## PROCEEDINGS OF INTERNATIONAL SCIENTIFIC CONFERENCES

- Skoulikidis, Th., Moropoulou, A., Tsakopoulos, A., "Lightning conductor automatic method of cathodic protection of steel in NaCl solutions: Influence of type and number of lightning conductors and needles-diodes", in Proc. 5<sup>th</sup> International Congress on Marine Corrosion and Fouling, Publ. Graficas Orbe, Barcelona (1980) pp. 541-556
- 2. Theoulakis, P., Moropoulou, A., "Mechanism of deterioration of sandstone of Medieval City and the Castle of Rhodes", in Proc. VI<sup>th</sup> International Congress on Deterioration and Conservation of Stone, ed. J. Ciabach, Publ. Nicholas Copernicus University, Press Department, Torun (1988) pp. 86-96
- 3. Moropoulou, T., Loizidou, M., "Heavy metals in the marina's environment in the Greater Athens Area", in Proc. 7<sup>th</sup> International Conference on Heavy metals in the Environment, ed. J.P. Vernet, Geneva, Vol. 1 (1989)
- 4. Batis, G., Moropoulou, A., Koui, M., Zaggogiannis, A., Padazopoulou, P., Daflos, E., "Exploitation of the rust of the ferrous nickel industry for pigments production", in Proc. 2<sup>nd</sup> Chemistry Congress Greece Cyprus on Chemistry and Environment, Athens, Vol. 2 (1990) pp. 533-537
- 5. Moropoulou, A., Theoulakis, P., "Conditions causing destructive NaCl crystallization into the porous sandstone building material of the Medieval City of Rhodes", in Proc. 2<sup>nd</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. D. Decrouez, J. Chamay & F. Zezza, Publ. Museum d' Histoire Naturelle & Musee d'Art et d'Histoire, Geneva, Vol. 3 (1991) pp. 493-499
- 6. Batis, G., Moropoulou, A., Zaggogiannis, A., "Utilization of the ferrous oxides by products of the Larco convectors for the production of pigments in anticorrosive coatings", in Proc. 3<sup>rd</sup> Symposium on Paints (1991) pp. 189-199
- 7. Moropoulou, A., Loizidou, M., Batis, G. Koui, M., Haralambous, K.J., Petroutsos, E. Daflos, E., "Study on the Behaviour of a Solid Waste from a Ferrous Nickel Plant into Aqueous Environment", in Proc. 8<sup>th</sup> International Conference on Heavy Metals in the Environment, Edinburgh (1991)
- 8. Moropoulou, A., Theoulakis, P., Kokkinos, Ch., Papasotiriou, D., Daflos, E., "The performance of some inorganic consolidants on the calcareous sandstone of the Medieval City of Rhodes", in Proc. 7<sup>th</sup> International Congress on Deterioration and Conservation of Stone, ed. J.D. Rodrigues, F. Henriques and F. Telmo Jeremias, Publ. Laboratorio Nacional de Engenharia Civil, Lisbon (1992) pp. 1231-1242
- 9. Biscontin, G., Bakolas, A., Zendri, E., Bertoncello, R., Tondello, E., Moropoulou A., "Interactions between mortar and brick in the traditional masonry", in Proc. Eighth CIMTEC, World Ceramics Congress, Florence (1994) p.37
- 10. Moropoulou, A., Zezza, F., Aires Barros, L., Christaras, B., Fassina, V., Fitzner, B., Galan, E., Van Grieken, R., Kassoli-Fournaraki, A., "Marine spray and polluted atmosphere as factors of damage to monuments in the Mediterranean coastal environment a preliminary approach to the case of Demeter Sanctuary in Eleusis", in Proc. 3<sup>rd</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. V. Fassina, H. Ott & F. Zezza, Publ. Sopritendenza ai Beni Artistici e Storici di Venezia, Venice (1994) pp. 275-286

- 11. Biscontin, G., Bakolas, A., Moropoulou, A., Zendri, E., "Microstructural characterization of the historical mortars of Venice", in Proc. 3<sup>rd</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. V. Fassina, H. Ott & F. Zezza, Publ. Sopritendenza ai Beni Artistici e Storici di Venezia, Venice (1994) pp. 405-410
- 12. Christaras, B., Moropoulou, A., "Environmental effects on the Monasteries of Mount Athos: the case of Symonos Petra Monastery", in Proc. 3<sup>rd</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. V. Fassina, H. Ott & F. Zezza, Publ. Sopritendenza ai Beni Artistici e Storici di Venezia, Venice (1994) pp. 433-437
- 13. Biscontin, G., Bakolas, A., Longega, G., Moropoulou, A., Zendri, E., "Proposta di una metodologia per la valutazione della pullitura di superfici lapidee", in Proc. 3<sup>rd</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. V. Fassina, H. Ott & F. Zezza, Publ. Sopritendenza ai Beni Artistici e Storici di Venezia, Venice (1994) pp. 929-936
- 14. Biscontin G., Bakolas A., Zendri E. and Moropoulou A., "Interaction of some protective agents with building materials", in Methods of evaluating products for the conservation of porous building materials in monuments, International Colloquium, ICCROM, Rome, 1995, pp. 317-330.
- 15. Fassina, V., Moropoulou, A., Rattazzi, A., "Principal Decay Patterns on the Archaeological Site of demeter Sanctuary in Eleusis: Weathering Mechanism", in Proc. EC DG XII Research Workshop on "Origin, mechanisms, and effects on salts on degradation of monuments in marine and continental environments", ed. F. Zezza, Bari (1996) No 27
- 16. Moropoulou, A., Van Grieken, R., Bisbikou, K., Torfs, K., Stagakis, M., Stathis, G., "Environmental outdoor impact assessment on ancient monuments; The case of the Sanctuary of Demeter in Eleusis", in Proc. EC DG XII Research Workshop on "Origin, mechanisms, and effects on salts on degradation of monuments in marine and continental environments", ed. F. Zezza, Bari (1996) No 37
- 17. Kokkinos, Ch., Moropoulou, A., Nicolacopoulos, P., "A conceptual approach to the conservation of the Cultural Heritage", in Proc. 4<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 2 (1997) pp. 427-436
- 18. Moropoulou, A., Biscontin, G., Bakolas, A., Michailidis, P., Basiotis, J., "Historic mortars in Mediterranean Monuments", in Proc. 4<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 3 (1997) pp. 213-237
- 19. Moropoulou, A., Tsiourva, Th., Biscontin, G., Bakolas, A., Michailidis, P., Zendri, E., "Evaluation of consolidation treatments of porous stones Application on the Medieval City of Rhodes", in Proc. 4<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 3 (1997) pp. 239-256
- 20. Cakmak, A.S., Erdik, M., Moropoulou A., "A joint program for the protection of the Justinian Hagia Sophia", in Proc. 4<sup>th</sup> International Symposium on the

- Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 4 (1997) pp. 153-171
- 21. Moropoulou, A., Biscontin, G., Tsiourva, Th., Bisbikou, K., Longega, P., Tsantila, V., Groggia, M., Dalaklis, E., Petritaki, A., "Evaluation of cleaning procedures on the facades of the Bank of Greece historical building in the centre of Athens", in Proc. 4<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 4 (1997) pp. 343-354
- 22. Moropoulou, A., Koui, M., Kourteli, Ch., Papasotiriou, D., Theoulakis, P., Tsiourva, Th., Achilleopoulos, N., Karakantas, Ch., Romanos, A., Tokatlidou, K., Koliadis, Th., Zarifis, N., Van Grieken, R., Delalieux, F., Silva, B., Molina, E., Vicente, M.A., Vicente, S., Macri, F., Zezza, F., "Techniques and methodology for the preservation and environmental management of historic complexes The case of the Medieval City of Rhodes", in Proc. 4<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 4 (1997) pp. 603-634
- 23. Theoulakis, P., Moropoulou, A., "Porous stone decay by salt crystallization The case of the building material of the Medieval City of Rhodes", in Proc. 4<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, ed. A. Moropoulou, F. Zezza, E. Kollias & I. Papachristodoulou, Publ. Technical Chamber of Greece, Rhodes, Vol. 4 (1997) pp. 647-673
- 24. Moropoulou, A., Kambas, V., Lathourakis, E., Papakostopoulos, A., Kokkinos, Ch., "Environmental criteria towards an integrated development plan The case of the island of Halki", in Proc. Int. Conf. "Islands 2000" The World of Islands: What development on the eve of the year 2000?, ed. P.G. D'Ayala, C. Cavallaro, A. Moropoulou, Publ. NTUA UNESCO INSULA, Giardini Naxos, 1992 (1999) pp. 145-179
- 25. Moropoulou, A., Tzakou, A., Theoulakis, P., "The conservation and rehabilitation of architectural heritages A new vehicle for cultural tourism sustaining islands development", in Proc. Int. Conf. "Islands 2000" The World of Islands: What development on the eve of the year 2000?, ed. P.G. D'Ayala, C. Cavallaro, A. Moropoulou, Publ. NTUA UNESCO INSULA, Giardini Naxos, 1992 (1999) pp. 181-192
- 26. Moropoulou, A., Koui, M., Moundoulas, P., Avdelidis, N.P., "In situ non destructive evaluation of the compatibility of repair mortars to the historic masonries validated by thermal analysis", in Proc. Int. Conf. on 4th Mediterranean Conference on Calorimetry and Thermal Analysis, ed. G.C. Papanicolaou, G. Parisakis, Patras (1999) pp. 171 178
- 27. Moropoulou, A., Bakolas, A., Moundoulas, A., "Thermal analysis in the evaluation of compatible restoration mortars during setting and hardening", in Proc. Int. Conf. on 4th Mediterranean Conference on Calorimetry and Thermal Analysis, ed. G.C. Papanicolaou, G. Parisakis, Patras (1999) pp. 179 186
- 28. Moropoulou, A., Koui, M., Kourteli, Ch., Achilleopoulos, N., Zezza, F., "Digital image processing and integraded computerised analysis for weathering on

- planning conservation interventions on historic structures and architectural complexes", in Proc. EURISCON Conference on European Robotics, Intelligent Systems and Control, Publ. International Association for Mathematics and Computers in Simulation (1999)
- 29. Moropoulou, A., Christaras, B., Koui, M., Avdelidis, N.P., Tsiourva, Th., Kourteli, Ch., "Integrated non-destructive evaluation for the protection of Cultural Heritage", in Proc. Int. Conf. on Emerging Technology in NDT, ed. D. Van Hemelrijck, A. Anastassopoulos, Th. Philippidis, Athens (1999) pp. 323-333
- 30. Cardell, C., Rivas, T., Mosquera, M.J., Prieto, B., Delalieux, F., Birginie, J.M., Roumpopoulos, K., Silva, B., Auger, F., Moropoulou, A., Van Grieken, R., "Responses of sedimentary and igneous rocks to an artificial ageing test", in Proc. 5<sup>th</sup> Int. Symp. on the Conservation of Monuments in the Mediterranean basin, Seville (2000) p. 211, Proceedings on CD-Rom
- 31. Moropoulou, A., Koui, M., Avdelidis, N.P., "Innovative strategies for the preservation of historic cities by ND monitoring techniques and GIS management of data regarding environmental impact on historic materials and structures", in Proc. 9<sup>th</sup> Int. Symp. Congress on Deterioration and Conservation of Stone, Venice (2000) pp. 119-127
- 32. Moropoulou, A., Bakolas, A., Moundoulas, P., "Criteria and methodology for restoration mortars compatible to the historic materials and structures", in Proc. 9<sup>th</sup> Int. Symp. Congress on Deterioration and Conservation of Stone, Venice (2000) pp. 403-412
- 33. Moropoulou, A., Avdelidis, N.P., Koui, M., Kakaras, K., «Flaw detection and evaluation of pavements by means of infrared thermography», in Proc. INFRAMATION Int. Conf. on infrared thermography, Orlando (2000) pp. 167-172
- 34. Moropoulou, A., Avdelidis, N.P., Koui, M., "Compatibility assessment of building materials using infrared Thermography", in Proc. 15<sup>th</sup> World Conf. of NDT, Rome (2000) Proceedings in CD-Rom
- 35. Moropoulou, A., Kouloumpi, N, Bakolas, A., Haralampopoulos, G., "Performance evaluation of conservation and protection interventions to porous stone facades on historic buildings in heavily polluted urban centers", in Proc. XXV FATIPEC Congress, Turin, Vol. 1 (2000) pp. 205-225
- 36. Moropoulou, A., Delegou, E.T., Avdelidis, N.P., Koui, M., "Non-destructive investigation of architectural surfaces in polluted urban atmosphere", in Proc. 39<sup>th</sup> Int. Conf. of the British Institute of NDT, Buxton, UK (2000) pp. 143-148
- 37. Avdelidis N.P., Gill, C., Moropoulou, A., "Environmental impact and strength variability of glass", 1<sup>st</sup> Balkan Conf. on Glass Science and Technology, Volos (2000) pp. 176-183
- 38. Avdelidis N.P., Gill, C., Moropoulou, A., "Interaction of glass surfaces with environment and strength variation using weibull analysis", GS 2000, San Servolo, Venice (2000)
- 39. Moropoulou, A., Bakolas, A., Moundoulas, P., Avdelidis, N.P., «Evaluation of compatibility between restoration mortars and traditional building materials by the control of the microstructure», in Proc. «Conoscenze e Sviluppo di Criteri per la Definizione e Valutazione della Compatibilita nelle Malte per il Restauro»,

- Scienza e Beni Culturali, Bressanone (2000) p. 71-78
- 40. Moropoulou, A., Bakolas, A., Moundoulas, P., Aggelakopoulou, E., Anagnostopoulou, S., "Optimization of compatible restoration mortars for the protection of Hagia Sophia", in Proc. 2<sup>nd</sup> Int. Cong. Studies in Ancient Structures, Istanbul Vol. 2 (2001), pp. 519-529
- 41. Moropoulou, A., Koui, M., Avdelidis, N.P., Delegou, E.T., Kouris, S., "Calculating the emissivity of building materials for infrared thermographic applications", in Proc. 6<sup>th</sup> Conf. of the Slovenian Society of NDT, Portoroz, Slovenia (2001) pp. 333-337
- 42. Moropoulou, A., Karoglou, M., "Sustainable construction: the role of environmentally friendly construction materials; Standards and quality control", in Proc. Int. Workshop "Environmental quality and energy efficiency in public buildings: Technology and implementation / financing strategies", Prefecture of Drama-Kavala-Xanthi (2001), Proceedings on CD-Rom
- 43. Moropoulou, A., Avdelidis, N.P., Koui, M., «IR thermography scanning technique in the assessment of airport pavements», in Proc. ASME Symp. on NDE Challenges of the 21<sup>st</sup> c., NY (2001) pp. 79-82
- 44. Moropoulou, A., Bakolas, A., Moundoulas P., Aggelakopoulou, E., «Simulating and ameliorating historic mortars by repair mortars, produced by traditional raw materials», in Proc. 2<sup>nd</sup> Chemical Engineering Conf. for Collaborative Research in Eastern Mediterranean, Ankara (2001)
- 45. Moropoulou, A., Avdelidis, N.P., Delegou, E.T., Koui, M., «Infrared thermography in the evaluation of cleaning interventions on architectural surfaces», in Proc. INFRAMATION Int. Conf. on infrared thermography, Orlando (2001) pp. 171-175
- 46. Moropoulou, A., Theoulakis, P., Tsiourva, Th., Karoglou, M., Koui, N., «Innovative strategic planning of conservation materials and interventions at the Medieval Fortifications of Rhodes», in Proc. Int. Symp. 15 years of Restoration in the Medieval Town of Rhodes, Rhodes (2001)
- 47. Moropoulou, A., Koui, M., Bisbikou, K., Tsantila, B, Bisbikou, K., Fitzner, B, «Microscopic method for estimating the texture of weathering crusts on ancient marbles», 8<sup>th</sup> Euroseminar on Microscopy Applied to Building Materials, Athens (2001) pp. 373-380
- 48. Moropoulou, A., Bakolas, A., Karoglou, M., Karamberi, A., «Microscopic techniques in the assessment of the ability of micropore plasters to tackle rising damp of historic masonries», 8<sup>th</sup> Euroseminar on Microscopy Applied to Building Materials, Athens (2001) pp 595-602
- 49. Moropoulou, A., Koui, M., Theoulakis, P., Bakolas, A., Roumpopoulos, K., Michailidis, P., Van Grieken, R., Cardell-Fernandez, "Microstructural criteria for the evaluation of stone susceptibility to sea-salt decay", in Proc. 5<sup>th</sup> Int. Symp. on the Protection and Conservation of the Cultural Heritage in Mediterranean Cities, ed. E. galan, F. Zezza, Publ. Swets & Zitlinger, Seville (2002) pp. 339-345
- 50. Escalante, M.R., Flatt, R., Scherer, G.W., Tsiourva, D., Moropoulou, A., "Particle-modified consolidants", in Proc. 5<sup>th</sup> Int. Symp. on the Protection and Conservation of the Cultural Heritage in Mediterranean Cities, ed. E. galan, F. Zezza, Publ. Swets & Zitlinger, Seville (2002) pp. 410

- 51. A. Moropoulou, E.T. Delegou, N.P. Avdelidis, "NDT planning methodology of conservation interventions on historic buildings", in in 7th International Conference on Non-destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage, Edited by: R. Van Grieken, K. Janssens, L. Van't dack, G. Meersman, (2002), Book of Proceedings.
- 52. A. Moropoulou, M. Koui, N.P. Avdelidis, E.T. Delegou, E. Aggelakopoulou, M. Karoglou, P. Karmis, A. Aggelopoulos, S. Griniezakis, E.A. Karagianni, N.K. Uzunoglou, "NDT methodology for the protection of mosaics", in 7th International Conference on Non-destructive Testing and Microanalysis for the Diagnostics and Conservation of the Cultural and Environmental Heritage, Edited by: R. Van Grieken, K. Janssens, L. Van't dack, G. Meersman, (2002), Book of Proceedings.
- 53. Moropoulou, A., Avdelidis, N.P., Aggelakopoulou, E., Koui, M., Aggelopoulos, A., Griniezakis, S., Aggelopoulos, A., Uzunoglou, N.K., "Research and development for a new methodology based on NDT techniques for the reveal of mosaics", in Proc. of the 8<sup>th</sup> Eur. Conf. on NDT, Barcelona, (2002) Proceedings in CD-Rom, No 443
- 54. Moropoulou, A., Koui, M., Tsiourva, Th., Avdelidis, N.P., Bakolas, A., "NDT evaluation of cleaning materials & techniques on historic facades", in Proc. of the 8<sup>th</sup> Eur. Conf. on NDT, Barcelona, (2002) Proceedings in CD-Rom, No 445
- 55. Moropoulou, A., "NDT as a tool for materials characterisation, environmental impact assessment, conservation, evaluation and strategical planning regarding the protection of cultural heritage" ART International Conference, Antwerp, (2002) Proceedings in CD-Rom
- 56. Moropoulou, A., Batis, G., Bakolas, A., Aggelakopoulou, E., Karoglou, M., Zi, K., "Marine environment impact assessment to Spa structure at Kallithea in Rhodes. Planning of appropriate repair and preservation interventions", 1<sup>st</sup> Int. Conf. on "Vulnerability of 20<sup>th</sup> c. Heritage to hazards and Prevention Measures", Rhodes, org. CICOP-Italy, Technical Chamber of Dodecanese (2002)
- 57. Moropoulou, A., Kouloumbi, N., Haralampopoulos, G., Konstanti, A., Michailidis, P., "Criteria and methodology for the evaluation of conservation interventions on treated porous stone susceptible to stone decay", Conference on "Coatings Science & Technology", Institute of Materials Science, Vol. 28, Vouliagmeni, Athens (2002) pp. 149-165
- 58. Moropoulou, A., "Master of Science and Engineering (MSE) in Materials Techniques and Conservation Interventions for the Protection of Monuments", Conference on "Cultural Heritage Research: a Pan-European Challenge", Cracow (2002)
- 59. Moropoulou, A., Koroneos, C., Karoglou, M., Theodosiou, G., Moussiopoulos, N., "Integrated Product policy and Materials", 1<sup>st</sup> Materials Science Forum on Future Sustainable Technologies, Materials in Sustainable Technologies", Ausburg, Germany (2002)
- 60. Moropoulou, A., Aggelakopoulou E., Bakolas, A., "Sustainable traditional building materials and techniques", 1<sup>st</sup> Materials Science Forum on Future Sustainable Technologies, Materials in Sustainable Technologies", Ausburg, Germany (2002)

- 61. Moropoulou, A., Karoglou, M., Kyvelou, S., "Current state in Greece of European Policy considering sustainable development of built environment", 1<sup>st</sup> Workshop on "Lifetime Engineering of Buildings and Civil Infrastructures", Oslo, Norway (2002)
- 62. Avdelidis, N.P., Moropoulou, A., "NDE of moisture presence and the effectiveness of conservation methods in historic structures", QIRT Quantitative Infrared Thermography Conference, Dubrovnik, Croatia (2002)
- 63. Avdelidis, N.P., Moropoulou, A., "Infrared thermography. Philosophy, history, approaches, applications, standards", in the 2<sup>nd</sup> Balkan Conference of BSNDT & 4<sup>th</sup> National Conference of HSNT Athens Greece, (2002), Proceedings in CD-Rom
- 64. Moropoulou, A., Avdelidis, N.P., Theoulakis, P., "Non-destructive inspection of historic structures employing a long wavelength infrared cooled system", in the 2<sup>nd</sup> Balkan Conference of BSNDT & 4<sup>th</sup> National Conference of HSNT Athens Greece, (2002) Proceedings in CD-Rom
- 65. Moropoulou, A., Avdelidis, N.P., Delegou, E.T., "Investigation of architectural surfaces of historical buildings using NDT techniques", in the 2<sup>nd</sup> Balkan Conference of BSNDT & 4<sup>th</sup> National Conference of HSNT Athens Greece, (2002) Proceedings in CD-Rom
- 66. Moropoulou, A., Konstanti, A., "Interdisciplinary development of Materials Scienece and Engineering for the 'Protection of Monuments': The role of Research and Education", Advanced Research Initiation Assisting and Developing Networks in Europe ARIADNE, Workshop "Historic structures", ARCCHIP Centre of Excellence programme of the EC 5<sup>th</sup> Framework activities, Prague (2002)
- 67. Moropoulou, A., Bakolas, A., Aggelakopoulou, E., Moundoulas, P., «Evaluation of pozzolanic activity of natural and artificial pozzolans by thermal analysis» 7<sup>th</sup> Mediterranean Conference on Calorimetry and Thermal Analysis, MEDICTA, Oporto (2003)
- 68. Moropoulou, A., Batis, G., Bakolas, A., Karoglou, M., Aggelakopoulou, E., "Damage assessment of concrete structures exposed to aggressive marine environment by NDT and laboratory techniques", 6<sup>th</sup> CANMET/ACI International Conference on "Durability of Concrete", Editor: V.M. Malhotra, Thessaloniki, Greece (2003) pp.1035-1054
- 69. Moropoulou, A., Polikreti, K., Bakolas, A., Michailidis, P., "Correlation of physico-chemical and mechanical properties of historical mortars and classification by multivariate statistics", 4<sup>th</sup> Symposium on Archaeometry, Hellenic Society of Archaeometry, Athens (2003)
- 70. Moropoulou A., Delegou E.T., Innovative technologies and strategic planning methodology for assessing and decision making concerning preservation and management of historic cities. Proc. of the7th International Symposium of the Organization of World Heritage Cities, eds. A. Moropoulou, E. Kollias & G. Papatheodorou, Rhodes, (2003) CD-Rom Proc.
- 71. Moropoulou, A., "5 years experience on European Perspectives of the relevant NTUA MSc direction for Materials and Conservation Interventions" 7<sup>th</sup> International Symposium of the Organization of World Heritage Cities, Rhodes,

(2003)

- 72. Moropoulou, A., Konstanti, A., Aggelakopoulou, E., Kokkinos, Ch., "Historic Cities as open labs of research and post graduate education" 7<sup>th</sup> International Symposium of the Organization of World Heritage Cities, Rhodes, (2003)
- 73. Cakmak, A.S., Freely, J., Erdik, M., Moropoulou, A., Labropoulos, K. "Byzantine Istanbul as an open Lab for international interdisciplinary courses of Princeton university, Bogazici University and National Technical University Materials Science and Engineering Section" 7<sup>th</sup> International Symposium of the Organization of World Heritage Cities, Rhodes, (2003)
- 74. Moropoulou, A., "Non destructive diagnosis, assessment and quality control of historic materials and structures", 3<sup>rd</sup> International Conference on Non-Destructive Testing of the Hellenic Society for NDT, Chania, Greece (2003)
- 75. Moropoulou, A., Bakolas, A., Aggelakopoulou, E., Pineli, T., Prasianakis, I., "Estimation of elastic constants of stones, used in historic monuments, using ultrasonic technique and correlation to their microstructure parameters", 3<sup>rd</sup> International Conference on Non-Destructive Testing of the Hellenic Society for NDT, Chania, Greece (2003)
- 76. Avdelidis, N.P., Moropoulou, A., Koui, M., "IR thermography for the assessment and monitoring of historic materials and structures", 3<sup>rd</sup> International Conference on Non-Destructive Testing of the Hellenic Society for NDT, Chania, Greece (2003)
- 77. Moropoulou, A., Karoglou, M., "Environmental and sustainable impact assessment of historic buildings", International UNEP meeting / workshop on Sustainable Building and Construction "The building and Construction Sector: Moving towards Sustainability", Community Hall, Arendal, Norway (2003)
- 78. Moropoulou, A., Chandakas, B., Togkalidou, T., Karoglou, M., Padouvas, E., "A new methodology for quality control and monitoring of historic buildings: A tool for lifetime engineering", Symposium Proceedings, 2<sup>nd</sup> International symposium, ILCDES Integrated Life-time Engineering of Buildings and Civil Infrastructures, Kuopio, Finland (2003) pp. 269-274
- 79. Moropoulou, A., Delegou, E.T., Bakolas, A., Avdelidis, N.P., "Innovative technologies for the Integrated Preservation of Historic Buildings, complexes and cities", ITECOM Conference on 'Innovative Technologies and Materials for the Protection of Cultural Heritage, Industry, Research, Education: European Acts and Perspectives', Technical Chamber of Greece, Athens (2003) pp.109-119
- 80. Moropoulou, A., Maroulis, Z.B., Karoglou, M., "Simulation of moisture transfer in buildings: scientific support to policies for the application of smart plasters for protection against moisture", ITECOM Conference on 'Innovative Technologies and Materials for the Protection of Cultural Heritage, Industry, Research, Education: European Acts and Perspectives', Technical Chamber of Greece, Athens (2003) pp. 183-190
- 81. Togkalidou, T., Moropoulou, A., Karoglou, M., Padouvas, E., Chandakas, B., "System for Conservation Management of Historic Buildings incorporating quality control principles", ITECOM Conference on 'Innovative Technologies and Materials for the Protection of Cultural Heritage, Industry, Research, Education: European Acts and Perspectives', Technical Chamber of Greece,

- Athens (2003) pp. 365-376
- 82. Moropoulou, A., Aggelakopoulou, E., "The role of compatible repair mortars and strengthening interventions for the earthquake protection of monuments", Protection of Historical Structures and Monuments against Earthquakes, Crete, (2003)
- 83. Moropoulou, A., Karoglou, M., "Protection of historic buildings for a sustainable cultural city", International Conference in Sustainable Building for a Green City: Enhancing transferability of policies and good practices in the Mediterranean region, (2004) Proceedings in CD-Rom
- 84. Sarja, A, Moropoulou, A., Karoglou, M, "The networks for the sustainable construction: EU thematic network of LIFETIME ENGINEERING", International Conference in Sustainable Building for a Green City: Enhancing transferability of policies and good practices in the Mediterranean region, (2004) Proceedings in CD-Rom
- 85. Moropoulou, A., Bakolas, A., Togkalidou, T., Karoglou, M., Papapostolou, A., "Assessment of different macroporous plasters by water vapour permeability measurements", in: Influence of the Environment and Defence of the Territory on Recovery of Cultural Heritage, 6th Int. Symp. on the Conservation of Monuments in the Mediterranean Basin, eds L. Aires-Barros, F. Zezza, A. Dionisio, M. Rodrigues, Lisbon, April (2004), Proceedings in CD-Rom, pp. 302-306.
- 86. Moropoulou, A., Aggelakopoulou, E., "The role of materials in the earthquake protection of monuments", 6<sup>th</sup> International Symposium on the Conservation of Monuments in Mediterranean Basin, Lisbon, Portugal (2004)
- 87. Koui, M., Delegou, E.T., Dai, D., Rapti, E., Mavridis, T., Moropoulou, A., "FTIR for the assessment of Cleaning Interventions on Pentelic marble surfaces", in the 6th International Symposium on the Conservation of Monuments in the Mediterranean Basin, Lisbon, (2004), Proceedings in CD-Rom / Book of Abstracts, p. 128.
- 88. Moropoulou, A., Karoglou, M., Giakoumaki, A., Krokida, M.K, Maroulis, Z.B., Saravacos, G.D., "Drying kinetics of some building materials", 14th International Drying Symposium, Brazil (2004) Vol. A, pp. 145-151
- 89. Avdelidis, N.P., Moropoulou, A., "Correlation between moisture content and thermal imaging in porous stone", 10<sup>th</sup> International Congress on Deterioration and Conservation of Stone, Stockholm, Sweden (2004)
- 90. Moropoulou, A., Avdelidis, N.P., "Physico-chemical properties of stone in the Medieval City of Rhodes", 10<sup>th</sup> International Congress on Deterioration and Conservation of Stone, Stockholm, Sweden (2004)
- 91. Moropoulou, A., Aggelakopoulou, E., Bakolas, A., "Concrete design for restoration interventions on thick joints brickwork masonries of byzantine era Evaluation of mechanical characteristics", 7<sup>th</sup> International Conference on Concrete Technology in Developing Countries, eds H. Al-Mattarneh, A. Ibrahim, H. Mohd Saman, Kuala Lumpur, Malaysia, (2004) pp 115-124
- 92. Avdelidis, N.P., Moropoulou, A., Delegou, E.T., "A thermographic study for the assessment of historic structures", in the 7th Quantitative Infrared Thermography Conference (QIRT), Brussels Belgium, (2004) Proceedings
- 93. Avdelidis, N.P., Delegou, E.T., Moropoulou, A., "A thermographic survey for the

- monitoring of moisture in porous stone" in the 16th World Conference on NDT, Montreal Canada, (2004) Proceedings in CD-Rom
- 94. Moropoulou, A., Karoglou, M., Krokida, M.K., Maroulis, Z.B., Saravacos, G.D., "Prediction of hygrometric properties of building materials based on the average pore radius", 7th World Congress of Chemical Engineering, Glaskow (2005) Proceedings in CD-Rom
- 95. Marinos-Kouris, D., Teas, Ch., Karoglou, M., Krokida, M.K., Maroulis, Z.B., Moropoulou, A., "Hygroscopic Properties of Different Plasters", 32nd International Conference of SSCHE, Tatranski Matliare, (2005) Proceedings in CD-Rom
- 96. Moropoulou, A., Karoglou, M., Krokida, M.K., Maroulis, Z.B., "An integrated methodology for improving moisture performance of buildings", Sustainable Building SB'05, Tokyo, (2005) Proceedings in CD-Rom
- 97. Moropoulou, A., Karoglou, M, "Methodologies of total quality controlenvironmental impact assessment in construction", International Conference SB-04, Athens, June (2005) Proceedings in CD-Rom
- 98. Avdelidis, N.P., Delegou, E.T., Moropoulou, A., "A surface roughness investigation on pentelic marble using NDE quantification approaches", 5th National Conference of the Hellenic Society for Non-Destructive Testing, Athens, Greece (2005) Proceedings in CD-Rom.
- 99. Moropoulou. A., Karoglou, M., Krokida, M.K., Maroulis, Z.B., "A Powerful Simulator of Moisture Transfer in Historic Buildings", 10th International Conference on Durability of Building Materials and Components, Lyon, France (2005), Proceedings in CD-Rom
- 100. Moropoulou, A., Delegou, E.T., Avdelidis, N.P., Athanasiadou, A., "Integrated diagnostics using advanced in situ measuring technology", 10th International Conference on Durability of Building Materials and Components, Lyon, France (2005), Proceedings in CD-Rom
- 101. Moropoulou, A., Delegou, E.T., Giannelos, J., Geraveli, M., Tsigkakou, K., "Data bases for the assessment diagnosis and maintenance of buildings facades", 10th International Conference on Durability of Building Materials and Components, Lyon, France (2005), Proceedings in CD-Rom.
- 102. Moropoulou, A., Delegou, E.T., Aleurofa, H., Konstadinidou, M., Kiranoudis, Ch., Markatos, N., "A Fuzzy Logic Approach for the Assessment of Cleaning Interventions on Marble Surfaces", 32nd International Conference of Slovak Chemical Engineering Society, High Tatras, Slovakia, (2005), Proceedings in CD-Rom.
- 103. Moropoulou, A., Aggelakopoulou, A., "Knowledge based decision making system for the integrated managing of historic structures and archaeological sites", Conference and Brokerage event 'The Construction Aspects of Built Heritage Protection', Dubrovnik, Croatia (2006)
- 104. Moropoulou, A., Delegou, E.T., "Integrated Environmental Management for the Preservation of Historic Cities", Conference and Brokerage Event 'The Construction Aspects of Built Heritage Protection', Dubrovnik, Croatia (2006)
- 105. Moropoulou, A., Konstanti, A., Kokkinos, Ch., «Education and training in cultural heritage protection: the greek experience», Conference and Brokerage

- Event 'The Construction Aspects of Built Heritage Protection', Dubrovnik, Croatia (2006)
- 106. Aggelakopoulou, E., Moropoulou, A., Bakolas, A., "Optimization assessment of compatible repair byzantine concrete for the historic structures' restoration intervention", 16<sup>th</sup> ECF: Measuring, Monitoring and Modelling Concrete Properties, ed M. Konsta-Gdoutos, Springer, Alexandroupolis, Greece (2006) pp. 675-584
- 107. Moropoulou, A., Batis, M., Chronopoulos, M., Bakolas, A., Moundoulas, P., Aggelakopoulou, E., Rakada, E., Lambropoulos, K., Daflos, E., "Criteria and methodology for diagnosis of corrosion of steel reinforcements in restored monuments", 16<sup>th</sup> ECF: Measuring, Monitoring and Modelling Concrete Properties, ed M. Konsta-Gdoutos, Springer, Alexandroupolis, Greece (2006) pp. 563-573
- 108. Batis, G., Moropoulou, A., Chronopoulos, M., Mavronikolas, Ch., Athanasiadou, A., Bakolas, A., Moundoulas, P., Aggelakopoulou, E., "Archaeological museums of Rethymnon and Herakleion. Pilot diagnostic studies of corrosion of steel reinforcements in concrete", 16<sup>th</sup> ECF: Measuring, Monitoring and Modelling Concrete Properties, ed M. Konsta-Gdoutos, Springer, Alexandroupolis, Greece (2006) pp. 537-544
- 109. Moropoulou, A., Labropoulos K., Moundoulas, P., Bakolas, A., "The contribution of historic mortars on the earthquake resistance of Byzantine monuments", 16<sup>th</sup> ECF: Measuring, Monitoring and Modelling Concrete Properties, ed M. Konsta-Gdoutos, Springer, Alexandroupolis, Greece (2006) pp. 643-652
- 110. Moropoulou, A., "The role of materials in the earthquake protection of monuments. Fragility curves: An innovative tool for the earthquake protection of monuments", 16<sup>th</sup> ECF: Measuring, Monitoring and Modelling Concrete Properties, ed M. Konsta-Gdoutos, Springer, Alexandroupolis, Greece (2006)
- 111. Moropoulou, A., Delegou, E.T., Karaviti, E., Vlahakis, V., "Assessment of atmospheric pollution impact on the microstructure of marble surfaces", 16th European Conference of Fracture Failure Analysis of Nano and Engineering Materials and Structures, Special Symposium Measuring Monitoring and Modeling Concrete Properties: in honor of S.P. Shah (MMMCP), Alexandroupolis, Greece, (2006), pp 695-701.
- 112. Moropoulou, A., Aggelakopoulou, E., Bakolas, A., "Earthquakes and monuments The role of materials in the earthquake protection of monuments", V Int. Conf. on Structural Analysis of Historical Constructions, eds Lourenço P.B., Roca P., Modena C. and Agrawal S., New Delhi, India (2006) Vol. 3, pp. 1625-1631
- 113. Moropoulou, A., Kouloumbi, N., Konstanti, A., Haralampopoulos, G., Michailidis, P., "Increasing durability of building stones to mitigate structural pathology of historic structures", V Int. Conf. on Structural Analysis of Historical Constructions, eds Lourenço P.B., Roca P., Modena C. and Agrawal S., New Delhi, India (2006) Vol. 3, pp. 1485-1492
- 114. Kapsalas, P., Zervakis, M., Maravelaki-Kalaitzaki, P., Delegou, E.T., Moropoulou, A., "NDT detection of decay areas and evaluation of their attributes", XXI CIPA, Conference, Athens (2007) Proceedings in CD-Rom

- 115. Avdelidis, N.P., Delegou, E.T., Moropoulou, A., "Laser profilometry and flash thermography for surface roughness assessment of Pentelic marble", 4th International Conference on NDT of the Hellenic society of NDT (HSNDT) Chania, Crete, Greece (2007) Proceedings in CD-Rom
- 116. Moropoulou, A., Palyvos, J., Karoglou, M., Panagopoulos, V., "Using IR Thermography for Photovoltaic Array Performance Assessment", 4th International Conference on NDT of the Hellenic society of NDT (HSNDT) Chania, Crete, Greece (2007) Proceedings in CD-Rom
- 117. Moropoulou, A., Palyvos, J., Karoglou, M., Panagopoulos, V., "Use of IR for the study of BIPV", 2nd International Conference on Renewable Energy Sources and Energy Efficiency, ed; Cres, Athens (2007) Proceedings in CD-Rom
- 118. Moropoulou, A., Karoglou, M., Bakolas, A., Krokida, M.K., Maroulis, Z.B., Konstantopoulos, D.K., Maroulis V.Z., "An integrated methodology for the moisture performance assessment of historic buildings", in Water and Cultural Heritage, 7th International Symposium on the Conservation of Monuments in the Mediterranean Basin, Orleans, France (2007)
- 119. Moropoulou, A., Karoglou, M., "From protection of cultural heritage to sustainable building", International Forum SB08 MED&EXPO, Athens, Greece (2008) Proceedings in CD-Rom
- 120. Moropoulou, A., Delegou, E.T., Konstandinidou, M., Kiranoudis, Ch., "Decision making about cleaning interventions on marble surfaces using a fuzzy logic approach", 11th International Conference on Durability of Building Materials and Components, Istanbul, Turkey, Vol. 3, (2008) pp 1275-1285
- 121. Karoglou, M., Moropoulou, A., Krokida, M.K., Konstantopoulos, D., Maroulis, V Z., "A methodology for protection of masonries against rising damp", 11th International Conference on Durability of Building Materials and Components, Istanbul, Turkey (2008)
- 122. Polikreti, K., Moundoulas, P., Aggelakopoulou, E., "Classification of restoration mortars by principla component analysis and correlation between their properties and synthesis", 11th International Conference on Durability of Building Materials and Components, Istanbul, Turkey (2008)
- 123. Delegou, E.T., Moropoulou, A., "Evaluation, Criteria & Decision Making on Cleaning Interventions of Marble Surfaces", 11th International Congress on Deterioration and Conservation of Stone, eds. J.W. Lukaszewicz, P. Niemcewicz, Torun Poland, Vol. II (2008) pp. 1179-1188.
- 124. Kapsalas, P., Maravelaki-Kalaitzaki, P., Zervakis, M., Delegou, E.T., Moropoulou, A., "Towards Enriching the Estimation of Stone Degradation through Computer Vision Analysis", 11th International Congress on Deterioration and Conservation of Stone, eds. J.W. Lukaszewicz, P. Niemcewicz, Torun Poland, Vol. I (2008) pp. 397-406.
- 125. Moropoulou, A., Lampropoulou, A., Konstanti, A., Kiousi, A., "European Master Level Education on Protection of Cultural Heritage: National experiences and European perspectives", 8th European Commission Conference on Sustaining Europe's Cultural Heritage – CHRESP: Cultural Heritage Research meets Practice, Ljubljana, Slovenia (2008)
- 126. Moropoulou, A., Delegou, E.T., Avdelidis, N.P., "Diagnostic Study of Glass

- Tesserae from the Dome of Hagia Sophia", 5th Symposium of the Hellenic Society of Archaeometry, Athens, Greece (2008) Book of Proceedings
- 127. Stamatopoulou, E., Karoglou, M., Bakolas, A., Moropoulou, A., Nikos's (Kessanlis) "Erotica": Preservation and Conservation Strategies for the artworks made on photosensitized cement, SFIIC, Art today, Cultural properties of tomorrow, 13th Study Days of SFIIC, Paris (2009)
- 128. Delegou, E.T., Tsamasfyrou, J., Vesic, N., Mertzani, M., Bakolas, A., Chandrinos, J., Moropoulou, "Pigments characterization of 14th century wall paintings from Banjska Monastery in Serbia", International Conference TECHNART Non Destructive and Microanalytical & Techniques in art and Cultural Heritage Research, Athens (2009) p. 196.
- 129. Labropoulos, K.C., Katsiotis, N., Xinopoulou, E., Delegou, E.Th., Bakolas, A., Moropoulou, A., "Diagnostic study at the acropolis of Sarantapicho and the acropolis of Erimokastro, Rhodes", in Proc. 8<sup>th</sup> International Symposium on the Conservation of Monuments in the Mediterranean Basin, Patras (2010) accepted.