

NAME: Stelios Xanthos
DATE OF BIRTH: 30 December 1967
PLACE OF BIRTH: Thessaloniki / Greece
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MILITARY SERVICE: 1992 – 1993, Greek army

EDUCATION:

- 1991 Graduated as an Electrical Engineer.
- 1993 A subject for a Ph.D. thesis was determined to him with title: “Research of the contribution of different radionuclides of natural and artificial origin in the radiological dose of the Greek population”.
- 1994 Attended and succeeded in 4 postgraduate subjects.
- 2000 Inauguration to Dr. of the Department of Electrical Eng. and Computer Eng. of the Aristotle University of Thessaloniki.

FOREIGN LANGUAGE EDUCATION:

- 2002 English, “Proficiency in English” (Michigan)
- 1991 German “Zertifikat”
French, school knowledge

THESIS:

- 1991 Diploma’s thesis with title: “Applications of the compartment’s model in Nuclear Technology”.
- 1999 PhD Thesis: “Development of in-situ gamma spectrometry methods for indoor and outdoor measurements: application in the dose rate estimate from gamma radiation to the Greek population”.

WORKING EXPERIENCE :

- 2023-today Professor in Department of Industrial Engineering and Management, International Hellenic University with discipline on “Measurements Technology-Instrumentation”.
- 2016-2023 Associate Professor in Department of Automation, Technological Educational Institute of Thessaloniki, Greece, with discipline on “Measurements Technology-Instrumentation”. From June 2019 joined Department of Industrial Engineering and Management, International Hellenic University. Teaching Courses: Metrology – Quality Control, Numerical Analysis, Industrial Health and Safety, formerly: Metrology I, II, Intelligent Control.

- 2012-2016 Assistant Professor in Department of Automation, Technological Educational Institute of Thessaloniki, Greece, with discipline on “Measurements Technology-Instrumentation”.
- 2001-2012 Scientific Staff in Greek Atomic Energy Commission
- 1995-2012 Collaborator of the Nuclear Technology Laboratory, Department of Electrical and Computer Engineering, Aristotle University Thessaloniki
- 1999-2012 Scientific collaborator of the Alexander Technological Educational Institute of Thessaloniki.
- 2001 Academic Staff in School of Pedagogical & Technological Education (ASPETE)
- 1999-2002 Teaching staff in Organization for Vocational Education and Training

ADMINISTRATIVE EXPERIENCE

- 2017-2019 Head of the Department of Automation Engineering, Alexander Technological Educational Institute, Thessaloniki.
- 2019-2021 Head of the Department of Industrial Engineering and Management, International Hellenic University.
- 2019-2020 Director of the Master Program “Energy Building Design” International Hellenic University.
- 2021-today Director of the Master Program “ Robotics, STEAM and New Technologies in Education” International Hellenic University.
- 2021-2023 President of the Technical Council of the International Hellenic University
- 2023-today Vice Rector of Finance Planning and Development of the International Hellenic University.

MEMBER OF PhD COUNCIL COMMITTEES-SUPERVISOR:

- 2024-today “Management of hazardous materials in metallic waste and mixed metallic packaging: Traikoudis Christos Department of Industrial Engineering and Management, Supervisor
- 2021-today “Metrology and automation of environmental measuring instruments detecting ionizing radiation” Kamoutsis Konstantinos, Department of Industrial Engineering and Management, Supervisor
- 2016-2020 “Response of radiation detectors to terrestrial and cosmic radiation” Leontaris Fokion, Department of Electrical and Computer Engineering, Member of the council committee
- 2019-today “Research on radon metrology in water and risk assessments from domestic and hydrotherapeutic use of water with high radon concentrations” Michalakis Omirou, Department of Electrical and Computer Engineering, Member of the council committee

2021-today “Analysis and Prediction of Additive Manufacturing Quality and Mechanical Properties through Multimedia Machine Learning Strategies” Emmanouil Tzimtzimis, School of Science and Technology, International Hellenic University, Member of the council committee

TEACHING IN MASTER’S PROGRAMS

2018-today “Environmental Management and Environmental Education”, winter semester: «Management of natural resources and sustainability », winter semester 18-19: «Environmental Programs and Politics», winter semester 21-22, 22-23: « Energy Policy and Decision Making », supervision of master theses

2021-today “Applied Automation Systems” spring & winter semester: «Data Acquisition and Processing», winter semester 21-22, 22-23: «Environmental Technologies», «Automation Systems in Food Industry», supervision of master theses

2021-today “Robotics, STEAM and New Technologies in Education” International Hellenic University” winter semester: «STEM and microcontrollers», spring semester: «Programming Robotic Systems», supervision of master theses

2017-2020 “Management & Organization of Educational Units” spring semester 17-19: «Information systems and new Technologies in Education », winter semester 18-19: «Innovation and Education», 19-20: supervision of master theses.

2021-2023 “Analysis and Management of Manmade and Natural Disasters” spring semester: «Fighting and managing fires in electromechanical installations and fires in public transport accidents »

2018-today “Health And Environmental Factors” winter semester: «Building Materials and Health»

SCHOLARSHIP:

1994-1997 Scholarship from the Scholarships State Foundation of Greece.

RESEARCH INTERESTS:

- Metrology-Instrumentation
- Gamma spectrometry (Laboratory & in-situ)
- Radon measurements
- XRF measurements
- Monte Carlo Simulations
- Environmental Radioactivity

RESEARCH PROJECTS :

1994-1995 Participant in project “Cycling of Cs-137 and Sr-90 in natural ecosystems”.
Sci. resp. M. Antonopoulos-Domis, financed EU.

- 1996 Participant in project “Study of the time dependent contamination with Cs-137 in the soil and agricultural products in Northern Greece”. Sci. resp. M. Antonopoulos-Domis, financed EU
- 1996-1998 Participant in the project “Survey of the contribution of different radionuclides (natural and artificial origin) in the radiological contamination of the population of large urban areas of Greece”. Sci. resp. A. Clouvas, financed GSRT
- 1998 Participant in the project “Development of an artificial Neural network estimator of indoor gamma-exposure dose rates”. Sci. resp. M. Antonopoulos-Domis, financed Italian Ministry of Interior.
- 1998-1999 Participant in the project “Distribution and cycling of caesium in a forest ecosystem”. Sci. resp. M. Antonopoulos-Domis, financed GSRT
- 1999-2000 Participant in the project “Radioactivity Measurements”. Sci. resp. M. Antonopoulos-Domis, financed: different bodies
- 2000-2001 Participant in the project “In Situ gamma spectrometry for monitoring the environmental radioactivity”. Sci. resp. A. Clouvas, financed E.U.
- 2001 Participant in the project “Survey of the contribution of different radionuclides of natural and artificial origin in the radiological contamination of the population of the Eastern Aegean’s islands and the distribution of long-lived radionuclides in the sea of this area” Sci. resp. M. Antonopoulos-Domis, financed GSRT.
- 2005-2007 Participant in the project “Southern Urals Radiation Risk Research (SOUL)” Sci. resp. A. Clouvas, financed European Commission-research directorate general.
- 2012-2015 Participant in the project “LENSER-Less Nuclear Waste and Safer Exploitation of Research Reactors» Sci. resp N. Katsaros, χρηματοδότηση: financed GSRT
- 2014-2015 Participant in the project “CHERRIE,-Chemical and Radiological Risks in Indoor Environment» Sci. resp S. Aggelopoulos, financed INTERREG Greece-Bulgaria
- 2018-2021 Participant in the project “COMETECH,-Continuity of care in METabolic diseases through modern TECHnology» Sci. resp: K. Kazakos, financed: INTERREG
- 2020-2021 Participant in the project “New Dimensions in Art» Sci. resp: P. Mentzelou, financed: ΕΣΗΑ
- 2018-2020 Coordinator in the project “Safe Cross-Border Transportation of Hazardous Materials: Orphan Radioactive Sources” Sci. resp. S. Xanthos, financed NTERREG Greece-FYROM

2025-2027 Coordinator in the project “Empowering Next-gen Energy leaders for a Green Energy Transition” Sci. resp. S. Xanthos, financed ERASMUS+, Key Action 2, National Agency for European Educational Programmes and Mobility.

PUBLICATIONS TO INTERNATIONAL SCIENTIFIC JOURNALS (refereed):

1. “Radiocesium contamination in a submediterranean semi-natural ecosystem following the Chernobyl accident: measurements and models”. M. Antonopoulos-Domis, A. Clouvas, S. Xanthos, D. A. Alifragis, Health Physics, Vol. 72, No. 2, pp 243-255 (1997).
2. “Gamma ray spectrometry for the determination of absorbed dose rate in air following a myocardial perfusion scintigraphy with Tl-201” A.Clouvas, S. Xanthos, M.Antonopoulos-Domis, Radiation Protection Dosimetry, Vol. 74 pp. 97-101 (1997).
3. “Monte Carlo based method for conversion of in-situ gamma ray spectrum obtained with portable Ge detector to incident photon flux energy distribution”. A.Clouvas, S. Xanthos, M.Antonopoulos-Domis, J. Silva, Health Physics, Vol. 74, No 1, pp 216-230 (1998)
4. “Contribution of Cs-137 to the total absorbed gamma dose rate in air in a Greek Forest ecosystem: Measurements and Monte Carlo computations” A.Clouvas, S. Xanthos, M.Antonopoulos-Domis, D. A. Alifragis, Health Physics Vol. 76, No 1, pp 36-43 (1999)
5. “Monte Carlo calculation of dose rate conversion factors for external exposure to photon emitters in soil” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis, J. Silva Health Physics Vol. 78, No 3, pp 295-302 (2000)
6. “Derivation of indoor gamma dose rate from high resolution in situ gamma ray spectra” A. Clouvas, S. Xanthos, M. Antonopoulos- Domis, Health Physics Vol. 79, No 3, pp 274-281 (2000)
7. “Extended survey of indoor and outdoor terrestrial gamma radiation in Greek urban areas by in-situ gamma spectrometry with portable Ge detector” A. Clouvas, S. Xanthos, M. Antonopoulos- Domis, Radiation Protection Dosimetry Vol. 94, No 3, pp 233-246 (2001).
8. “Measurements with Ge detector and Monte Carlo computations of dose rate yields due to cosmic muons” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis, J. Silva, Health Physics, Vol 84, No 2, pp 212-221 (2003)
9. “Long term measurements of Radon Equilibrium Factor in Greek dwellings” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis, Radiation Protection Dosimetry, Vol. 103 pp 269-272 (2003).
10. “A combination study of indoor radon and in situ gamma spectrometry measurements in Greek dwellings” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis, Radiation Protection Dosimetry, Vol. 103 pp 363-366 (2003).

11. “On-line channel instability localization with fuzzy rule-based systems” T.Tambouratzis, S.Xanthos, M.Antonopoulos-Domis, *Annals of Nuclear Energy* Vol 31 pp 773-788 (2004)
12. “Radiological maps of outdoor and indoor gamma dose rates in Greek Urban areas obtained by in situ gamma spectrometry” Clouvas, S. Xanthos, M. Antonopoulos-Domis *Radiation Protection Dosimetry* Vol 112 ,267-275 (2004)
13. “In situ gamma spectrometry measurements and Monte Carlo computations for the detection of radioactive sources in scrap metal” Clouvas, S. Xanthos, G. Takoudis, C. Potiriadis, J. Silva *Health Physics* Vol . 88,No 2, pp 154-162 (2005)
14. “Radiocesium gamma dose rates in a Greek pine forest: measurements and Monte Carlo computations” A. Clouvas, S.Xanthos, M. Antonopoulos-Domis and D.A Alifragis, *Radioactivity in the Environment* Vol 7, pp 1155-1166, (2005)
15. “Simultaneous measurements of indoor radon, radon-thoron progeny and high resolution gamma spectrometry in Greek dwellings” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis *Radiation Protection Dosimetry* Vol. 118, pp 482-490 (2006)
16. “Pilot study of indoor radon in Greek workplaces A. Clouvas, S. Xanthos, M. Antonopoulos-Domis *Radiation Protection Dosimetry*, Vol. 124 (2), pp. 68-74 (2007)
17. “Twenty-year follow-up study of radiocesium migration in soil” A. Clouvas, S. Xanthos, G. Takoudis ,M. Antonopoulos-Domis , G. Zinoviadis , T. Vidmar, A. Likar *Radiation Protection Dosimetry* Vol 124, 372-377(2007)
18. “Monte Carlo simulation of portal detectors of a steel factory. Comparison of measured and simulated response” G. Takoudis ,S. Xanthos , A. Clouvas ,M. Antonopoulos-Domis, C. Potiriadis *Nuclear Instruments and Methods in Physics Research A* Vol. 580 pp 396-399 (2007)
19. “In situ gamma spectrometry measurements for the verification of simulated irradiation conditions at MAYAK PA work places” M. Smetanin,E. Vasilenko, M. Semenov, G.Takoudis, S. Xanthos, A. Clouvas, J. Silva *Nuclear Instruments and Methods in Physics Research A* Vol. 580 pp 694-697 (2007)
20. “Follow up study of radiocesium contamination in a Greek forest ecosystem” A. Clouvas, S. Xanthos, G. Takoudis ,M. Antonopoulos-Domis , D.A. Alifrangis, M. Zhiyanski ,M. Sokolovska *Health Physics* 93(4):312-317(2007)
21. “Measurements and Monte Carlo simulations of photon energy distribution in MAYAK PA workspaces” M. Smetanin, E. Vasilenko, M. Semenov, S. Xanthos, G. Takoudis, A. Clouvas, J. Silva, C. Potiriadis, *Radiation Protection Dosimetry*, Vol. 131, No. 4, pp. 455–468 (2008)
22. “Spatial and spectral gamma-ray response of plastic scintillators used in portal radiation detectors;comparison of measurements and simulations” G. Takoudis, S.Xanthos,

- A.Clouvas , M.Antonopoulos-Domis , C.Potiriadis, J.Silva Nuclear Instruments and Methods in Physics Research A Vol 599, 74–81 (2009)
23. “Experimental and theoretical study of radon distribution in soil” Michalis Antonopoulos-Domis; Stelios Xanthos; Alexandros Clouvas; Dimitris Alifrangis Health physics 97 (4), pp. 322-331 (2010)
 24. “Determining minimum alarm activities of orphan sources in scrap loads; Monte Carlo simulations, validated with measurements” Takoudis, G., Xanthos, S., Clouvas, A., Potiriadis, C. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment 614 (1), pp. 57-67 (2009)
 25. “Indoor radon measurements in areas of northern Greece with relatively high indoor radon concentrations” Clouvas, A., Takoudis, G., Xanthos, S., Potiriadis, C., Kolovou, M. 2009 Radiation Protection Dosimetry 136 (2), pp. 127-131 (2011)
 26. “Indoor radon levels in Greek schools” A. Clouvas, S. Xanthos, G. Takoudis Journal of Environmental Radioactivity Vol. 102, 881-885, (2011)
 27. “A comparison study between radon concentration in schools and other workplaces” A.Clouvas; S.Xanthos Radiation Protection Dosimetry 149 (2), pp. 207-210 (2012)
 28. “Environmental radioactivity measurements in Greece following the Fukushima Daichi nuclear accident” C. Potiriadis , M. Kolovou A.Clouvas and S. Xanthos Radiation Protection Dosimetry Vol 150 No 4 .pp 441-447, (2012)
 29. “Thorium partitioning in Greek industrial bauxite investigated by synchrotron radiation and laser-ablation techniques” P. Gamaletsos , A. Godelitsasa,, T.J. Mertzimekisb, J. Gøttlicherc, R. Steininger, S. Xanthos , J. Berndt ,S. Klemme, A. Kuzmin , G. Bårdossy Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms Vol. 269 (24), pp. 3067-3073 (2011)
 30. "Gamma Radiation Measurements and Monte Carlo Computations Following Myocardial Perfusion Imaging with Tl-201" A. Clouvas, S. Xanthos Radiation Protection Dosimetry, Vol 152 ,No4, pp 414-417, (2012)
 31. "Environmental measurements and inspections on imported foods and feedstuffs in Greece after the Fukushima accident" C. Potiriadis,, M.J. Anagnostakis, A. Clouvas, K. Eleftheriadis, E. Florou, C. Housiadis, K. Ioannides, A. Ioannidou, D.I. Karangelos, K.L. Karfopoulos, K. Kehagia, M. Kolovou, P. Kritidis, M. Manolopoulou, K. Papastefanou, M.I. Savva, S.E. Simopoulos, K. Stamoulis, S. Stoulos, S. Xanthos and D. Xarchoulakos Radiation Protection Dosimetry Vol. 156 (4), pp. 465-474, (2013)
 32. “New insights into the chemical and isotopic composition of human-body biominerals. I: Cholesterol gallstones from England and Greece” D. Athanasiadou, A. Godelitsas, D. Sokaras, A. Karydas, E. Dotsika, C. Potamitis, M. Zervou, S. Xanthos, E.

- Chatzitheodoridis, H. Chye Gooi, U. Becker, *Journal of Trace Elements in Medicine and Biology*, Vol. 27 (2), pp. 79-84(2013)
33. "Follow up study of indoor radon in Greek buildings" Clouvas A., Xanthos S., Kolovou M., Potiriadis C., Takoudis G, Guilhot J, *Radiation Protection Dosimetry*, Vol. 157, No2, 291-297, (2013)
 34. "Measurements And Modelling Of ¹³⁷Cs Distribution On Ground Due To The Chernobyl Accident: A 27-Year Follow-Up Study In Northern Greece" A. Clouvas, S. Xanthos, S. Kadi and M. Antonopoulos-Domis .*Radiation Protection Dosimetry* 160 (4): 293-296 (2014)
 35. "Periodicity analysis of gamma radiation measurements in thessaloniki, northern greece, in the period 1988-2015" A. Clouvas; F. Leontaris; S. Xanthos; L. Hadjileontiadis, *Radiation Protection Dosimetry*; doi: 10.1093/rpd/ncv513 (2015)
 36. "The role of nano-perovskite in the negligible thorium release in seawater from Greek bauxite residue (red mud)" Gamaletsos P, Godelitsas A, Kasama T, Kuzmin A, Lagos M, Mertzimekis T, Göttlicher J, Steininger R, Xanthos S, Pontikes Y, Angelopoulos G, Zarkadas C, Komelkov A, Tzamos E, Filippidis A, *Scientific Reports*, Published Online, 6, article number: 21737 (2016)
 37. "Environmental impact of phosphogypsum stockpile in remediated Schistos waste site (Piraeus, Greece) using a combination of γ -ray spectrometry with geographic information systems" Papageorgiou F, Godelitsas A, Mertzimekis T, Xanthos S, Voulgaris N, Katsantonis G, *Environmental Monitoring and Assessment*, Vol. 188, (3), pp 1-14 (2016).
 38. "Radon migration in soil and its relation to terrestrial gamma radiation in different locations of the greek early warning system network" radiation in different locations of the greek early warning system network, Clouvas, A., Leontaris, F., Xanthos, S., Alifragis, D *Radiation Protection Dosimetry* 175(1) , pp. 124-133 (2017)
 39. "Response of the Greek early warning system Reuter-Stokes ionization chambers to terrestrial and cosmic radiation evaluated in comparison with spectroscopic data and time series analysis" Leontaris, F., Clouvas, A., Xanthos, S., (...), Kiriakopoulos, E., Guilhot, J, *Radiation Protection Dosimetry* 178(3), pp. 276-287 (2018)
 40. "Radiation portal monitors response to gamma radiation and to the detection capability of orphan radioactive sources: contribution of the STRASS project" A Clouvas, F. Leontaris, S. Xanthos, *Nuclear Technology & Radiation Protection*, Vol. 35, No. 3, pp. 244-252 (2020)
 41. "Performance of handheld NaI(Tl) spectrometers as dosimeters by laboratory and field dose rate measurements" Clouvas, A., Xanthos, S., Boziari, A., ...Kaissas, I., Omirou, M., *Radiation Protection Dosimetry*, 194(4), pp. 233–248 (2021)

42. “Long-term study (1987–2023) on the distribution of ^{137}Cs in soil following the Chernobyl nuclear accident: a comparison of temporal migration measurements and compartment model predictions” Ioannis Kaissas, Alexandros Clouvas, Marios Postatzis, Stelios Xanthos, Michalakis Omirou, Radiation Protection Dosimetry Open source preview, 2023, 199(19), pp. 2366–2372
43. “Spectrum analysis for identification of nuclides at radiological crime scene”, I. Kaissas, I. Themistokleous, K. Karafasoulis, S. Xanthos and A. Kyriakis, Journal of Instrumentation Open source preview, 2025, 20(3), C03004

CONFERENCES:

1. “Determination by in-situ gamma spectrometry of outdoor and indoor exposure gamma rates, in populated areas of Greece due to natural and artificial sources of radiation”. M. Antonopoulos-Domis, A. Clouvas, S. Xanthos, Proceedings of the 1st Mediterranean Congress on Radiation Protection, pp 150, 5-7 April 1994 Athens.
2. “Calibration of portable HPGe spectrometer for indoor dose rate estimations” A. Clouvas, M. Antonopoulos-Domis, S. Xanthos, Proceedings of the IRPA9 Congress on Radiation Protection, Vol. 4, pp. 290-292, Vienna 14-19 Apr. 1996.
3. “Determination by in situ gamma spectrometry of outdoor and indoor dose rates in populated areas of Greece due to natural and artificial sources of radiation”. A. Clouvas, M. Antonopoulos-Domis, S. Xanthos, Proceedings of the IRPA9 Congress on Radiation Protection, Vol. 2, pp. 585-586, Vienna 14-19 Apr. 1996.
4. “Experimental method for the determination of cosmic ray induced background in in-situ gamma spectroscopy” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis, J. Silva, Abstracts of the European conference on Advances in nuclear physics and related areas, pp 27, Thessaloniki 8-12 July 1997
5. “Radon and thoron progeny measurements in dwellings of northern Greece” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis, Proceedings of the workshop on Radon in the Living Environment, organised by the EU Concerted Actions ERRICCA, 19-23 April 1999, Athens, Greece, The Science of the Total Environment Vol. 272, pp 249-250 2001
6. “Radiocesium gamma dose rates in a Greek pine forest: measurements and Monte Carlo computations” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis and D.A. Alifragis, Seventh International Symposium NATURAL RADIATION ENVIRONMENT (NRE-VII) 20-24 May 2002, Rhodes, Greece, Book of Abstracts pp 78, 2002
7. “Measurement of cosmic muon dose rates indoors and outdoors of some ordinary buildings in Thessaloniki, Greece” A. Clouvas, S. Xanthos, M. Antonopoulos-Domis and J. Silva Seventh International Symposium NATURAL RADIATION ENVIRONMENT (NRE-VII) 20-24 May 2002, Rhodes, Greece, Book of Abstracts pp 76-77, 2002

8. “Uraniferous carbonate rocks from Mt Kithaeron, central Greece” F.-C. Kafandaris, A. Godelitsas, D Kostopoulos, S.Xanthos, E Chatzitheodoridis, E. Baltatzis, Goldschmidt 2007 20-24 August 2007, Cologne, Germany, Book of Abstracts pp A 457, 2007
9. “Natural Radioactivity of Rock Samples from the Greater Attica Region, Greece”, A. Godelitsas¹, F.-C. Kafandaris, S. Xanthos, and E. Baltatzis, 26th European Conference “Health Implications of Environmental Contamination” 31st March – 2nd April 2008, Athens, Hellas, Book of Abstracts pp 70, 2008
10. “Calibration of an HPGe detector with Monte Carlo techniques” (in Greek) Xanthos S, Clouvas A. 5th National Metrology Conference, National Hellenic Research Foundation, Athens, 9-10 May 2014
11. “Measuring Porosity using a radioactive source” (in Greek) Papachristoforou M, Xanthos S, 5th National Metrology Conference, National Hellenic Research Foundation, Athens, 9-10 May 2014
12. “Characterization of phosphogypsum deposited in Schistos remediated waste site (Piraeus, Greece)” Proceedings of the 7th International Conference on Uranium Mining and Hydrogeology pp 271-280, (UMH VII) Sept. 2014, Freiberg, Germany 2014
13. “Environmental and radiological risk assessment of the schistos phosphogypsum waste repository” F. Papageorgiou, A. Godelitsas, N. Voulgaris, T. Mertzimekis, S. Xanthos and G. Katsantonis ENVIRA 2016 International Conference, Environmental Radioactivity, 21-25 Sept. Thessaloniki Greece, Book of Abstracts pp 89 2015
14. “Time Series Analysis Of Long Term (1988-2015) Gamma Radiation Measurements In Thessaloniki, Greece”. A Clouvas, F Leontaris, S Xanthos, L Hadjileontiadis ENVIRA 2016 International Conference, Environmental Radioactivity, 21-25 Sept. Thessaloniki Greece, Book of Abstracts pp 101 2015
15. “Radon migration in soil and its relation to terrestrial gamma radiation” Proceedings of the 24th Symposium of the HNPS Radon migration in soil and its relation to terrestrial gamma radiation F. Leontaris, A Clouvas, S Xanthos, M Antonopoulos-Domis, 22th & Saturday 23st of May 2015
16. “Radon measurements in dwellings of Central Macedonia” Xanthos S, 18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region Sept. 26-30, 2015 Crete – Greece, Book of abstracts pp 149 2015
17. “Radioactivity measurements and physicochemical properties of building materials used in Northern Greece: a combination study” Xanthos S, Papaliangas T, Voniakos K, Tzilini M, 18th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region Sept. 26-30, 2015 Crete – Greece, Book of abstracts pp 150 2015

18. “Seasonal correlation of indoor radon concentration in towns of Northern Greece” S. Xanthos, F. Vosniakos, International Conference GREDIT2016– Green Development Infrastructure, Technology Skopje 31/3-1/4 Book of Abstracts pp 48-49 2016
19. “Finding orphan radioactive sources in scrap metal loads” Stelios Xanthos¹, Fokion Leontaris², Alexandros Clouvas International Conference GREDIT2016– Green Development Infrastructure, Technology Skopje 22/3-25/3 Book of Abstracts pp 82 2018
20. “Calibration of NaI(Tl) detectors using Monte Carlo techniques” (in Greek), Xanthos SS, Leontaris, Clouvas A, 7th National Metrology Conference, War Museum, Athens, 11-12 May 2018
21. “Safety Management of Hazardous Materials -Orphan Radioactive Sources: Contribution of STRASS Project” MATEC Web of Conferences 318, 01034 (2020) <https://doi.org/10.1051/mateconf/202031801034> ICM MEN 2020
22. “Response of Radiation Portal Monitors to gamma radiation and detection capability of Orphan Radioactive Sources in scrap loads” F. Leontaris, S. Xanthos, G.Takoudis, A.Clouvas, Proceedings of the 28th Symposium of the HNPS, 31 May - 1 June 2019, Thessaloniki,
23. “Performance of NaI(Tl) spectrometers as dosimeters by combination of laboratory and field dose rate measurements and Monte Carlo simulations” A. Clouvas, S. Xanthos, A. Boziari, F. Leontaris, I. Kaissas, M. Omirou, Proceedings of the 28th Symposium of the HNPS 24 - 25 September, Athens 2021.
24. “A low-cost automated system for monitoring and visualization of particulate matter concentration: A case study”, S. Xanthos, K. Kamoutsis, International Conference GREDIT2022– Green Development Infrastructure, Technology Skopje 5/5-8/5 Book of Abstracts pp 55 2022
25. “Calibration of portable detectors for handling orphan radioactive sources using Monte Carlo simulations”, S. Xanthos, K. Kamoutsis, International Conference GREDIT2022– Green Development Infrastructure, Technology Skopje 5/5-8/5 Book of Abstracts pp 101 2022
26. “Assessment of Activity Concentration and Uncertainty of Radionuclides of Natural Origin With a HPGe Detector”, Xanthos S., Kamoutsis K. 8th Metrology Conference Thessaloniki, Greece, Aristotle University, Research Dissemination Centre (KE.D.E.A.) 01-02 July 2022
27. Comparing dosimetric and spectroscopic capabilities of handheld NaI(Tl) γ -spectrometers Kamoutsis Konstantinos, Ioannidou Eleftheria, Kaissas Ioannis, Xanthos Stylianos International Conference on Radiation Applications (RAP 2023)

28. Correlation between Radon concentration and Particulate Matter (PM10) in indoor area: Case study Kamoutsis Konstantinos, Xanthos Stelios International Conference GREDIT 2024
29. Combined Study of Gamma Spectrometry and Radon Measurements in Post-Byzantine Churches of Thessaloniki Kamoutsis Konstantinos, Xanthos Stelios, Leontaris Fokion, Clouvas Alexandros, Myridis Nikolaos 4th International Conference TMM_CH
30. Calibration of a portable HPGe detector for in situ non-destructive measurements of activity concentration in building materials Kamoutsis Konstantinos, Xanthos Stelios, Triantafyllidis Dimitrios, Panhellenic Conference of Non-Destructive Testing.

CHAPTER IN A BOOK

“Combined Study of Gamma Spectrometry and Radon Measurements in Post-Byzantine Churches of Thessaloniki” Konstantinos Kamoutsis, Stelios Xanthos, Fokion Leontaris, Alexandros Clouvas & Nikolaos Myridis, Springer Proceedings in Materials , 2025, 101, pp. 166–183

REVIEWER IN SCIENTIFIC JOURNALS

- Radiation measurements ISSN: 1350-4487, Elsevier
- Acta Geophysica ISSN: 1895-6572 Owner: Institute of Geophysics, Polish Academy of Sciences, Publisher: De Gruyter
- Scientific Reports online, open access journal, Publisher: Nature
- Radiation Protection Dosimetry, ISSN 0144-8420, Oxford University Press
- Nuclear Inst. and Methods in Physics Research, A, ISSN: 0168-9002, Elsevier B.V.
- Journal of Instrumentation, ISSN 1748-0221, Institute of Physics Publishing (IOP Publishing)

CONFERENCE SCIENTIFIC COMMITTEE’S MEMBER

2024, 2022, 2018, 2016, International Conference GREDIT
2018. 7th Metrology Conference

CITATIONS:

More than 400 citations, h index (scopus): 15