

**CURRICULUM VITAE**  
**Professor Dr. Nikolaos KALLITHRAKAS-KONTOS**  
Technical University of Crete, Chania, Greece  
March 2019

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**Personal Details**

**Surname:** Kallithrakas-Kontos  
**First Name:** Nikolaos  
**Second Name:** George  
**Date of birth:** 10 October 1957  
**Place of birth:** Athens  
**Nationality:** Greek  
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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. Kallithrakas-Kontos N., Foteinis S., *Simple and low cost dithizone-functionalized polymer membranes as a tool for mercury preconcentration and monitoring in aqueous bodies. Preliminary results using X-ray absorption near-edge structure (XANES)*, Global NEST Journal (2019) in press, DOI: <https://doi.org/10.30955/gnj.002864>
2. N. Kallithrakas-Kontos, D.C. Xarchoulakos, P.E. Bouladaki, 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
3. Marguá, 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

4. Marguá, 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
5. 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/CeO<sub>2</sub> catalysts*, Applied Catalysis B: Environmental, **230** (2018) 18-28, DOI: 10.1016/j.apcatb.2018.02.035
6. Dimitrios C. Xarchoulakos, Konstantina Kehagia, Nikolaos Kallithrakas-Kontos and Constantinos Potiriadis, *Disequilibrium of dissolved <sup>234</sup>U/<sup>238</sup>U and <sup>210</sup>Po/<sup>210</sup>Pb in Greek rivers*, Journal of Radioanalytical and Nuclear Chemistry **312** (2017) 285–292, DOI 10.1007/s10967-017-5228-8
7. Pilakouta, Mirofora, Kallithrakas-Kontos, Nikolaos; Nikolaou, Grigoris, *Determining the <sup>40</sup>K radioactivity in rocks using X-ray spectrometry*, European Journal of Physics **38** (2017) 055803 (10pp) <https://doi.org/10.1088/1361-6404/aa78ba>
8. 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
9. 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.
10. Nikolaos Kallithrakas-Kontos and Spyros Foteinis, *Recent Advances in the Analysis of Mercury in Water - Review*, Current Analytical Chemistry, **12** (2016) 22-36.
11. 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
12. 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
13. 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
14. 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.
15. 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.
16. 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.
17. 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.
18. 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
19. V. Hatzistavros, N. Kallithrakas-Kontos, *TXRF Cation analysis by anionic membrane collection*, X-Ray Spectrometry **38** (2009) 229-233.
20. N. Kallithrakas-Kontos, P. Koulouridakis, V. Hatzistavros and I.N. Aretaki, *Chromium Speciation*

- by TXRF Analysis, X-Ray Spectrometry **38** (2009) 152-156.
21. 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.
  22. V. Hatzistavros, N. Kallithrakas-Kontos, Trace element ink spiking for signature authentication, *Journal of Radioanalytical and Nuclear Chemistry* **277** (2008) 399-404.
  23. 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.
  24. 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.
  25. 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.
  26. 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.
  27. 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
  28. I. N. Aretaki, P. Koulouridakis and N. Kallithrakas-Kontos, TXRF mercury analysis after immobilization on quartz surfaces, *Analytica Chimica Acta* **562** (2006) 252-257
  29. P. Koulouridakis, N. Kallithrakas-Kontos and V. Gekas, Seawater Mercury Analysis at ppb Levels, *Instrumentation Science and Technology* **34** (2006) 425-433
  30. 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
  31. V. Hatzistavros, P. Koulouridakis and N. Kallithrakas-Kontos, Complexing membrane for uranium detection by TXRF, *Analytical Sciences* **21** (2005) 823-826
  32. 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.
  33. 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.
  34. 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.
  35. N. Kallithrakas-Kontos, TXRF Heavy metal analysis after immobilization as PAN complexes, *X-Ray Spectrometry* **33** (2004) 12-15
  36. N. Maravelaki-Kalaitzaki and N. Kallithrakas-Kontos, Pigment and Terracotta analyses of Hellenistic figurines in Crete, *Analytica Chimica Acta* **497** (2003) 209-225
  37. 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
  38. I Yentekakis, R. Lambert, M. Konsolakis and N. Kallithrakas-Kontos, On the effects of residual chloride and on barium promotion on Pt/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> catalysts in the reduction of NO by propene, *Catalysis Letters*, **81** (2002) 181-185
  39. 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
  40. 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
  41. 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.
42. 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.
  43. 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.
  44. N. Kallithrakas-Kontos and R. Moschochoritou, Vanadium Speciation by EDXRF, *X-Ray Spectrometry* **27** (1998) 173-176.
  45. N. Kallithrakas-Kontos, X-Ray chemical shift determination by energy dispersive detection, *Spectrochimica Acta B* **51** (1996) 1655-1659.
  46. 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
  47. 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.
  48. 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.
  49. 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.
  50. 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.
  51. 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 .
  52. 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.
  53. A. A. Katsanos, A. Aravantinos, and N. Kallithrakas-Kontos, Thick target x-ray yields from proton bombardement, *X-Ray spectrometry* **17** (1988), 13-16.
  54. 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

55. 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.
56. 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
57. 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.
58. 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,

## International Conferences Proceedings

59. Nikolaos G. Kallithrakas, Uranium analysis in aqueous solutions by XRF spectroscopy, 35<sup>th</sup> International Conference on Solution Chemistry, 26-30 August 2018, Szeged, Hungary <http://www.mke.org.hu/ICSC2018/index.php/final-programme>
60. Kallithrakas-Kontos N, Fragkos A, EDXRF Analysis of High Absorbance Samples by Liquid Analysis, 11<sup>th</sup> Aegean Analytical Chemistry Days (AACD2018), 25-29 September 2018, Chania, Crete, Greece, [http://195.134.76.37/AACD2018/AACD2018\\_PROGRAM.pdf](http://195.134.76.37/AACD2018/AACD2018_PROGRAM.pdf)
61. Eva Margui, Ferran Corbera, Ignasi Queralt, Mauro Guerra and Nikolaos Kallithrakas-Kontos, Hg determination at trace levels using membrane preconcentration and benchtop TXRF analysis, 17<sup>th</sup> 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>
62. N. Kallithrakas-Kontos and A. Fragkos, Sulphur Analysis in High Lead Content Samples by a Mobile X-Ray Fluorescence System, ), 10<sup>th</sup> International Conference on Instrumental Methods of Analysis, 17-21 September 2017, Heraklion GR <http://www.ima2017.gr/program.htm>
63. 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>
64. 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=0ahUKEwipuq7W\\_IXWAh\\_WMthoKHSI8D7MQFggxMAE&url=http%3A%2F%2Fera.teipir.gr%2Fsites%2Fdefault%2Ffiles%2Fprogram\\_era\\_-\\_11.doc&usq=AFQjCNE6\\_sBMCNccsZICNIao7FQwO9sXiA](https://www.google.gr/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&ved=0ahUKEwipuq7W_IXWAh_WMthoKHSI8D7MQFggxMAE&url=http%3A%2F%2Fera.teipir.gr%2Fsites%2Fdefault%2Ffiles%2Fprogram_era_-_11.doc&usq=AFQjCNE6_sBMCNccsZICNIao7FQwO9sXiA)
65. 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
66. 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/>
67. N. Kallithrakas-Kontos and R. Moschochoritou , Sulphur Speciation by a Si-PIN X-ray detector, 9<sup>th</sup> International Conference on "Instrumental Methods of Analysis-Modern Trends and Applications", 20-24 September 2015, Kalamata, Greece <http://www.ima2015.teikal.gr/>
68. Tsoukala D., Pylotiis 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.
69. 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>
70. Nikolaos Kallithrakas-Kontos, Spyros Foteinis, Application of Caesium-137 Technique for Studying Environmental Sensitive Areas, 9<sup>th</sup> Aegean Analytical Chemistry Days (AACD2014), 29 September-3 October 2014, Chios, Greece [http://www.chem.uoa.gr/aacd2014/BOOK\\_OF\\_ABSTRACTS.pdf](http://www.chem.uoa.gr/aacd2014/BOOK_OF_ABSTRACTS.pdf)
71. 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=d9495ed058d8debd2bfbbaeca328ac](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=d9495ed058d8debd2bfbbaeca328ac)
72. N. Kallithrakas-Kontos, F. Stathogianni, E. Manoutsoglou, Rare Earth determination in Cretan



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73. 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](http://www.iupac2013.org/world_chemistry_congress.asp)
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  75. 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
  76. 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>
  77. 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/>
  78. 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](http://www.technart2011.bam.de/en/technart2011_pictures/11-04-18_final_poster-sessions-1-2.pdf)
  79. 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>
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  81. 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/>
  82. 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/>
  83. 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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109. 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
110. 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
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114. 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
115. 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
116. 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.
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### **Citations**

More than 870 citations in international peer reviewed Journals (Scopus Database), h-index: 15

### **Refereeing for International Journals**

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

### **Participation in International Conferences**

Participation in more than 60 International Conferences with presentations.

### **Conference Organizing / Scientific Committee**

11<sup>th</sup> International Conference on “Instrumental Methods of Analysis, September 22-25, 2019 Ioannina, Greece, <http://www.conferre.gr/congress/ima2019/orgcom.aspx>

1<sup>st</sup> 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](https://tmm-ch2018.com/files/TMM_CH_Steering_Committee.pdf)

11<sup>th</sup> Aegean Analytical Chemistry Days (AACD2018), 25-29 September 2018, Chania, Crete, Greece  
[http://195.134.76.37/AACD2018/AACD03\\_scient\\_comm.htm](http://195.134.76.37/AACD2018/AACD03_scient_comm.htm)

International Scientific Committee: 10<sup>th</sup> 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>

5<sup>th</sup> 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: 9<sup>th</sup> 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: 4<sup>th</sup> 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: 8<sup>th</sup> 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): 7<sup>th</sup> International Conference Instrumental Methods of Analysis - Modern Trends and Applications 18-22 Sept. 2011, Chania, Greece  
[http://www.maich.gr/ima2011/org\\_committee.html](http://www.maich.gr/ima2011/org_committee.html)

Scientific Advisory Committee: 10<sup>th</sup> 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: 7<sup>th</sup> Aegean Analytical Chemistry Days, 29 September - 3 October 2010, Lesvos, Greece [http://www.chem.uoa.gr/AACD2010/AACD03\\_scientific\\_com.htm](http://www.chem.uoa.gr/AACD2010/AACD03_scientific_com.htm)

International Scientific Committee: 6<sup>th</sup> 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](http://www.chem.uoa.gr/ima2009/IMA_03_scientific_com.htm)

#### **PhD Student Supervision**

- Three students (completed), one under supervision

#### **Principal Investigator (active projects)**

- Academic infrastructure Upgrading of the Technical University of Crete
- Student practice of the Technical University of Crete
- Elemental Analysis of Salt Samples and Samples from Secondary Lead Production

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

#### **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