



## Poster Session II

1. X. Aguayo, A. Álvarez and X. Nieto: Quarries used for building the Roman harbour of Empúries.

2. K. G. Akoglu, E.N. Caner-Saltik and T. Topal.: Investigation on sandstone deterioration for developing consolidation methods.

3. A. Álvarez, I. Rodà, M. Riera, A. Gutiérrez and A. Domènech: Provenance of some Roman marbles from El Pla de Ses Figueres (Cabrera, Balearic Islands, Spain).

4. T. J. Anderson and J.M. Fernández-Soler: A preliminary sketch of a lava rotary quern quarry in Cabo de Gata, Almería, Spain.

5. J. A. Antolíns, R. Arana, J.M. Noguera and B. Soler: The sandstone quarries of Carthago Nova: petrological characteristics and mining techniques.

6. R. Arana, J.A. Antolíns, B. Soler, J.M. Noguera: Quarrying, use and scope of Cabezo Gordo and Rambla de Trujillo marbles (Murcia, Spain) in the Roman era.

7. I. Arce: Late Antique and Umayyad Quarries from the Neat East.

8. J. Beltrán, O. Rodríguez, P. López and E. Ontiveros: Analysis of products from quarries Los Castillejos and Covachos (Almadén de la Plata, Sevilla). A comparative study.

9. A. Blanc and Ph. Blanc: Ancient uses of the Breche des Romains in Gaul.

10. M. Bruno: Quarry blocks in marmor lassen-se from the Balık Pazarı at İzasos (Turkey).

11. M. Bruno and M. Vitti: New cipollino marble quarries south of Karystos at Cape Mandhili (Evia).

12. R. Bugini and L. Folli: Ancient coloured marbles and their surrogates in the Milan Cathedral (late sixteenth Century).

13. M. Buzov: The ancient quarries in Croatia (the technology of extracting stone).

14. E. Caner-Özler and E.N. Caner-Saltik: Decay of historic limestone and its conservation treatments with nanodispersive Ca (OH)2 solutions.

15. E. N. Caner-Saltik, T. Topal, V. Toprak, A. Türkmenoglu, A. Tavukcuoglu, K.G. Akoglu, E. Caner-Özler and T. Yasar: Development of management strategies for four ancient quarries in Turkey.

16. M. Chichikova and D. Stoyanova: On the instruments of the stonecutters, the architects and the painters of the royal tomb with Caryatids at the Cetic capital Helis.

17. N. Cueto, D. Benavente, J. Martínez-Martínez and M.A. García del Cura: Influence of mesofabrics on water transport properties of continental limestones.

18. M. De Nuccio: The use of travertine covered with stucco in the Temple of Apollo Sosiano in the Circus Flaminius in Rome

19. M. Delli Santi: Ancient marbles in Florence in XVI century: the Gaddi and Niccolini nobel chapels.

20. M. Devolder: Access to Ashlar as a symbolic resource in Neopalatial Crete (1700- 1450 a.C.n.).

21. M. A. Domagoj Perkić: Quarries, production sites of Roman sarcophagi and stone urns in the southern border part of the province of Pannonia superior.

22. I. Donelli: Ancient stone quarries on the Eastern Adriatic coast emphasising Brac stone quarries.

23. M. El Gaied, A. Younés and W. Gallala: The stone of Sidi Ghedamsy island quarries (Monastir, Tunisia): from extraction to its use in building.

24. A. Fernández-Díaz and V. García-Enterro: The imitation of Marmora in Roman wall paintings in Hispania.

25. D. Fiorino, C. Garbarino, C. Giannattasio and S.M.Grillo: On site and laboratory investigation on the 16th-17th century Masonries: the western Sardinian coast defensive towers.

26. M. A. García del Cura, D. Benavente, J. Martínez-Martínez and N. Cueto : Petrographic features and physical properties of certain traver-tine building stones.

27. M. García-Vallés, M. Aulinas, J.B. López and A. Moya: Petrographic study of the tubular cist with carved steles of Reguers de Seró (Artesa de Segre, Lleida, Catalonia).

28. M. Genera and A. Álvarez: Ebro final lithic materials exploitation: extraction works, applications and chronology.

29. A. Guinea, E. Playà, Ll. Rívero and M. Himi: Prospecting alabaster quarries with electric imaging.

30. M. I. Gutiérrez: The use of local stone in Colonia Patricia Corduba.

31. A. Gutiérrez and J. Andreu: The Roman quarries of the town and territory of Los Bañales (Uncastillo, Zaragoza, Spain).

32. A. Gutiérrez, J.A. Remolà and F. Tarrats: Marbles from the Roman Villa of Els Munts (Altafula, Tarragona, Spain ) and their role in the decorative program. Preliminary approximation.

33. T. Heldal: Quarry Scapes done: results and perspectives for the future.

34. N. Ioannidou: Symbolism and historic aspects: lithic materials used at the Byzantine church (12 oc) of Taxiarch Michel of Mesaria in the island of Andros (Greece).

35. K. Kouzeli and Z.K. Antoniou: "Poroi" in ancient constructions in Athens: nature, properties and state of preservation.

36. T. Kozelj and M. Wurch-Kozelj: The use of the saw during Roman and proto byzantine period in Thassos.

37. P. Lapuente, H. Rojo, Ph. Blanc and M. Preite-Martínez: Fine grained marble quarries in the French Pyrenees: overview of petrography, catho-doluminescence and C and O isotope analysis.

38. P. Lapuente, H. Rojo, J. Mandado, P. Galve and F. De A. Escudero: Local gypsum and alabaster used in Caesaraugusta (Hispania).

39. L. Lazzarini, D. Visona, M. Giannelo and I. Villa: Archaeometric characterisation of some calcareous alabasters used in Antiquity.

40. A. Luque, G. Oultrone, E. Ruiz-Agudo, E. Sebastián and S. Stegsmund: Effect of thermal expansion in marble deterioration.

41. A. Magagnini: "Pesi di basalto dal territorio romano" or something else? Three stone artefacts from the Castellani Collection in the Capitoline Museums, Rome.

42. G. Meléndez, F. Colucci and J. Ramajo: Geoheritage evaluation of ancient quarry landscapes: the case of historical quarries in Aragón (Spain).

43. C. Miró and E. Revilla: The Roman quarry of Montjuïc (Barcelona).

44. N. Molist and P. Otiña: The republican Roman and medieval quarry of Sant Miquel d'Olerdola (Olerdola, Barcelona)

45. M. I. Mota, M.A. Buergo, A. de Pizzo and R. Fort: Provenance of construction stone from Roman monuments in Merida, Spain.

46. M. Mrozek-Wysocka and P. Zambrycki: The characterization and state of conservation of building materials used in Greco-Roman times in northern Egypt: the case of Marina el Alamein archaeological site.

47. M. Oriti and M. Inglés: The recovery of Roman quarries as a symbol of artistic and technological modernity. The case of Catalonia in the modern age (XVI-XVIII Centuries).

48. A. Palmentieri: The imago clipeata of "Lucio Stirio Modesto". As an example of imitatio urbis in Campania (Italy).

49. I. Peña and P. Otiña: The Roman quarry of Palma de Mallorca (Spain)

50. M. E. Peroschi and Fl. Cambieri: Small quarries of the desert.

51. J. L. Prada, M. Badia, A. Álvarez, O. Oms, R. Estrada and M.E. Arribas: Decay and conservation strategies of rocks containing dinosaur footprints: the case of several sites in the NE Spain.

52. I. Prieto: Mason's marks on the orientaling building from Pozo Moro (Albacete, Spain) and their relation with the southern palaeohispanic writings.

53. I. Rébé: The soapstone pots "pietra ollare" in Roussillon: statement of discoveries

54. R. Ribaldi and D. Gorostidi: Local stone in the monumental center of Tusculum (Latium, Italy): constructive use and epigraphical evidence.

55. I. Riznar, B. Djurić, A. Maver, G. Putar, J. Davidović, H.W. Müller and D. Jovanović: Dardagani quarry: main regional limestone source for Roman Sirmium.

56. A. Rodríguez Colmenero and M.C. Carreño Gascón: Granite as the base, almost exclusively, for documents and monuments in the Roman Gallaecia.

57. P. Sá Caetano, V. Lamberto and P. Hasse Verdial: Ecclesiastical geology in the city of Lisbon.

58. B. Soler and R. Arana: The painted marbles of Cartagena's Roman theatre (Murcia, Spain)

59. P. Spathis: Deterioration problems and preliminary observations on the conservation of the building materials of excavations of Navarino and Dikritio, Thessaloniki.

60. P. Storemyr: A grinding stone quarry in the Egyptian Sahara.

61. A. Travé and J.D. Martín-Martín: Polishing problems in a ornamental limestone.

62. R. H. Tykot, J. Herrmann Jr. and A. Van Den Hoek: Survey and analysis of marble quarry sources in Algeria.

63. M. Unterwurzacher, C. Uhlir, K. Schaller and A. Zarka: Saxa Luquuntur: a comprehensive interdisciplinary information system for antique quarries and monuments.

64. M. C. Üstünkaya, E.N. Caner-Saltik and A.G. Gözen: Detection of biological activity in calcareous stone by FDA analyses.

65. A. Van Den Hoek and J. Herrmann Jr.: Alabastro a Pecorella, ain Tekbalet and Bou Hanifa, Algeria.

66. C. Weiss, R. Sobott and I. Gerlach: Ultrasonic and petrophysical investigations of monolithic limestone pillars at the Almaqah temple in Sirwah/Yemen

67. D. Wielgosz: Provenance of marble statuary from Laodicea on the Sea (Latakia in Syria).

68. A. B. Yavuz, M. Bruno and D. Attanasio: A new source of Bigio Antico marbles: the ancient quarries of Iznik (Turkey).

69. G. Zachos and E. Leka: The ancient quarry of Pagani in Lesbos Islands.

MARMORVM GENERA  
ET COLORES NON  
ATTINET DICERE  
IN TANTA NOTITIA  
NEC FACILE EST  
ENVMERARE IN TANTA  
MLTITVDINE. QVOTO  
CVIQVE ENIM LOCO  
NON SVM MARMOR  
INVENTIVR?

Rojo Torcal Variety



ASMO SIAIX  
INTERNATIONAL CONFERENCE  
TARRAGONA, 8-13TH JUNE 2009  
ASSOCIATION FOR THE STUDY OF MARBLES AND OTHER STONES IN ANTIQUITY  
INTERDISCIPLINARY STUDIES ON ANCIENT STONE

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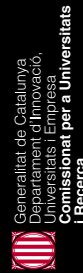
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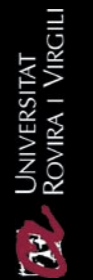
Ajuntament  
de Tortosa



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The marbles are too well known to make it necessary for me to enumerate their several colours and varieties; and, indeed, so numerous are they, that it would be no easy task to do so. For what place is there, in fact, that has not a marble of its own? Pliny the Elder (Naturalis Historia, 36, 11)

