

CURRICULUM VITAE
Professor Dr. Nikolaos KALLITHRAKAS-KONTOS
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Personal Details

Surname: Kallithrakas-Kontos
First Name: Nikolaos
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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., Boultradaki, P., Foteinis, S., A dataset of 112 ligands for the preconcentration of mercury, uranium, lanthanum and other pollutants and heavy metals in water, Data in Brief, Volume 29, April 2020, Article number 105236, DOI: 10.1016/j.dib.2020.105236
2. Foteinis, S., Kallithrakas-Kontos, N., Kolovou, M., Nikolaki, M., Takoudis, G., Potiriadis, C., Skanavis, V., Kalligeris, N., Housiadas, C., Synolakis, C.E., *Spatial and Temporal Heterogeneity of ¹³⁴Cs and ¹³⁷Cs in Topsoil after the Fukushima Daiichi Nuclear Power Plant Accident and the Importance of Tsunami Debris Management*, Environmental Processes **6** (2019) 561-579 DOI: 10.1007/s40710-019-00386-7
3. Nikolaos Kallithrakas-Kontos, Spyros Foteinis, Eleftheria M. Vazgiouraki, Andreas G. Karydas, János A. Osán, Efthalia Chatzisyseon, *Solid-state polymer membranes for simple, sensitive, and low-cost monitoring of mercury in water*, Science of The Total Environment (2019) 134099 (7 p.p.),

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4. Kapridaki, C., Xynidis, N., Vazgiouraki, E., Kallithrakas-Kontos, N., Maravelaki-Kalaitzaki, P., *Characterization of photoactive Fe-TiO₂ lime coatings for building protection: The role of Iron content*, Materials 2019, **12**, 1847; DOI:10.3390/ma12111847
5. Orfanoudaki, A., Makridakis, G., Maragkaki, A., Fountoulakis, M.S., Kallithrakas-Kontos, N.G., Manios, T., *Anaerobic Co-digestion of Pig Manure and Spent Coffee Grounds for Enhanced Biogas Production*, Waste and Biomass Valorization (2019) (8 p.p.) DOI: 10.1007/s12649-019-00796-6
6. 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 (2019) 471-476, DOI: <https://doi.org/10.30955/gnj.002864>
7. 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
8. 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
9. Margu , E., Hidalgo, M., Migliori, A., Leani, J.J., Queralt, I., Kallithrakas-Kontos, N., Streli, 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
10. 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
11. 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
12. 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) DOI: 10.1088/1361-6404/aa78ba
13. 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
14. 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.
15. Nikolaos Kallithrakas-Kontos and Spyros Foteinis, *Recent Advances in the Analysis of Mercury in Water - Review*, Current Analytical Chemistry, **12** (2016) 22-36. DOI : 10.2174/157341101201151007120324
16. 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
17. Spyros Foteinis, Katerina Mpizoura, Giorgos Panagopoulos, Efthalia Chatzisyseon, 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
18. 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

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19. 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. DOI: 10.1007/s00216-012-6233-y
20. 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. DOI: 10.1021/ac103295a
21. 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.
22. 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.
23. 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
24. V. Hatzistavros, N. Kallithrakas-Kontos, TXRF Cation analysis by anionic membrane collection, X-Ray Spectrometry **38** (2009) 229-233.
25. N. Kallithrakas-Kontos, P. Koulouridakis, V. Hatzistavros and I.N. Aretaki, Chromium Speciation by TXRF Analysis, X-Ray Spectrometry **38** (2009) 152-156.
26. 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.
27. V. Hatzistavros, N. Kallithrakas-Kontos, Trace element ink spiking for signature authentication, Journal of Radioanalytical and Nuclear Chemistry **277** (2008) 399-404.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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
33. I. N. Aretaki, P. Koulouridakis and N. Kallithrakas-Kontos, TXRF mercury analysis after immobilization on quartz surfaces, Analytica Chimica Acta **562** (2006) 252-257
34. P. Koulouridakis, N. Kallithrakas-Kontos and V. Gekas, Seawater Mercury Analysis at ppb Levels, Instrumentation Science and Technology **34** (2006) 425-433
35. 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
36. V. Hatzistavros, P. Koulouridakis and N. Kallithrakas-Kontos, Complexing membrane for uranium detection by TXRF, Analytical Sciences **21** (2005) 823-826
37. 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.
38. 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.

39. 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.
40. N. Kallithrakas-Kontos, TXRF Heavy metal analysis after immobilization as PAN complexes, *X-Ray Spectrometry* **33** (2004) 12-15
41. N. Maravelaki-Kalaitzaki and N. Kallithrakas-Kontos, Pigment and Terracotta analyses of Hellenistic figurines in Crete, *Analytica Chimica Acta* **497** (2003) 209-225
42. 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
43. 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
44. 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
45. 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
46. 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.
47. 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.
48. 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.
49. N. Kallithrakas-Kontos and R. Moschochoritou, Vanadium Speciation by EDXRF, *X-Ray Spectrometry* **27** (1998) 173-176.
50. N. Kallithrakas-Kontos, X-Ray chemical shift determination by energy dispersive detection, *Spectrochimica Acta B* **51** (1996) 1655-1659.
51. 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.
52. 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. DOI: 10.1016/0168-583X(95)00988-4
53. 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.
54. 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. DOI: 10.1002/xrs.1300230211
55. 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. DOI: 10.1111/j.1475-4754.1993.tb01042.x
56. 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 .
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58. A. A. Katsanos, A. Aravantinos, and N. Kallithrakas-Kontos, Thick target x-ray yields from proton

- bombardement, X-Ray spectrometry **17** (1988), 13-16. DOI: 10.1002/xrs.1300170104
59. 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. DOI: 10.1016/0168-583X(84)90335-5

Chapters in books

60. 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.
61. 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
62. 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.
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International Conferences Proceedings

64. Nikolaos Kallithrakas-Kontos, Vasilios Hatzistavros and Spyros Foteinis, *Lanthanum analysis using selective membrane complexation and energy dispersive X-ray spectrometry*, 18th International Conference on Total Reflection X-ray Fluorescence Analysis and Related Methods (TXRF-2019), 25-28 June 2019, University of Girona, Spain <http://www.txrf2019.com/>
65. Chrysi Kapridaki, Nikolaos Xynidis, Nikolaos Xekoukoulotakis, Nikolaos Kallithrakas-Kontos, Noni Maravelaki, *Photoactive Fe-TiO₂ lime plasters for building protection*, 5th Historic Mortars Conference, HMC 2019, 19 -21 June, 2019, Pamplona, Spain <https://www.unav.edu/web/historic-mortars-conference/home>
66. Dimitrios C. Xarchoulakos, Nikos Kallithrakas and Kehagia Konstantina, *Preconcentration of uranium from urine on a complexing membrane*, RANC 2019, 2nd International Conference on Radioanalytical and Nuclear Chemistry, May 5–10, 2019, Budapest, Hungary <https://static.akcongress.com/downloads/ranc/ranc2019-book-of-abstracts.pdf>
67. 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>
68. 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
69. 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>
70. 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>
71. 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>
72. 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_hoKHSI8D7MQFggxMAE&url=http%3A%2F%2Fera.teipir.gr%2Fsites%2Fdefault%2Ffiles%2Fprogram_era

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73. 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
 74. 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/>
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 77. 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>
 78. 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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 81. 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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 83. 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
 84. 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>
 85. 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/>
 86. 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
 87. 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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Citations

More than 1000 citations in international peer reviewed Journals (Scopus Database), h-index: 16

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

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

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

- Four (4) students (completed)

Principal Investigator (active projects)

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