

CURRICULUM VITAE
Professor Dr. Nikolaos KALLITHRAKAS-KONTOS
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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 and 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

Teaching Experience

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

Publications

Publications in international peer-reviewed Journals

1. N. Kallithrakas-Kontos, D.C. Xarchoulakos, P.E. Bouladaki¹, C. Potiriadis and K. Kehagia, *Selective membrane complexation of uranium isotopes in water samples*, Analytical Chemistry **90** (2018) 4611-4615, DOI: 10.1021/acs.analchem.7b05115
2. Margu, E., Queralt, I., Guerra, M., Kallithrakas-Kontos, N. *Mercury determination at trace levels using membrane preconcentration and benchtop total reflection X-ray fluorescence analysis*, Spectrochimica Acta – Part B Atomic Spectroscopy, **149** (2018) 84-90, DOI: 10.1016/j.sab.2018.07.020
3. Margu, E., Hidalgo, M., Migliori, A., Leani, J.J., Queralt, I., Kallithrakas-Kontos, N., Strelis, C., Karydas, A.G., *A first evaluation of the analytical capabilities of the new X-ray fluorescence facility at International Atomic Energy Agency-Elettra Sincrotrone Trieste for multipurpose total reflection*

- X-ray fluorescence analysis*, Spectrochimica Acta - Part B Atomic Spectroscopy, **145** (2018) 8-19, DOI: 10.1016/j.sab.2018.03.016
4. Lykaki, M., Pachatouridou, E., Carabineiro, S.A.C., Iliopoulou, E., Andriopoulou, C., Kallithrakas-Kontos, N., Boghosian, S., Konsolakis, M., *Ceria nanoparticles shape effects on the structural defects and surface chemistry: Implications in CO oxidation by Cu/CeO₂ catalysts*, Applied Catalysis B: Environmental, **230** (2018) 18-28, DOI: 10.1016/j.apcatb.2018.02.035
 5. Dimitrios C. Xarchoulakos, Konstantina Kehagia, Nikolaos Kallithrakas-Kontos and Constantinos Potiriadis, *Disequilibrium of dissolved ²³⁴U/²³⁸U and ²¹⁰Po/²¹⁰Pb in Greek rivers*, Journal of Radioanalytical and Nuclear Chemistry **312** (2017) 285–292, DOI 10.1007/s10967-017-5228-8
 6. Pilakouta, Mirofora, Kallithrakas-Kontos, Nikolaos; Nikolaou, Grigoris, *Determining the ⁴⁰K radioactivity in rocks using X-ray spectrometry*, European Journal of Physics 38 (2017) 055803 (10pp) <https://doi.org/10.1088/1361-6404/aa78ba>
 7. Constantinos V. Chrysikopoulos, Nikolaos P. Sotirelis and Nikolaos G. Kallithrakas-Kontos, *Cotransport of Graphene Oxide Nanoparticles and Kaolinite Colloids in Porous Media*, Transp Porous Med **119** (2017) 181–204, DOI 10.1007/s11242-017-0879-z
 8. Nikolaos Kallithrakas-Kontos, Spyros Foteinis, Katherine Paigniotaki and Minos Papadogiannakis, *A robust X-Ray Fluorescence technique for multi-elemental analysis of solid samples*, Environmental Monitoring and Assessment, **188** (2016) Article number 120, 1-10, DOI 10.1007/s10661-016-5127-4.
 9. Nikolaos Kallithrakas-Kontos and Spyros Foteinis, *Recent Advances in the Analysis of Mercury in Water - Review*, Current Analytical Chemistry, **12** (2016) 22-36.
 10. 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. DOI: 10.1016/j.aca.2013.11.045
 11. 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. DOI: 10.1016/j.jenvrad.2013.10.007
 12. 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
 13. 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.
 14. 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.
 15. 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.
 16. 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.
 17. 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
 18. V. Hatzistavros, N. Kallithrakas-Kontos, *TXRF Cation analysis by anionic membrane collection*, X-Ray Spectrometry **38** (2009) 229-233.
 19. N. Kallithrakas-Kontos, P. Koulouridakis, V. Hatzistavros and I.N. Aretaki, *Chromium Speciation by TXRF Analysis*, X-Ray Spectrometry **38** (2009) 152-156.
 20. 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.

21. V. Hatzistavros, N. Kallithrakas-Kontos, Trace element ink spiking for signature authentication, *Journal of Radioanalytical and Nuclear Chemistry* **277** (2008) 399-404.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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
27. I. N. Aretaki, P. Koulouridakis and N. Kallithrakas-Kontos, TXRF mercury analysis after immobilization on quartz surfaces, *Analytica Chimica Acta* **562** (2006) 252-257
28. P. Koulouridakis, N. Kallithrakas-Kontos and V. Gekas, Seawater Mercury Analysis at ppb Levels, *Instrumentation Science and Technology* **34** (2006) 425-433
29. 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
30. V. Hatzistavros, P. Koulouridakis and N. Kallithrakas-Kontos, Complexing membrane for uranium detection by TXRF, *Analytical Sciences* **21** (2005) 823-826
31. 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.
32. 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.
33. 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.
34. N. Kallithrakas-Kontos, TXRF Heavy metal analysis after immobilization as PAN complexes, *X-Ray Spectrometry* **33** (2004) 12-15
35. N. Maravelaki-Kalaitzaki and N. Kallithrakas-Kontos, Pigment and Terracotta analyses of Hellenistic figurines in Crete, *Analytica Chimica Acta* **497** (2003) 209-225
36. 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
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38. 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
39. 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
40. 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.
41. 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.
42. 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.
 43. N. Kallithrakas-Kontos and R. Moschochoritou, Vanadium Speciation by EDXRF, *X-Ray Spectrometry* **27** (1998) 173-176.
 44. N. Kallithrakas-Kontos, X-Ray chemical shift determination by energy dispersive detection, *Spectrochimica Acta B* **51** (1996) 1655-1659.
 45. 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
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 47. 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.
 48. 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.
 49. 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.
 50. 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 .
 51. 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.
 52. A. A. Katsanos, A. Aravantinos, and N. Kallithrakas-Kontos, Thick target x-ray yields from proton bombardement, *X-Ray spectrometry* **17** (1988), 13-16.
 53. 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

54. 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)*, Band 126-2011, 2014, ISBN: 978-3-7861-2720-8.
55. 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
56. 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.
57. 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

58. Nikolaos G. Kallithrakas, Uranium analysis in aqueous solutions by XRF spectroscopy, 35th

- International Conference on Solution Chemistry, 26-30 August 2018, Szeged, Hungary
<http://www.mke.org.hu/ICSC2018/index.php/final-programme>
59. Kallithrakas-Kontos N, Fragkos A, EDXRF Analysis of High Absorbance Samples by Liquid Analysis, 11th Aegean Analytical Chemistry Days (AACD2018), 25-29 September 2018, Chania, Crete, Greece, http://195.134.76.37/AACD2018/AACD2018_PROGRAM.pdf
 60. Eva Margui, Ferran Corbera, Ignasi Queralt, Mauro Guerra and Nikolaos Kallithrakas-Kontos, Hg determination at trace levels using membrane preconcentration and benchtop TXRF analysis, 17th International Conference on Total Reflection X-Ray Fluorescence Analysis and Related Methods, 19-22 September 2017, University of Brescia, Italy <http://txrf2017.unibs.it/home>
 61. N. Kallithrakas-Kontos and A. Fragkos, Sulphur Analysis in High Lead Content Samples by a Mobile X-Ray Fluorescence System,), 10th International Conference on Instrumental Methods of Analysis, 17-21 September 2017, Heraklion GR <http://www.ima2017.gr/program.htm>
 62. N. Kallithrakas-Kontos, Development of new complexing membranes for trace element analysis by X-Ray Spectrometry, Workshop on Ions for Cancer Therapy, Space Research and Material Science, 26-30 August 2017 Chania <https://indico.cern.ch/event/559908/timetable/#all.detailed>
 63. M. Pilakouta, N. Kallithrakas-Kontos, XRF and gamma ray spectrometry measurements in granite samples, The Conference for International Synergy in Energy, Piraeus, GR, 21- 23 September 2016 https://www.google.gr/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0ahUKewipug7W_IxWAhWMT_hoKHSI8D7MOFggxMAE&url=http%3A%2F%2Fera.teipir.gr%2Fsites%2Fdefault%2Ffiles%2Fprogram_era_-_11.doc&usq=AFQjCNE6_sBMCNccsZICNiao7FQwO9sXiA
 64. Stathogianni F., Manoutsoglou E., Staboliadis, Pantelaki O. and Kallithrakas-Kontos N., Distribution of Rare Earth Elements in Metamorphic Rocks of Plattenkalk Group at Central Crete, Greece, Bulletin of the Geological Society of Greece, Vol. L, p. 977-986, Proceedings of the 14th International Congress, Thessaloniki 25-27 May 2016
 65. 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/>
 66. 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/>
 67. Tsoukala D., Pyliotis I., Kallithrakas-Kontos N., Poteriades K., Kolovou M. and Manoutsoglou E. (2015): Distribution of radon in tectonokarstic cave structure of West Crete: Preliminary results, Geological Society of Greece, 2015 Annual Scientific Meeting, Athens (13 May), Extended abstract, pp. 46-47.
 68. 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>
 69. 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
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 71. 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/>
 72. 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

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http://www.iupac2013.org/world_chemistry_congress.asp
74. 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
75. N. Kallithrakas-Kontos and V. Hatzistavros, Selective membranes in X-Ray Analysis: A preconcentration 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>
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80. 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/>
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82. 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>
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85. 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>
86. 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/eeesd/index.html>
87. 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/>
88. 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/>
89. 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.
90. 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
91. 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
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Citations

More than 800 citations in international peer reviewed Journals (Scopus Database) h-index: 15

Refereeing for International Journals

Analytical Chemistry Analytical Letters Applied Radiation and Isotopes Environmental Chemistry Fresenius Environmental Bulletin International Journal of Envi. Chemistry Industrial Engineering Chemical Research Journal of Analytical Atomic Spectrometry Journal of Chemical Education	Journal of Molecular Structure Journal of Radioanal. 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
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Participation in International Conferences

Participation in more than 60 International Conferences with presentations.

Conference Organizing / Scientific Committee

1st International Conference on Transdisciplinary Multispectral Modeling and Cooperation for the Preservation of Cultural Heritage (TMM_CH), Athens, Greece, 10-13 October 2018
https://tmm-ch2018.com/files/TMM_CH_Steering_Committee.pdf

11th Aegean Analytical Chemistry Days (AACD2018), 25-29 September 2018, Chania, Crete, Greece
http://195.134.76.37/AACD2018/AACD03_scient_comm.htm

International Scientific Committee: 10th International Conference Instrumental Methods of Analysis - Modern Trends and Applications, 17-21 September 2017, Heraklion, Crete Greece
<http://www.ima2017.gr/international.htm>

Workshop on Ions for cancer therapy, space research and material science, 26-30 August 2017, Chania Greece, <https://indico.cern.ch/event/559908/page/8026-organization>

5th International Conference on New Frontiers in Physics (ICNFP 2016), 6-14 July 2016, Kolymbari, Crete, Greece <https://indico.cern.ch/event/442094/>

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>

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

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 - Modern Trends and Applications, 4-8 October 2009, Athens, Greece
http://www.chem.uoa.gr/ima2009/IMA_03_scientific_com.htm

PhD Student Supervision

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

Principal Investigator

Principal investigator and Research Team main member in numerous research projects concerning analytical chemistry and nuclear analytical techniques

Positions of Responsibility

- 01/12/2017 - present: Technical University of Crete, Vice-Rector of Finance, Planning and Development
- 22/12/2017 - present: Vice- Chairman of the Greek Atomic Energy Commission
- 31/03/2001 -present: Head of the Analytical and Environmental Chemistry Lab. of the Technical University of Crete.
- 01/02/2013 - 04/08/2017: Member of the Council of the Technical University of Crete
- 2014 -2017: Head of the committee of the post-graduate programme “Geo-technology and Environment”, School of Mineral Resources Engineering, 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 committee of the post-graduate programme of the Department of Sciences, Technical University of Crete
- 01/09/2003 - 31/08/2007: Chairman of the Department of Sciences of the Technical University of Crete
- 01/09/2001 - 31/08/2003: and 1/9/2011- 28/5/2013: vice-Chairman of the Department of Sciences of the Technical University of Crete

Languages: Greek (mother tongue), English