

CURRICULUM VITAE

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Personal Details

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Education

1981 - 1985: PhD University of Athens, Department of Chemistry Thesis in collaboration with National Research Centre "Demokritos" (4-year scholarship: Greek Atomic Energy commission)
1975 - 1981: University of Athens, Department of Chemistry
1969 - 1975: Secondary School in Athens (Greece)

Carrier

2006-present: Professor (Analytical Chemistry), Technical University of Crete (Department of Mineral Resources Engineering / Department of Sciences)
2001-2006: Associate Professor, Technical University of Crete (Department of Sciences)
1995-2001: Assistant Professor, Technical University of Crete (Department of Sciences)
1992-1995: Lecturer in the Technical University of Crete (Department of Sciences)
1990-1992: Post Doctoral Researcher in the National Research Centre "Demokritos" (Institute of Nuclear Technology and Radiation Protection, Environmental Radiation Laboratory).
1990-1990: Greek Chemical Company "G.K. Chemotechnical Products"
1987-1989: NRC "Demokritos" and Numismatic Museum of Athens (common research project, supported by the Greek Secretariat of Research and Technology)
1985 - 1987: Military Service (military aviation research and technology centre)

Teaching Experience

Undergraduate and Graduate level: Analytical Chemistry, Inorganic Chemistry and Physical Chemistry.

Publications

Publications in International Journals

1. Nikolaos Kallithrakas-Kontos and Spyros Foteinis, *Recent Advances in the Analysis of Mercury in Water - Review*, Current Analytical Chemistry, **12** (2016) accepted.
2. Nikolaos Kallithrakas-Kontos and Spyros Foteinis, Vasilios S. Hatzistavros and Nikolaos G. Kallithrakas-Kontos, *X-ray fluorescence mercury determination using cation selective membranes at sub-ppb levels*, Analytica Chimica Acta **809** (2014) 25-29.
3. Spyros Foteinis, Katerina Mpizoura, Giorgos Panagopoulos, Efthalia Chatzisyneon, Nikolaos Kallithrakas-Kontos, Emmanouil Manutsoglu, *A novel use of the caesium-137 technique to estimate human interference and historical water level in a Mediterranean Temporary Pond*, Journal of

- Environmental Radioactivity, **127** (2014) 75-81.
4. Spyros Foteinis, Nikolaos G. Kallithrakas-Kontos, Costas Synolakis, *Opportunistic Beach Nourishment and Heavy Metal Distribution in Coastal Sediment Compartment, the Case Study of Chania Prefecture in Greece*, The Scientific World Journal, vol. **2013** (2013), Article ID 472149, 5 pages, doi:10.1155/2013/472149
 5. Ochsenkühn-Petropoulou, M., Kefalas, P., Kallithrakas-Kontos, N. *The 7th international conference on instrumental methods of analysis: Modern trends and applications (IMA 2011)*, Analytical and Bioanalytical Chemistry **104** (2012) 683-684.
 6. V. Hatzistavros and N. Kallithrakas-Kontos, *Determination of Trace Perchlorate Concentrations by Anion-Selective Membranes and Total Reflection X-ray Fluorescence Analysis*, Analytical Chemistry **83** (2011) 3386-3391.
 7. P. Maravelaki-Kalaitzaki, A. Galanos, I. Doganis, N. Kallithrakas-Kontos, *Physico-chemical characterization of mortars as a tool in studying specific hydraulic components: application to the study of ancient Naxos aqueduct*, Applied Physics A, **104** (2011) 335-348.
 8. I.N. Aretaki and N. Kallithrakas-Kontos, Total reflection X-Ray Fluorescence selenium analysis after reduction and quartz reflector adsorption, J. Anal. At. Spectrom **24** (2009) 979-982.
 9. A. Sarris, E. Kokinou, E. Aidona, N. Kallithrakas-Kontos, P. Koulouridakis, G. Kakoulaki, K. Droulia, O. Damianovits, Environmental Study for Pollution in the Area of Megalopolis Power Plant (Peloponnesos Greece), Environmental Geology **58** (2009) 1769-1783
 10. V. Hatzistavros, N. Kallithrakas-Kontos, TXRF Cation analysis by anionic membrane collection, X-Ray Spectrometry **38** (2009) 229-233.
 11. N. Kallithrakas-Kontos, P. Koulouridakis, V. Hatzistavros and I.N. Aretaki, Chromium Speciation by TXRF Analysis, X-Ray Spectrometry **38** (2009) 152-156.
 12. M. Budak, P. Maravelaki-Kalaitzaki, N. Kallithrakas-Kontos, Chemical characterization of Cretan clays for the design of restoration mortars, Microchimica Acta **162** (2008) 325-331.
 13. V. Hatzistavros, N. Kallithrakas-Kontos, Trace element ink spiking for signature authentication, Journal of Radioanalytical and Nuclear Chemistry **277** (2008) 399-404.
 14. P. Maravelaki-Kalaitzaki, N. Kallithrakas-Kontos, Z. Agioutantis, S. Maurigiannakis, D. Korakaki, A comparative study of porous limestones treated with silicon-based strengthening agents, Progress in Organic Coatings **62** (2008) 49-60.
 15. V. Hatzistavros, P. Koulouridakis, I. Aretaki, N. Kallithrakas-Kontos, Bromate determination in water after membrane complexation and Total Reflection X-Ray Fluorescence Analysis, Analytical Chemistry **79** (2007) 2827-2832.
 16. Tsangaraki-Kaplanoglou, S. Theohari, Th. Dimogerontakis, N. Kallithrakas-Kontos, Yar-Ming Wang, Hong-Hsiang (Harry) Kuo and S. Kia, An investigation of electrolytic coloring process of anodized aluminium coatings Surface and Coating Technology **201** (2006) 2749-2759.
 17. P. Maravelaki-Kalaitzaki, N. Kallithrakas-Kontos, D. Korakaki, Z. Agioutantis, S. Maurigiannakis, Evaluation of silicon based strengthening agents Progress in Org Coat **57** (2006) 147-148.
 18. K. Tyrovola, N. Nikolaidis, N. Veranis, N. Kallithrakas-Kontos, P. Koulouridakis, Arsenic removal from geothermal waters with zero-valent iron - Effect of temperature, phosphate and nitrate, Water Research **40** (2006) 2375-2386
 19. I. N. Aretaki, P. Koulouridakis and N. Kallithrakas-Kontos, TXRF mercury analysis after immobilization on quartz surfaces, Analytica Chimica Acta **562** (2006) 252-257
 20. P. Koulouridakis, N. Kallithrakas-Kontos and V. Gekas, Seawater Mercury Analysis at ppb Levels, Instrumentation Science and Technology **34** (2006) 425-433
 21. I. Tsangaraki-Kaplanoglou, S. Theohari, Th. Dimogerontakis, N. Kallithrakas-Kontos, Yar-Ming Wang, Hong-Hsiang (Harry) Kuo and S. Kia, Effect of alloy types on the electrolytic coloring process of aluminium, Surface and Coating Technology **200** (2006) 3969-3979
 22. V. Hatzistavros, P. Koulouridakis and N. Kallithrakas-Kontos, Complexing membrane for uranium detection by TXRF, Analytical Sciences **21** (2005) 823-826
 23. N. Kallithrakas-Kontos and P. Maravelaki-Kalaitzaki, EDXRF as an analytical tool in art: case studies from pigment identification and treatment assessment, Journal of Radioanalytical and

- Nuclear Chemistry **262** (2004) 713-719.
24. P. Koulouridakis and N. Kallithrakas-Kontos, Selective Mercury Determination after Membrane Complexation and Total Reflection X-Ray Fluorescence Analysis, *Analytical Chemistry* **76** (2004) 4315-4319.
 25. P. Koulouridakis, E. Domazos, S. Galani-Nikolakaki and N. Kallithrakas-Kontos, Low Level Lead Determination after Membrane Complexation and TXRF Analysis, *Microchimica Acta* **146** (2004) 245-250.
 26. N. Kallithrakas-Kontos, TXRF Heavy metal analysis after immobilization as PAN complexes, *X-Ray Spectrometry* **33** (2004) 12-15
 27. N. Maravelaki-Kalaitzaki and N. Kallithrakas-Kontos, Pigment and Terracotta analyses of Hellenistic figurines in Crete, *Analytica Chimica Acta* **497** (2003) 209-225
 28. A. Karydas, S. Galanopoulos, Ch Zarkadas, T. Paradellis and N. Kallithrakas-Kontos, Chemical state speciation by resonant Raman scattering, *Journal of Physics-Condensed Matter* **14** (2002) 12367-12381
 29. I Yentekakis, R. Lambert, M. Konsolakis and N. Kallithrakas-Kontos, On the effects of residual chloride and on barium promotion on Pt/ γ -Al₂O₃ catalysts in the reduction of NO by propene, *Catalysis Letters*, **81** (2002) 181-185
 30. S. Galani-Nikolakaki, N. Kallithrakas-Kontos and A.A. Katsanos, Analysis of Cretan wines and wine products, *The Science of the Total Environment* **285** (2002) 155-163
 31. N. Pasadakis, N. Varotsis and N. Kallithrakas, The influence of pressure on asphaltene content and composition of oils, *Petroleum Science and Technology* **19** (2001) 1219-1227
 32. N. Kallithrakas-Kontos, A. Katsanos and J. Touratsoglou, Trace element analysis of Alexander the Great's silver Tetradrachms minted in Macedonia, *Nuclear Instruments and Methods B* **171** (2000) 342-349.
 33. N. Kallithrakas-Kontos, R. Moshohoritou, V. Nini, and I. Tsangaraki-Kaplanoglou, Investigation of the relationship between the reflectance and the deposited nickel and tin amount on the aluminium anodic oxide film, *Thin Solid Films* **326** (1998) 166-170.
 34. N. Kallithrakas-Kontos, K. Zoumi, S. Nikolakaki, and P. Kritidis, Trace element and radioactivity analysis of aerosol particles produced in the area of Ptolemais (Greece), *Journal of Radioanalytical and Nuclear Chemistry* **227** (1998) 61-65.
 35. N. Kallithrakas-Kontos and R. Moschochoritou, Vanadium Speciation by EDXRF, *X-Ray Spectrometry* **27** (1998) 173-176.
 36. N. Kallithrakas-Kontos, X-Ray chemical shift determination by energy dispersive detection, *Spectrochimica Acta B* **51** (1996) 1655-1659.
 37. I. Tsangaraki-Kaplanoglou, R. Moshohoritou and N. Kallithrakas-Kontos, The use of triarylmethane colouring matters in the formation of a decorative coating on an aluminium surface, *Journal of Society of Dyers and Colourists* **112** (1996) 127-131
 38. N. Kallithrakas-Kontos, A.A. Katsanos, C. Potiriadis, M. Oeconomidou and J. Touratsoglou, PIXE analysis of ancient Greek copper coins minted in Epirus, Illyria, Macedonia and Thessaly, *Nuclear Instruments and Methods B* **109/110** (1996) 662-666.
 39. P. Kritidis, V. Kamenopoulou and N. Kallithrakas-Kontos, Indoor radon concentrations in Athens determined with an optimised track-etch detector technique, *Radiation Protection and Dosimetry* **55** (1994) 149-152.
 40. N. Kallithrakas-Kontos and A.A. Katsanos, Efficiency calibration of a Ge(in) semiconductor detector by thin and thick target PIXE, *X-Ray Spectrometry* **23** (1994) 96-99.
 41. N. Kallithrakas-Kontos, A.A. Katsanos, A. Aravantinos, A. Oeconomides and J. Touratsoglou, Study of ancient Greek copper coins from Nikopolis (Epirus) and Thessaloniki (Macedonia), *Archaeometry* **35** (1993) 265-278.
 42. N. Kallithrakas-Kontos and A.A. Katsanos, K-shell X-Ray production by protons in vacuum and gaseous environment, *International Journal of PIXE* **3** (1993) 31-44
doi:10.1142/S0129083593000033 .
 43. E. Kaplanoglou, R. Moshohoritou and N. Kallithrakas-Kontos, The use of a natural dye for the

formation of a thin coloured coating on aluminium surface, *Journal of Society of Dyes and Colourists* **105** (1989) 114-119.

44. A. A. Katsanos, A. Aravantinos, and N. Kallithrakas-Kontos, Thick target x-ray yields from proton bombardement, *X-Ray spectrometry* **17** (1988), 13-16.
45. A. A. Katsanos, P. K. Kakanis and N. Kallithrakas-Kontos, The x-ray continua from proton bombardement of thick targets in He, *Nuclear Instruments and Methods B* **3** (1984) 52-56.

Chapters in books

46. N. Kallithrakas-Kontos and P. Maravelaki-Kalaitzaki, "Non-destructive qualitative and quantitative analyses of a Minoan ring by a portable EDXRF", in E. Papadopoulou, "Gifts to the Goddess: A Gold Ring from Mylopotamos, Rethymnon", *Mitteilungen des Deutschen Archäologischen Instituts, Athenische Abteilung (AM)*, 126, in press 2013.
47. Nikolaos G. Kallithrakas-Kontos and Ioanna-Nikol I. Aretaki, *Gold analysis after nanoparticle adsorption on quartz reflectors and Total Reflection X-Ray Fluorescence (TXRF) analysis*, Chapter in the book: *New Developments in Quartz Research: Varieties, Crystal Chemistry and Uses in Technology*, ISBN: 978-162417265-6, Nova Science Publishers, Inc., NY 2012
48. S. Galani-Nikolakaki and N. Kallithrakas-Kontos, Trace Elements in Wine, Chapter in the book: "Mineral Components in Foods", ISBN: 0849322340, Eds P. Szefer and J. Nriagu, CRC Press 2006.
49. N. Kallithrakas-Kontos and A.A. Katsanos, *PIXE analysis of ancient coins*, Special Publications of Royal Numismatic Society 30 (1998) 461-471, ISBN: 0901405388, eds. Oddy and Cowell, London, UK.

International Conferences Proceedings

50. S. Foteinis, N. Kallithrakas-Kontos and C. Anagnostou, Preliminary results of the chemical composition of deep sea sediments from the greater area of Santorini, 9th International Conference on "Instrumental Methods of Analysis-Modern Trends and Applications", 20-24 September 2015, Kalamata, Greece <http://www.ima2015.teikal.gr/>
51. N. Kallithrakas-Kontos and R. Moschochoritou, Sulphur Speciation by a Si-PIN X-ray detector, 9th International Conference on "Instrumental Methods of Analysis-Modern Trends and Applications", 20-24 September 2015, Kalamata, Greece <http://www.ima2015.teikal.gr/>
52. N. Kallithrakas-Kontos, TXRF analytical methodologies and sample preparation procedures for ultra-trace elements analysis, ICTP-IAEA School on Novel Experimental Methodologies for Synchrotron Radiation Applications in Nano-science and Environmental Monitoring, 17-28 November 2014, Invited Speaker, Trieste, Italy <http://indico.ictp.it/event/a13226/speakers>
53. Nikolaos Kallithrakas-Kontos, Spyros Foteinis, Application of Caesium-137 Technique for Studying Environmental Sensitive Areas, 9th Aegean Analytical Chemistry Days (AACD2014), 29 September-3 October 2014, Chios, Greece http://www.chem.uoa.gr/aacd2014/BOOK_OF_ABSTRACTS.pdf
54. N. Kallithrakas-Kontos and V. Hatzistavros, Development of Polymeric Membranes for Ion Analyses in Solutions with TXRF, European Materials Research Society 2014 Spring Meeting Symposium H, May 26th-30th - Lille Congress Center, France http://www.emrs-strasbourg.com/index.php?option=com_abstract&task=view&id=243&day=2014-05-27&year=2014&Itemid=99999999&id_season=11&PHPSESSID=d495ed058d8debd72bfbcaeca328ac
55. N. Kallithrakas-Kontos, F. Stathogianni, E. Manoutsoglou, Rare Earth determination in Cretan Metamorphic Rocks by EDXRF, 8th International Conference on Instrumental Methods of Analysis (IMA) 15-19 September 2013, Thessaloniki, Greece. <http://ima2013.web.auth.gr/>
56. Nikolaos Kallithrakas-Kontos and Maria Lykaki, Rare Earth Analysis by Mobile X-Ray Fluorescence, 44th World Chemistry Congress, 11 - 16 August, 2013, Istanbul, Turkey http://www.iupac2013.org/world_chemistry_congress.asp
57. Nikolaos Kallithrakas-Kontos and R. Moshohoritou, Heavy Metals Determination in Lipsticks, 44th World Chemistry Congress, 11 - 16 August, 2013, Istanbul, Turkey http://www.iupac2013.org/world_chemistry_congress.asp

58. Foteinis S., Kallithrakas-Kontos N.G., Synolakis C. Opportunistic beach nourishment in Greece - a possible source of heavy metals in eroding beaches, 3rd International Conference on Industrial and Hazardous Waste Management, 12-14 September 2012, Chania, Crete, Greece
59. N. Kallithrakas-Kontos and V. Hatzistavros, Selective membranes in X-Ray Analysis: A reconcentration step or a sensor?, European Conference on X-Ray Spectrometry, 18-22 June 2012, Vienna, Austria, Invited Speaker <http://www.ati.ac.at/EXRS2012/index.html>
60. N. Kallithrakas-Kontos and V. Hatzistavros, Anion Species Analysis by Total Reflection X - Ray Fluorescence, The 14th International Conference on TXRF and Related Techniques, 6-9/6/2011, Dortmund, Germany. Invited Speaker <http://txrf2011.org/>
61. N. Kallithrakas-Kontos, Rare earth analysis by EDXRF, TECHNART 2011, 26-29/4/2011, Berlin, http://www.technart2011.bam.de/en/technart2011_pictures/11-04-18_final_poster-sessions-1-2.pdf
62. S. Foteinis, C. Synolakis, N. G. Kallithrakas-Kontos, Occurrence of Heavy Metals on the Coastal Zone of the Cretan Region of Chania, Greece, 16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region (MESAEP) 24-27/9/2011, Ioannina, Greece. <http://www.mesaep.org/fileadmin/MESAEP/PDF/2011/final-preliminary.pdf>
63. V. Hatzistavros and N. Kallithrakas-Kontos, Perchlorate Analysis by Total Reflection X-ray Fluorescence, 7th Aegean Analytical Chemistry Days, 29 September – 3 October 2010, Lesvos, Greece. <http://www.chem.uoa.gr/aacd2010/>
64. N. Kallithrakas-Kontos, R. Moschochoritou, The use of X-Ray Fluorescence as an educational tool, European Conference on Research in Chemistry Education, 4-7 July 2010, Krakow, Poland. <http://ecrice2010.ap.krakow.pl/>
65. V. Hatzistavros and N. Kallithrakas-Kontos, Determination of Trace Perchlorate Concentrations by Anion Selective Membranes and TXRF Analysis, EXRS (European Conference on X-Ray Spectrometry), 20-25 June 2010, Figueira da Foz, Coimbra, Portugal. <http://exrs2010.fis.uc.pt/>
66. N. Kallithrakas-Kontos and V. Hatzistavros, Selective Membrane Ion Separation and TXRF Analysis, TXRF 2009, 15-19 June 2009, Gothenburg, Sweden <http://www2.chem.gu.se/atmo/txrf2009.html>
67. N. Maravelaki and N. Kallithrakas-Kontos, EDXRF and FTIR combined studies of archaeological artworks in Crete, TECHNART 2009 - Non-destructive and Microanalytical Techniques in Art and Cultural Heritage, 27-30 April 2009, Athens, Greece. <http://www.inp.demokritos.gr/~technart2009/>
68. I.N. Aretaki and N. Kallithrakas-Kontos, TXRF Analysis After Trace Element Reduction and Adsorption on Quartz Reflectors, 6th Aegean Analytical Chemistry Days, 9-12 October 2008, Denizli, Turkey. <http://aacd2008.pamukkale.edu.tr/index.php>
69. A. Galanos, I. Doganis, P. Maravelaki-Kalaitzaki, N. Kallithrakas-Kontos, Investigation of Durable Cast Stone Mortars for Use in a Marine Environment, Stone 2008, 15-20 September 2008, Torun, Poland. <http://www.stone2008.pl/index.php?page=scientificProgramme>
70. G. Souflias, N. Kallithrakas-Kontos and V. Gekas, Removal of Heavy Metals from wastewaters using Greek Coals, 4th IASME/WSEAS International Conference on Energy Environment Ecosystems and Sustainable Development (EEESD'08), Algarve, Portugal, June 11-13, 2008. <http://www.wseas.org/conferences/2008/portugal/eesd/index.html>
71. V. Hatzistavros, and N. Kallithrakas-Kontos, TXRF Cation Analysis by Anionic Membrane Collection, European Conference on X-Ray Spectrometry, 16-20 June 2008, Cavtat, Dubrovnik, Croatia. <http://exrs2008.irb.hr/>
72. R. Moschochoritou and N. Kallithrakas-Kontos, Analysis of Methyl Bromide Ozone Depleting Substance, European Conference on X-Ray Spectrometry, European Conference on X-Ray Spectrometry, 16-20 June 2008, Cavtat, Dubrovnik, Croatia. <http://exrs2008.irb.hr/>
73. Galanos A., Doganis I., Maravelaki-Kalaitzaki P., Kallithrakas-Kontos N., Hydraulic, Mortars and Plasters at the Ancient Aqueduct of Naxos, Greece, 11th International Congress on Deterioration and Conservation of Stone, 15-20/9/2008, Torun, Poland, pp. 627-634.
74. N. Maravelaki, A. Galanos, I. Doganis, N. Kallithrakas-Kontos, "Pigmented plasters at the Acropolis of ancient Karthaia", Greece, 5th Symposium of the Hellenic Society for Archaeometry, 8-10/10/2008, Athens
75. N. Kallithrakas-Kontos, J. Markogiannakis and S. Galani-Nikolakaki, In situ Cadmium analysis in

- coolers by a mobile X-Ray Fluorescence system, 5th Instrumental Methods of Analysis (IMA) Rio, Patras, Greece 30/9/2007-4/10/2007
http://ima07.iceht.forth.gr/index.php?option=com_weblinks&catid=15&Itemid=38
76. Roumpini Moschochoritou, Nikolaos Kallithrakas-Kontos, Throwing power measurement by Ion Beam Analysis, 9th european conference on accelerators in applied research and technology, September 3-7, 2007, Convitto della Calza, Florence, Italy
http://labec.fi.infn.it/ecaart9/Download/Bookofabstract_aggiornato%20fine%20agosto.pdf
 77. Nikolaos Kallithrakas- Kontos, Vasilios Hatzistavros, Pavlos Koulouridakis, Ioanna Aretaki, Andreas Karydas, Heavy element analysis after membrane preconcentration, 9th european conference on accelerators in applied research and technology, September 3-7, 2007, Convitto della Calza, Florence, Italy,
http://labec.fi.infn.it/ecaart9/Download/Bookofabstract_aggiornato%20fine%20agosto.pdf
 78. Nikos Kallithrakas-Kontos and Vassilis Chatzistavros, Anion Analysis by Total Reflection X-Ray Fluorescence, 5th Aegean Analytical Chemistry Days, Thessaloniki, Greece, 5-8/10/2006.
http://web.auth.gr/aegean_acd_2006/
 79. N.Kallithrakas-Kontos, P.Koulouridakis, V.Hatzistavros Chromium speciation by membrane complexation and TXRF analysis, International Congress on Analytical Sciences, 25-30 June 2006, Moscow, Russia. <http://www.icas2006.ru/>
 80. N. Kallithrakas-Kontos, P. Koulouridakis, V. Hatzistavros, I. Aretaki, Total Reflection X-Ray Analysis of Bromate, European Conference on X-Ray Spectrometry, 19-23 June 2006, Paris, France.
<http://www.nucleide.org/exrs2006/>
 81. I. Aretaki, P. Koulouridakis and N. Kallithrakas-Kontos, TXRF Mercury Analysis after immobilization on quartz surfaces, 4th International Conference on Instrumental Methods of Analysis, Modern Trends and Applications, 2-6 October 2005, Iraklion, Crete, Greece
<http://147.52.130.151/ima/index.cfm>
 82. N. Kallithrakas-Kontos, X-Ray line fitting and chemical speciation, 17th International Conference on Ion Beam Analysis, 26 June-1 July 2005, Seville, Spain <http://www.us.es/iba2005/>
 83. N. Kallithrakas-Kontos, P. Koulouridakis, S. Galani Nikolakaki, and R. Moschochoritou, Observations on Volumetric Analysis Results in an Introductory Chemistry Laboratory, 18th International Conference on Chemistry Education, 3-8 August 2004, Istanbul, Turkey
<http://www.turchemsoc.org/icce/web/index.asp>
 84. N. Kallithrakas-Kontos and P. Koulouridakis, Selective Mercury Analysis in Natural and Seawaters at ppb Levels, European Conference on X-Ray Spectrometry, 6-11 June 2004, Alghero, Italy.
<http://exsa.pytalhost.net/EXRS/2004EXRS.pdf>
 85. N. Kallithrakas-Kontos and R. Mochochoritou, Solvation Effect Determination by EDXRF, European Conference on X-Ray Spectrometry, 6-11 June 2004, Alghero, Italy.
<http://exsa.pytalhost.net/EXRS/2004EXRS.pdf>
 86. P. Koulouridakis and N. Kallithrakas-Kontos, Nafion® Membrane Treatment for Low Level Lead Determination by TXRF, 14th Symposium of the Hellenic Nuclear Physics Society, National Technical University of Athens, May 21-22, 2004 <http://www.physics.ntua.gr/sciprogram.doc>
 87. N. Kallithrakas-Kontos and N. Maravelaki-Kalaitzaki, EDXRF Study of Late Minoan Metallic Artworks from Crete International Symposium on Aegean Metallurgy in Bronze Age, 19-21 November 2004, University of Crete Rethymno, Greece.
http://147.52.130.151/istoria_gr/anitem.cfm?AnnID=592
 88. N. Maravelaki-Kalaitzaki, Z. Agioutantis, S. Maurigiannakis, N. Kallithrakas-Kontos, Evaluation of the effectiveness of silicon-based strengthening agents on porous limestones, Proceedings 10th International Congress on Deterioration and Conservation of Stone, Stockholm June 27-July 2, 2004, ICOMOS Sweden, edited by D. Kwiatkowski and R. Lofvendahl, vol. I, pp. 487-494.
 89. N. Kallithrakas-Kontos and P. Koulouridakis, TXRF Uranium Analysis in Water at ppb Levels, European Conference on Analytical Chemistry, 5-10 September 2004, Salamanca, Spain.
<http://www.euroanalysis13.com/>
 90. N. Maravelaki-Kalaitzaki and N. Kallithrakas-Kontos, Cinnabar find in Hellenistic Tombs: Preservative or Cosmetic Purposes? 4th Symposium on Archaeometry, 28-31 May 2003, Athens,

- Greece. http://www.archaeometry.gr/oldv/symposium2003/pages_en/main.htm
91. N. Maravelaki-Kalaitzaki, N. Kallithrakas-Kontos, "Barium hydroxide as strengthening agent for porous limestones: assessment of efficiency after fifteen years of treatment", Proceedings of Science and Cultural Heritage XIXth International Congress, Reversibility in Restorations, thoughts, experiences, research routes, July 2003, Bressanone, Italy, pp. 307-315.
<http://www.arcadiaricerche.it/programma%202003.pdf>
 92. N. Kallithrakas-Kontos and A. Karydas, Chemical Shift and Resonant Raman Scattering, Instrumental Methods of Analysis, Modern Trends and Applications, 23-27 September 2003, Thessaloniki, Greece
 93. N. Maravelaki-Kalaitzaki, N. Kallithrakas-Kontos, Surface Analysis in Archaeology and Conservation by EDXRF, Proceedings of the 3rd International Conference on Non-Destructive Testing of the Hellenic Society for NDT, 15-18 October 2003, Chania, Crete, Greece, pp. 235-240
 94. E. Domazos, P. Koulouridakis, S. Galani-Nikolakaki and N. Kallithrakas-Kontos, Low level lead analysis after membrane complexation and TXRF analysis, 3rd Aegean Analytical Chemistry Days, Lesvos, Greece, September 29 – October 3, 2002
 95. N. Kallithrakas-Kontos, Measurements by Energy Dispersive XRS, 3rd International Conference Instrumental Methods of Analysis TXRF heavy metal analysis after immobilization as PAN complexes, European Conference on Energy Dispersive X-Ray Spectrometry, Berlin, Germany, June 16-21, 2002. <http://iapf.physik.tu-berlin.de/EDXRS2002/>
 96. N. Kallithrakas-Kontos and A. Katsanos, EDXRS Analysis of Alexander the Great silver coins, European Conference on Energy Dispersive X-Ray Spectrometry, Krakow, Poland, June 18-23, 2000
 97. N. Kallithrakas-Kontos and A. Katsanos, Chemical speciation by Energy Dispersive X-Ray Fluorescence, 3rd Euroconference on Environmental Analytical Chemistry, Chalkidiki, Greece, October 9-15, 1999
 98. N. Kallithrakas-Kontos and G. Kavelaki, Bromate analysis by ion chromatography separation and x-ray detection, 1st International Conference on Instrumental Methods of Analysis, Modern Trends and Applications, Chalkidiki, Greece, September 19-22, 1999
 99. N. Kallithrakas-Kontos and R. Moshohoritou, Energy deconvolution of x-ray overlapping peaks, Advances in Nuclear Physics and Related Areas, Thessaloniki, Greece 5-12 July 1997.
 100. N. Kallithrakas-Kontos and R. Moshohoritou, Vanadium speciation by EDXRF, European Conference on Energy Dispersive X-Ray Spectrometry, Lisboa, June 23-29 1996.
 101. N. Kallithrakas-Kontos, A.A. Katsanos, C. Potiriadis, M. Oeconomidou and J. Touratsoglou, PIXE analysis of ancient Greek copper coins minted in Epirus, Illyria, Macedonia and Thessaly, VII PIXE Conference, May 26-30 1995, Padua, Italy
 102. N. Kallithrakas-Kontos and A.A. Katsanos, PIXE analysis of ancient coins, Scientific Methods for Investigating Coins and Coinage, The British Museum, 22-24 September 1994, London, United Kingdom. Metallurgy in numismatics.
 103. N. Kallithrakas-Kontos, R. Moshohoritou and I. Tsangaraki-Kaplanoglou, Energy dispersive x-ray analysis of the tin distribution on electrolytically colored anodised aluminium, NATOASI on Application of Particle and Laser Beams in Material Technology, Chalkidiki, May 8-21, 1994.
 104. Kallithrakas-Kontos N. and A.A. Katsanos, Efficiency Calibration of a Ge(in) Semiconductor Detector by PIXE, European Conference on Energy Dispersive x-ray Spectrometry Myconos May 30/6/1992
 105. N. Kallithrakas-Kontos and A.A. Katsanos, K-shell ionization and X-ray production cross sections by protons in vacuum and gaseous environment, 2nd Hellenic Symposium on Nuclear Physics, 12, 13 April 1991, Athens, Greece.
 106. M. Oekonomides, I. Touratsoglou, A. A. Katsanos, N. Kallithrakas-Kontos, A. Aravantinos and A. Stefanidou, Study of Ancient Greek copper coins by PIXE. International conference on applications of nuclear techniques, Iraklio, Greece, 26/6 2/7/1988.
 107. N. Kallithrakas Kontos and A. A. Katsanos, PIXE cross sections in gaseous atmosphere. International conference on applications of nuclear techniques, Iraklio, Greece 26/6 2/7/1988.

Citations

More than 550 citations in International Journals (Scopus Database)

Refereeing for International Journals

- Analytical Chemistry
- Analytical Letters
- Environmental Chemistry
- Fresenius Environmental Bulletin
- International Journal of Environmental Chemistry
- Industrial Engineering Chemical Research
- Journal of Chemical Education
- Journal of Molecular Structure
- Journal of Radioanalytical and Nuclear Chemistry
- Journal of the American Chemical Society
- Microchimica Acta
- Nuclear Instruments and Methods
- Spectrochimica Acta
- Surface Coating and Technology
- The Scientific World Journal
- X-Ray Spectrometry

Participation in International Conferences

Participation in more than 50 International Conferences with presentations.

Conference Organization

Organizing Committee Chairperson (with Dr. P. Kefalas): 7th International Conference Instrumental Methods of Analysis - Modern Trends and Applications 18-22 Sept. 2011, Chania, Greece
http://www.maich.gr/ima2011/org_committee.html

International Scientific Committee: 9th International Conference Instrumental Methods of Analysis - Modern Trends and Applications, 20-24 September 2015, Kalamata, Greece
<http://www.ima2015.teikal.gr/index.php/organizers/scientific-committee>

Local Organizing Committee: 4th International Conference on New Frontiers in Physics, 24-30 August 2015, Kolymbari, Crete, Greece <http://indico.cern.ch/event/344173/page/3382-organisation>

International Scientific Committee: 8th International Conference Instrumental Methods of Analysis - Modern Trends and Applications, 15-19 September 2013, Thessaloniki, Greece
<http://ima2013.web.auth.gr/organizing.htm>

Scientific Advisory Committee: 10th European Conference on Accelerators in Applied Research and Technology, 13-17 September 2010, Athens, Greece <http://www.scribd.com/doc/39538898/Book-of-Abstracts-ECAART10#scribd>

International Scientific Committee: 7th Aegean Analytical Chemistry Days, 29 September - 3 October 2010, Lesvos, Greece http://www.chem.uoa.gr/AACD2010/AACD03_scientific_com.htm

International Scientific Committee: 6th International Conference Instrumental Methods of Analysis -

PhD Student Supervision

- Pavlos Koulouridakis (completed 2008)
- Vasilios Hatzistavros (completed 2010)
- Ioanna-Nikol Aretaki (completed 2011)
- Dimitrios Xarchoulakos (started 2015)

Positions of Responsibility

- 1/2/2013 - present: Member of the Council of the Technical University of Crete
- 1/9/2003-31/8/2007 Chairman of the Department of Sciences of the Technical University of Crete
- 1/9/2001-31/8/2003 and 1/9/2011- 28/5/2013: vice-Chairman of the Department of Sciences of the Technical University of Crete
- October 2007 - May 2013: Member of the Research Committee of the Technical University of Crete
- January 2008 - May 2013: Head of the post-graduate Committee of the Department of Sciences, Technical University of Crete
- 31/3/2001 - present Head of the Analytical and Environmental Chemistry Lab. of the Department of Sciences of the Technical University of Crete.
- 2014-present: Head of the Committee of the post-graduate programme “Geotechnology and Environment”, Department of Mineral Resources Engineering, Technical University of Crete
- 1/2/2013 - present: Member of the Council of the Technical University of Crete

Languages: Greek (mother tongue), English