	567
The Use of Alcover Stone in Roman Times ( <i>Tarraco, Hispania Citerior</i> ). Contributions to the <i>Officina Lapidaria Tarraconensis</i> <i>Diana Gorostidi Pi, Jordi López Vilar and Anna Gutiérrez García-M.</i> .....	577
<b>4. ADVANCES IN PROVENANCE TECHNIQUES, METHODOLOGIES AND DATABASES</b>	
Grainautline – a Supervised Grain Boundary Extraction Tool Supported by Image Processing and Pattern Recognition <i>Kristóf Csorba, Lilla Barancsik, Balázs Székely and Judit Zöldföldi</i> .....	587
A Database and GIS Project about Quarrying, Circulation and Use of Stone During the Roman Age in <i>Regio X - Venetia et Histria</i> . The Case Study of the Euganean Trachyte <i>Caterine Prevato and Arturo Zara</i> .....	597
<b>5. QUARRIES AND GEOLOGY</b>	
The Distribution of Troad Granite Columns as Evidence for Reconstructing the Management of Their Production <i>Patrizio Pensabene, Javier Á. Domingo and Isabel Rodà</i> .....	613
Ancient Quarries and Stonemasonry in Northern Choria Considiana <i>Hale Güney</i> .....	621
Polychromy in Larisaeon Quarries and its Relation to Architectural Conception <i>Gizem Mater and Ertunç Denktaş</i> .....	633
Euromos of Caria: the Origin of an Hitherto Unknown Grey Veined Stepped Marble of Roman Antiquity <i>Matthias Bruno, Donato Attanasio, Walter Prochaska and Ali Bahadır Yavuz</i> .....	639
Unknown Painted Quarry Inscriptions from Bacakale at <i>Docimium</i> (Turkey) <i>Matthias Bruno</i> .....	651
The Green Schist Marble Stone of Jebel El Hairech (North West of Tunisia): a Multi-Analytical Approach and its Uses in Antiquity <i>Ameur Younès, Mohamed Gaied and Wissem Gallala</i> .....	659
Building Materials and the Ancient Quarries at <i>Thamugadi</i> (East of Algeria), Case Study: Sandstone and Limestone <i>Younès Rezkallah and Ramdane Marmi</i> .....	673

The Local Quarries of the Ancient Roman City of <i>Valeria</i> (Cuenca, Spain) <i>Javier Atienza Fuente</i> .....	683
The Stone and Ancient Quarries of Montjuïc Mountain (Barcelona, Spain) <i>Aureli Álvarez</i> .....	693
<i>Notae Lapidinarum</i> : Preliminary Considerations about the Quarry Marks from the Provincial Forum of <i>Tarraco</i> <i>Maria Serena Vinci</i> .....	699
The Different Steps of the Rough-Hewing on a Monumental Sculpture at the Greek Archaic Period: the Unfinished Kouros of Thasos <i>Danièle Braunstein</i> .....	711
A Review of Copying Techniques in Greco-Roman Sculpture <i>Séverine Moureaud</i> .....	717
Labour Forces at Imperial Quarries <i>Ben Russell</i> .....	733
Social Position of Craftsmen inside the Stone and Marble Processing Trades in the Light of Diocletian's Edict on Prices <i>Krešimir Bosnić and Branko Matulić</i> .....	741
<b>6. STONE PROPERTIES, WEATHERING EFFECTS AND RESTORATION, AS RELATED TO DIAGNOSIS PROBLEMS, MATCHING OF STONE FRAGMENTS AND AUTHENTICITY</b>	
Methods of Consolidation and Protection of Pentelic Marble <i>Maria Apostolopoulou, Elissavet Drakopoulou, Maria Karoglou and Asterios Bakolas</i> .....	749
<b>7. PIGMENTS AND PAINTINGS ON MARBLE</b>	
Painting and Sculpture Conservation in Two Gallo-Roman Temples in Picardy (France): Champlieu and Pont-Sainte-Maxence <i>Véronique Brunet-Gaston and Christophe Gaston</i> .....	763
The Use of Colour on Roman Marble Sarcophagi <i>Eliana Siotto</i> .....	773
New Evidence for Ancient Gilding and Historic Restorations on a Portrait of Antinous in the San Antonio Museum of Art <i>Jessica Powers, Mark Abbe, Michelle Bushey and Scott H. Pike</i> .....	783
Schists and Pigments from Ancient Swat (Khyber Pukhtunkhwa, Pakistan) <i>Francesco Mariottini, Gianluca Vignaroli, Maurizio Mariottini and Mauro Roma</i> .....	793
<b>8. SPECIAL THEME SESSION: „THE USE OF MARBLE AND LIMESTONE IN THE ADRIATIC BASIN IN ANTIQUITY”</b>	
Marble Sarcophagi of Roman Dalmatia Material – Provenance – Workmanship <i>Guntram Koch</i> .....	809

Funerary Monuments and Quarry Management in Middle Dalmatia <i>Nenad Cambi</i> .....	827
Marble Revetments of Diocletian's Palace <i>Katja Marasović and Vinka Marinković</i> .....	839
The Use of Limestones as Construction Materials for the Mosaics of Diocletian's Palace <i>Branko Matulić, Domagoj Mudronja and Krešimir Bosnić</i> .....	855
Restoration of the Peristyle of Diocletian's Palace in Split <i>Goran Nikšić</i> .....	863
Marble Slabs Used at the Archaeological Site of Sorna near Poreč Istria – Croatia <i>Đeni Gobić-Bravar</i> .....	871
Ancient Marbles from the Villa in Verige Bay, Brijuni Island, Croatia <i>Mira Pavletić and Đeni Gobić-Bravar</i> .....	879
Notes on Early Christian Ambos and Altars in the Light of some Fragments from the Islands of Pag and Rab <i>Mirja Jarak</i> .....	887
The Marbles in the Chapel of the Blessed John of Trogir in the Cathedral of St. Lawrence at Trogir <i>Đeni Gobić-Bravar and Daniela Matetić Poljak</i> .....	899
The Use of Limestone in the Roman Province of Dalmatia <i>Edisa Lozić and Igor Rižnar</i> .....	915
The Extraction and Use of Limestone in Istria in Antiquity <i>Klara Buršić-Matijašić and Robert Matijašić</i> .....	925
Aurisina Limestone in the Roman Age: from Karst Quarries to the Cities of the Adriatic Basin <i>Caterina Previato</i> .....	933
The Remains of Infrastructural Facilities of the Ancient Quarries on Zadar Islands (Croatia) <i>Mate Parica</i> .....	941
The Impact of Local Geomorphological and Geological Features of the Area for the Construction of the Burnum Amphitheatre <i>Miroslav Glavičić and Uroš Stepišnik</i> .....	951
Roman Quarry Klis Kosa near Salona <i>Ivan Alduk</i> .....	957
Marmore Lavdata Brattia <i>Miona Miliša and Vinka Marinković</i> .....	963
Quarries of the Lumbarda Archipelago <i>Ivka Lipanović and Vinka Marinković</i> .....	979

Island of Korčula – Importer and Exporter of Stone in Antiquity <i>Mate Parica and Igor Borzić</i> .....	985
Faux Marbling Motifs in Early Christian Frescoes in Central and South Dalmatia: Preliminary Report <i>Tonči Borovac, Antonija Gluhan and Nikola Radošević</i> .....	995
<b>INDEX OF AUTHORS</b> .....	1009

# THASIAN CONNECTIONS OVERSEAS: SCULPTURE IN THE CYRENE MUSEUM (LIBYA) MADE OF DOLOMITIC MARBLE FROM THASOS

John J. Herrmann<sup>1</sup> and Donato Attanasio<sup>2</sup>

<sup>1</sup> Museum of Fine Arts, Boston, Massachusetts, United States (jherrmannjr@gmail.com)

<sup>2</sup> Istituto di Struttura della Materia, Consiglio Nazionale delle Ricerche (ISM-CNR), Rome, Italy (donato.attanasio@ism.cnr.it)

## Abstract

Multi-method analysis has previously established that four out of 200 statues in Cyrene are dolomitic marble from the northern Aegean island of Thasos. Art historical analysis shows that three of the four are careful replicas of famous Greek prototypes, made by copying plaster casts of the originals. The fourth is a free interpretation of a now-obscure prototype. In two cases it seems likely that a workshop connected to Athens and Crete carved the Thasian marble, probably in Cyrene. Sculptors with a connection to Thasos may have been involved in finishing some or all of the sculptures, but the evidence is fragile.

## Keywords

copies, regional workshops, stylistic adaptation

## Points of departure and methodology

Donato Attanasio has made a provenance study of over 200 sculptures in the Cyrene Museum, Libya, and he has been kind enough to inform me that four female statues proved to be carved in dolomitic marble from Cape Vathy on Thasos.<sup>1</sup> In his study Dr. Attanasio made use of isotopic analysis, paramagnetic resonance spectroscopy (EPR), maximum grain size (MGS), and color assessment.

Coarse-grained dolomitic marble from Thasos tends to be rare everywhere outside of its own northern Aegean neighborhood, and in distant markets was rarely used for reliefs or architectural ornament. It was used for about 4% of the statues, statuettes, and sarcophagi in Rome,<sup>2</sup> and less than 2% of those in Cyrene, according to Attanasio's study. In a sense, this rarity is surprising, since Thasian dolomitic marble was the whitest of ancient marbles.<sup>3</sup> Dolomite

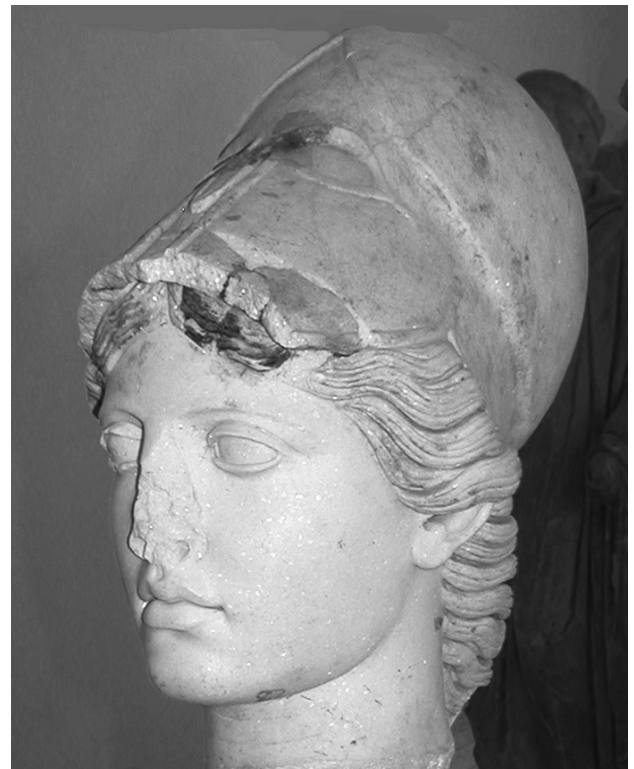


Fig. 1. Head of Athena of the Velletri type, marble from Cape Vathy, Thasos, first century CE, Cyrene Museum

and dolomitic marble, however, are harder than calcite and calcitic marble: 3.5-4 as compared to 3 on the Mohs scale. This made Thasian sculptural marble more difficult to work than the usual calcitic marble. This difficulty may have given experienced sculptors from Thasos an advantage, and the question arises whether Thasian sculptors had a role beyond that of extracting the blocks from the quarries.

## Statues and a statuette in Cyrene

Three of the Thasian statues in Cyrene are exact replicas of types known elsewhere. One, a dolomitic marble head of Athena wearing a Corinthian helmet (Fig. 1), is a full-size replica of the head of the colossal Athena in the Louvre from Velletri near Rome (Figs. 2-3). The Louvre colossus (height 3.05 m) is also dolomitic marble from

1 ATTANASIO *et al.* 2006; ATTANASIO *et al.* 2009.

2 HERRMANN *et al.* 2014.

3 ATTANASIO 2003.





Fig. 2-3. Athena from Velletri, marble from Cape Vathy, Thasos, Augustan, Louvre (photo: A. van den Hoek)

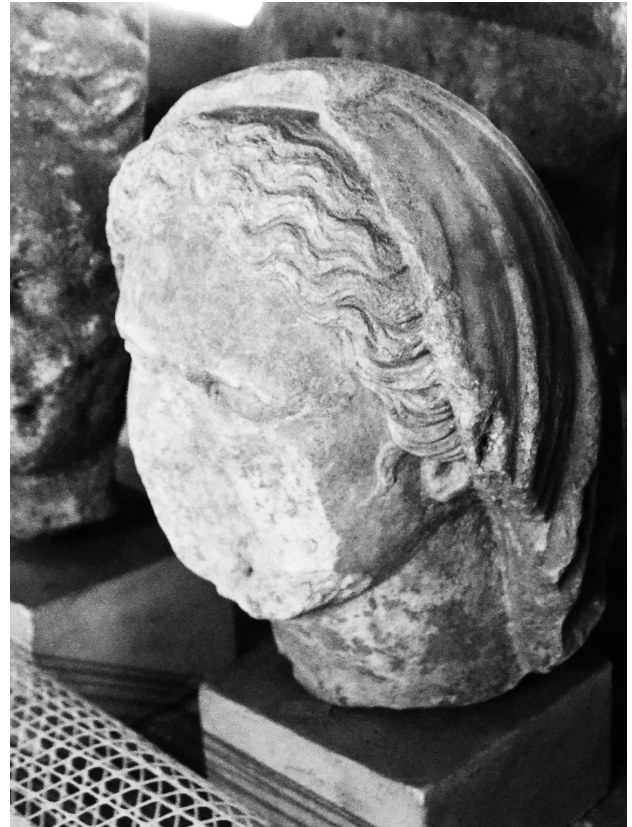


Fig. 4. Head of a woman, probably marble from Cape Vathy, Thasos, late first century BCE? Thasos Museum (photo: A. van den Hoek)

Thasos.<sup>4</sup> Two more colossal replicas of the Velletri Athena are also made of Thasian marble; one is in Rome and another in New Haven, Connecticut.<sup>5</sup> Evelyn Harrison lists 16 colossal examples of the Velletri type,<sup>6</sup> and the new Cyrene piece makes a total of 17. The four proven Thasian pieces make up 23.5% of the total, which is far above the usual Thasian percentage of 4% of a given group of statues. Christa Landwehr has dated the *colossi* as a group to Augustan times.<sup>7</sup> There clearly was an unusually strong inclination to use Thasian marble for this subject. Its pure white color was probably one of the attractions, but the question remains why Thasian dolomite was especially popular in the particular case of the Velletri Athenas.

Most scholars have thought that the prototype for the Velletri Athenas would have been a statue in Athens and that Athens was probably the center from which these

4 HERRMANN, NEWMAN 1995; HERRMANN *et al.* 2009, 539, fig. 10; CALLIGARO *et al.* 2013.

5 HARRISON 1977, 150-153, figs. 9-11.

6 HARRISON 1977; LANDWEHR, SCHUCHHARDT 1985, 76-88, pl. 44.

7 LANDWEHR, SCHUCHHARDT 1985, 86-87.





Fig. 5. Head of a youth, probably Pentelic marble, Corinth Museum, S-425 (photo: A. van den Hoek)

replicas were diffused. The great size of these sculptures raises the possibility that they were largely shaped in the quarries, as was the case with other colossal statues, such as the Dacian Prisoners from the Docimium quarries.<sup>8</sup> The actual carving of the examples of the Athena Velletri from Italy, however, was evidently performed in Italy itself, the sculptors working from plaster casts; fragments of casts of the Velletri Athena and other famous types have been found at Baia on the Bay of Naples.<sup>9</sup> As well as for its whiteness, Thasian marble may have been favored for these colossal statues because large blocks were relatively available on Thasos and because these statues were luxury productions. The colossal Velletri Athenas were high quality works of exceptional size, for which the added effort and (presumably) expense of carving the hard Thasian dolomite would have been a less significant obstacle than usual. The Athenian connection might also have played a role in the choice of marbles; many of the Velletri Athenas have been identified by eye as Pentelic, the marble most closely associated with Athens. Thasos could have been considered an associated or, at least, a similarly Greek marble source.

The Cyrene head has some distinctive features within the group of Velletri Athenas. Most of the examples from the area around Rome, including the Velletri

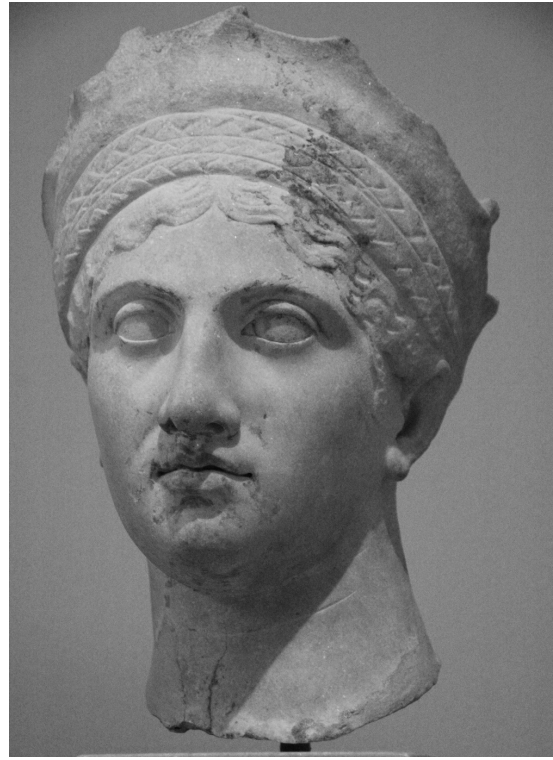


Fig. 6. Portrait of a woman as Venus, perhaps the Empress Sabina, marble from Cape Vathy, Thasos, ca. 120-130 CE, National Archaeological Museum, Athens, inv. No. 357 (photo: A. van den Hoek)

Athena herself (Fig. 3), have more smoothly rounded strands of hair. The locks of the Cyrene Athena's hair are flatter, more sharply chiseled surfaces separated by drill channels. This treatment can be found on Thasos itself, as in a battered head of a veiled woman (Fig. 4, unpublished?), or in works of Thasians overseas, as in a dolomitic head of Aphrodite at Rome.<sup>10</sup> The large eyes are hard to parallel on Thasos, but they can be found in sculptures near to or connected with Athens. Large eyes appear in a head of a youth in Corinth (Fig. 5) and in an idealized portrait from Crete (Fig. 6). The comparison with the Cyrene Athena is particularly strong in the case of the Cretan head since, like the Cyrene Athena, the lips are full, the surfaces are metallic, and the marble is also Thasian dolomite.<sup>11</sup> The two are similar enough to have been products of the same workshop. The Cretan portrait has a "turban" hairstyle common from about 120-140.<sup>12</sup> With its large eyes and more chiseled hair, it

8 WAELEKENS 1985.

9 LANDWEHR, SCHUCHHARDT 1985, 88-93, pls. 44-53.

10 HERRMANN, NEWMAN 2002, 222-223, figs. 17-18.

11 Inv. 357: HERRMANN, NEWMAN 2002, 216; RHOMIOPOULOU 1997, 71, cat. no. 70; KALTZAS 2002, 338 cat. no. 714. The face may have been polished in modern times.

12 DE KERSAUSON 1996, 174-188, cat. nos. 73-80.



Fig. 7. Head of Athena, Velletri type, marble unknown, Cyrene Museum, inv. 14.180 (photo: from PARIBENI 1959, cat. no. 127)

seems evident that the Athena in Cyrene represents a distinctive “Eastern” or Greek approach within the Velletri group, and it probably was carved by a workshop connected with Athens that was active not only in Cyrene but also in the nearby province of Crete. The emphatic, metallic, Classicising style of the Athena in Cyrene and the Cretan portrait also has a parallel on Thasos in the head of Alexander.<sup>13</sup> It is even plausible that the Cyrene Athena and the Cretan portrait were carved by a sculptor from northern Greece who had a period of training in Athens.

Cyrene has another head of the Velletri Athena, which is again colossal (height 51 cm) but otherwise very different. Enrico Paribeni has characterized it as rough and provincial (Fig. 7).<sup>14</sup> Cyrene generally has sophisticated sculpture and lacks rustic works directly comparable to this. The sharply chiseled locks, the complete lack of drill-work, and the symmetrical, pointed oval



Fig. 8. Kore of the Torlonia-Hierapytna type, marble from Cape Vathy, Thasos, early Antonine? Cyrene Museum, inv. 77-940, from the Extramural Sanctuary of Demeter and Kore (photo: from KANE, REYNOLDS 1985, fig. 1)



Fig. 9. Kore of the Torlonia-Hierapytna type, marble from Cape Vathy, Thasos, early Antonine? Cyrene Museum, inv. 77-940, from the Extramural Sanctuary of Demeter and Kore (photo: from KANE, REYNOLDS 1985, fig. 2)

13 Inv. I.3719: BLONDÉ, MULLER, MULLIEZ 1987, 34, fig. 6; KOUKOULI-CHRYSAANTHAKI 1988; HERRMANN, NEWMAN 2002, 222, fig. 19.

14 Inv. 14.180: PARIBENI 1959, cat. no. 127.





Fig. 10. Nemesis of the Torlonia-Hierapytna type, probably Pentelic marble, 2<sup>nd</sup> century, from the west end of the Forum, Corinth, Corinth Museum, S-427 (photo: A. van den Hoek)

(lens-shaped) eyes are entirely compatible with many simple and rustic sculptures in the Thasos Museum. Although the marble type is unknown, it seems possible that this is a work by a sculptor from Thasos who lacked not only talent but also training in Athens.

A female statue of Thasian marble at Cyrene (Fig. 8-9) was formerly identified as Pentelic marble because of an overlap in the isotopic fields of Thasos and Mt. Pentelicon.<sup>15</sup> Since it is dolomitic rather than calcitic marble, the Thasian option is clearly correct.<sup>16</sup> The statue belongs to the Torlonia-Hierapytna type, which is known from four other copies, none of which seem to be Thasian marble.<sup>17</sup> One in Corinth appears optically to be Pentelic marble (Fig. 10), and the three others are made of unknown marbles that do not appear to be Thasian. The figure was used to represent a variety of

goddesses. In Cyrene the inscription on the base tells us that she is Kore (Persephone). In Hierapytna, Crete, the figure represented Artemis the archeress; the strap for her quiver is visible in front view. In Corinth, she was Nemesis, the goddess of divine retribution, with the remains of her wheel of fortune beside her (Fig. 10). Two examples in Rome do not preserve any distinctive attributes or inscriptions. The iconographic changeability of the Torlonia-Hierapytna type indicates that it is a stock figure rather than a very famous masterpiece that could not be altered.<sup>18</sup> Nonetheless, the prototype, which has been dated to about 460 BCE and probably stood in a temple in Greece, was repeated rather faithfully (except for the attributes) in the various versions, all of which probably belong to the second century CE.<sup>19</sup> The Kore in Cyrene seems to be a slightly more luxurious version of the figure than the others. It is wider, and the others seem narrower and meager. The Corinthian piece has conspicuously simpler drapery (Fig. 10). The Cyrene piece is particularly notable for the undulating wrinkles of the *chiton* on the right side at the waist just above the himation (Fig. 9). This technique seems to go back to the lush, crinkly drapery often used in Classical Athenian sculpture, as in the Parthenon pediments. Like the more generous proportions and the richer finishing, the use of Thasian marble in the Kore may be an indicator that the statue was intended to be a work of special quality.

The carving of the Cyrene Kore was probably done by a workshop that specialized in carving Thasian marble and may once again have been connected with Crete. A statue of a woman wrapped in her himation in Rethymno on Crete appears macroscopically to be Thasian marble (Fig. 11-13).<sup>20</sup> The hem of the statue's *chiton* is exposed below the himation, and the ruffled effect where it passes over the right foot (Fig. 12) is distinctly similar to the wrinkles of the *chiton* of the Kore in Cyrene (Fig. 9). The Rethymno statue is of the Aspasia/Europa type, which, like the Kore, reflects a fifth-century original. This combination of similar workmanship, fifth-century prototypes,<sup>21</sup> and Thasian dolomitic marble strongly suggests a connection between the two. The Rethymno statue's portrait head with its turban hairstyle is strikingly similar to an early portrait of Faustina the Younger found in Athens, which is also made of Thasian dolomitic

15 77-940: KANE, REYNOLDS 1985; HERRMANN, NEWMAN 2002, 218-219, fig. 7.

16 ATTANASIO *et al.* 2009, SK22.

17 KANE, REYNOLDS 1985; KARANASTASI 2012, 446-447, fig. 15.

18 Thereby qualifying the type as a "Konzeptfigur": LANDWEHR 1998.

19 KANE, REYNOLDS 1985.

20 Also the opinion of Olga Palagià (private communication).

21 GUERRINI 1973-4, 227, pl. 32; KARANASTASI 2012, 445.



Fig. 11-13.  
Portrait of a woman in  
the guise of Aspasia/  
Europa, apparently  
Thasian marble, late  
Hadrianic or early  
Antonine, ca. 130-150  
CE. Rethymno Museum,  
Λ150 (photo: A. van den  
Hoek)

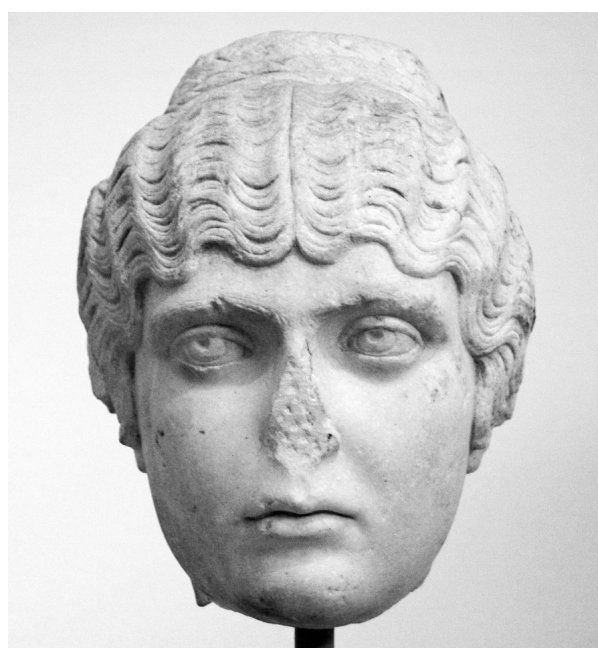


Fig. 14. Portrait of Faustina the Younger, found in Athens, marble from Cape Vathy, Thasos, ca. 147-150 CE. National Archaeological Museum, Athens, inv. 442 (photo: A. van den Hoek)

marble (Fig. 14).<sup>22</sup> Pavlina Karanastasi has brought out the strong sculptural similarities between Cretan and North African sculpture in Roman times,<sup>23</sup> and this group of sculptures in Thasian marble from Crete and Cyrene establishes more specific points of connection. Members of these “Thasian-friendly” workshops could plausibly have passed from Athens to Crete to Cyrene, ordering blocks of Thasian marble for specific commissions.

Another Thasian marble copy of a lost Greek masterpiece at Cyrene represents a Bacchic figure, perhaps Ariadne, with a cluster of grapes caught up in the overfold of her *peplos* (Fig. 15).<sup>24</sup> The best-preserved replicas come from Rome, and none of them seem to be in Thasian marble. One is in the Uffizi<sup>25</sup> and the other in the

22 Inv. 442: RHOMIOPOULOU 1997, cat. no. 95; HERRMANN, NEWMAN 2002, 216; KALTZAS 2002, cat. no. 730.

23 KARANASTASI 2012, 446-449.

24 Inv. 14.245: PARIBENI 1959, cat. no. 357.

25 MANSUELLI 1958, cat. no. 66. For photographs cleaned, see <https://www.friendsoftheuffizigallery.org/ariadne/>





Fig. 15. Ariadne, marble from Cape Vathy, Thasos, first century, Cyrene



Fig. 16. Ariadne, unknown marble, first century, from the Borghese Collection, Rome, Louvre, Ma676

Louvre (Fig. 16). The arms and the head of the Louvre piece are modern restorations. This type of figure seems to be a Rhodian creation of the second century BC. The Uffizi Ariadne is more elaborate and deeply cut, and the Cyrene and Louvre examples are crisper, simpler, and more direct. The Cyrene piece has its own distinct personality: it seems more slender and lively than the Louvre example; the undulating hem of the overfold is particularly animated. Presumably a plaster cast of the figure was sent to Cyrene to be reproduced in marble. While there are fine marble *peplos*-wearing statues in Cyrene,<sup>26</sup> it is not impossible that a sculptor from Thasos could have been commissioned to execute the marble replica.

The final Thasian marble sculpture in Cyrene<sup>27</sup> can be identified as a statuette of Thalia, the muse of comedy (Fig. 17). The broken remains of connectors suggest that she originally held a mask at her left shoulder and a shepherd's staff at her right side. A simplified version of this figure appears on a Roman sarcophagus in the

Louvre.<sup>28</sup> Like the Ariadne, the Thalia seems to be based on a prototype from the eastern side of the Aegean. The hip-swinging stance, the dragging drapery, the overlapping layers of drapery, and the contrasting fold lines are common in Hellenistic and post-Hellenistic sculptures of Asia Minor. A "Pudicitia" from Magnesia on the Maeander is a good example,<sup>29</sup> but the Cyrene statuette presents a simplified and schematic version of such contrast-rich compositions. It is hard to closely parallel these simplifications in Cyrene or elsewhere. Statuettes of Aphrodite and of a man wearing a *chlamys* on Thasos, however, provide a comparable kind of bold, sweeping, repetitive stylization of drapery folds (Fig. 18-19). A Thasian sculptor freely interpreting an Asiatic prototype might well have been responsible for the figure in Cyrene.

26 PARIBENI 1959, cat. nos. 130, 154, 156,

27 Inv. 78-700: ATTANASIO *et al.* 2009, SK14.

28 FAEDO 1994, cat. no. 172 (Louvre). The Louvre version does not have a bare shoulder and lacks the overfold of the himation.

29 MENDEL 1914, cat. no. 823; LINFERT 1976, 40, fig. 59.



Fig. 17. Statuette of Thalia, muse of comedy, marble from Cape Vathy, Thasos, first century? Cyrene Museum, inv. 78-700, from the Extramural Sanctuary of Demeter and Kore

## Conclusions

These Roman Imperial sculptures in Cyrene provide an insight into the spread of Thasian dolomitic marble to the southern and eastern Mediterranean. The quantity was limited at Cyrene; only 2% of the statues were Thasian, only half the percentage seen in central Italy. In three cases, at least, there are indications that Thasian marble was used partly as a sign of quality and luxury. In special cases the marble's whiteness was evidently considered worth the trouble entailed by its hardness. Three of the Cyrene statues were exact copies of distinguished Greek masterpieces made by copying plaster casts of the originals. The actual carving was probably done in Cyrene. The statuette of Thalia is more puzzling, since no other replicas are known.

In all cases there is some chance that a workshop with a special link to Thasos was involved in finishing the statue. In the case of the Athena and the Kore, a workshop travelling from Athens to Crete to Cyrene could have carved the



Fig. 18. Statuette of Aphrodite with Eros (?) on her shoulder, marble probably from Thasos, late Hellenistic or Early Imperial (?). Thasos Museum (photo: A. van den Hoek)



Fig. 19. Statuette of a youth (ephebe) wrapped in his chlamys, marble probably from Thasos, Late Hellenistic or Early Imperial (?). Thasos Museum (photo: A. van den Hoek)



statues. If sculptors originally from Thasos were involved, they usually suppressed distinctive stylistic traits of their home island; when carefully copying famous prototypes for prestigious commissions in a distant, cosmopolitan city, they stayed true to their Athenian training. The Thalia, however, seems to represent a distinctive and uninhibited kind of Thasian stylization of Early Imperial times. In any case, each piece in Cyrene represents an individual interaction between prototype, sculptor, training, and the Thasian material.

## ACKNOWLEDGMENTS

Our thanks go the École Française de Rome and Toni Kozelj for generously granting access to the storerooms of the Thasos Museum.

## BIBLIOGRAPHY

- ATTANASIO D., KANE S., PLATANIA R., ROCCHI P. 2006: "Provenance, use, and distribution of white marbles at Cyrene" in FABBRICOTTI E., MENOZZI O. (eds): *Cirenaica: Studi, scavi e scoperte: X Convegno di Archeologia Cirenaica*, BAR International Series, 1488, 247-250.
- ATTANASIO D., KANE S., HERZ N. 2009: "New isotopic and EPR data for 22 sculptures from the extramural sanctuary of Demeter and Persephone at Cyrene", *ASMOSIA VII*, 343-356.
- BLONDÉ F., MULLER A., MULLIEZ D. 1987: "Une nouvelle place publique à Thasos", *Revue archéologique*, 25-39.
- CALLIGARO T., COQUINOT Y., GUERRA M. F., HERRMANN J., LAUGIER L., VAN DEN HOEK A. 2013: "Dolomitic marble from Thasos at the Louvre", *Open Journal of Archaeometry* 1: e14.
- DESPINIS G., STEFANIDOU-TIVERIOU TH., VOUTIRAS E. 2003: *KATAΛΟΓΟΣ ΓΛΥΠΤΩΝ ΤΟΥ ΑΡΧΑΙΟΛΟΓΙΚΟΥ ΜΟΥΣΕΙΟΥ ΘΕΣΣΑΛΟΝΙΚΗΣ*, vol. 2, Thessaloniki.
- FAEDO L. 1994: "Le muse sui sarcofagi" in *Lexicon iconographicum mythologiae classicae* 7, col. 1030-1059.
- GUERRINI L. 1973-4: "Copie del tipo 'Aspasia/Sosandra' da Creta", *Antichità cretesi: Studi in onore di Doro Levi* 2, Catania, 227-234.
- HARRISON E. 1977: "Alkamenēs' Sculptures for the Hephaisteion: Part I, The Cult Statues", *American Journal of Archaeology* 81.2, 137-178, 265-287, 411-426.
- HERRMANN J., NEWMAN R. 1995: "The exportation of dolomitic sculptural marble from Thasos: evidence from Mediterranean and other collections", *ASMOSIA III*, 73-86.
- HERRMANN J., NEWMAN R. 2002: "New Sculptures in Thasian Dolomite: Turkey, Greece, Egypt, Italy", *ASMOSIA V*, 215-224.
- HERRMANN J., NEWMAN R., VAN DEN HOEK A. 2009: "Identifying dolomitic marble 2000-2003: The Capitoline Museums, New York, and Somnus-Hypnos in Urbisaglia", *ASMOSIA VII*, 533-41.
- HERRMANN J., ATTANASIO D., VAN DEN HOEK A. 2014: "Marble from the Fringes and Sculpture at Rome: The Case of Thasian Marble in the Musei Comunali" in ÁLVAREZ, J. M.; NOGALES, T.; RODÀ, I. (eds.): *Center and Periphery in the Classical World (Proceedings of the XVIII<sup>th</sup> International Congress of Classical Archaeology)*, 11-16.

- KALTZAS N. 2002: Sculpture in the National Archaeological Museum, Athens, Los Angeles.
- KANE S., REYNOLDS J. 1985: "The Kore Who Looks after the Grain: A Copy of the Torlonia-Hierapytna Type in Cyrene", *American Journal of Archaeology*, vol. 89, 455-463.
- KARANASTASI P. 2012: "Η πλαστική της Κρήτης στην αυτοκρατορική περίοδο (Roman Sculpture Crete)", in STEPHANIDOU-TVERIOU TH., KARANASTASI P., DAMASKOS D. (eds.): *Κλασική παράδοση και νεωτερικά στοιχεία στην πλαστική της ρωμαϊκής Ελλάδας*, Thessaloniki.
- KOUKOULI-CHRYSANTHAKI CH. 1988: "Marble head of Alexander," in *Αρχαία Μακεδονία/ Ancient Macedonia* (exhibition catalogue) Athens: Greek Ministry of Culture, National Hellenic Committee – ICOM, International Cultural Corporation of Australia.
- LANDWEHR C., SCHUCHHARDT W. 1985: *Die antiken Gipsabgüsse aus Baiae: griechische Bronzestatuen in Abgüssen römischer Zeit*, Berlin.
- LANDWEHR C. 1998: "Konzeptfiguren. Ein neuer Zugang zur römischen Idealplastik, *Jahrbuch des Deutschen archäologischen Instituts*, 113.
- LINFERT A. 1976: *Kunstzentren hellenistischer Zeit*, Wiesbaden.
- MANSUELLI G. 1958: *Galleria degli Uffizi: Le sculpture*, Roma.
- MENDEL G. 1914: *Musées Impériaux Ottomans: Catalogue des sculptures grecques, romaines et byzantines*, Constantinople 3.
- PARIBENI E. 1959: *Catalogo delle sculture di Cirene: Statue e rilievi di carattere religioso*, Roma.
- RHOMIOPOULOU K. 1997: *Ellenoromaïka glypta tou Ethnikou Archaïologikou Mouseiou*, Athens.
- WAELEKENS M. 1985: "From a Phrygian Quarry: The Provenance of the Statues of the Dacian Prisoners in Trajan's Forum", *American Journal of Archaeology* 89, 641-653.