

ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

- ΟΝΟΜΑ** : ΜΑΡΙΟΣ
- ΕΠΩΝΥΜΟ** : ΑΝΑΓΝΩΣΤΑΚΗΣ
- ΟΝΟΜΑ ΠΑΤΡΟΣ** : ΙΩΑΝΝΗΣ
- ΗΜΕΡ. ΓΕΝΝΗΣΕΩΣ** : 17/5/62
- ΤΟΠΟΣ ΓΕΝΝΗΣΕΩΣ** : ΗΡΑΚΛΕΙΟ ΚΡΗΤΗΣ
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- ΠΑΡΟΥΣΑ ΘΕΣΗ** : Αναπληρωτής Καθηγητής,
Τομέας Πυρηνικής Τεχνολογίας του ΕΜΠ
- ΠΡΟΗΓΟΥΜΕΝΕΣ ΘΕΣΕΙΣ** :
 - Επίκουρος Καθηγητής, Τομέας Πυρηνικής Τεχνολογίας του ΕΜΠ (Απρίλιος 2005 – Ιανουάριος 2013)
 - Λέκτορας, Τομέας Πυρηνικής Τεχνολογίας του ΕΜΠ (Αύγουστος 2001–Απρίλιος 2005)
 - ΕΔΤΠ-ΑΤ, Τομέας Πυρηνικής Τεχνολογίας του ΕΜΠ (Ιούνιος 1992 - Αύγουστος 2001)
- ΣΠΟΥΔΕΣ** :
 - Διπλωματούχος Μηχανολόγος Μηχανικός ΕΜΠ, Ιούνιος 1988.
 - Διδάκτωρ Μηχανολόγος Μηχανικός ΕΜΠ, Ιούνιος 1998. Τίτλος διατριβής «γάμμα φασματοσκοπική ανάλυση δειγμάτων χαμηλών ραδιενεργειών στην περιοχή χαμηλών ενεργειών».
 - IAEA Interregional Training Course on “Nuclear Related Analytical Techniques in Air Pollution monitoring and Research”, 1993.
- ΓΝΩΣΤΙΚΟ ΑΝΤΙΚΕΙΜΕΝΟ** : Μελέτη, σχεδιοκατασκευή και μετρολογία συστημάτων και διατάξεων ιοντιζουσών ακτινοβολιών για τη βιομηχανία και το περιβάλλον, συνακόλουθοι δοσιμετρικοί υπολογισμοί. Μέθοδοι προσδιορισμού ραδιενεργών ιχνοστοιχείων, συνεπαγόμενες ραδιοβιολογικές επιπτώσεις. Σχετικές απεικονίσεις σε οικοσυστήματα”.
- ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ** :
 - Μετρολογία συστημάτων και διατάξεων ιοντιζουσών ακτινοβολιών και μέθοδοι προσδιορισμού ραδιενεργών ιχνοστοιχείων.
 - Πυρηνικές μέθοδοι ανίχνευσης μη-ραδιενεργών ιχνοστοιχείων (INAA, XRF).
 - Φυσική ραδιενέργεια, NORM, TENORM
 - Ραδιενεργά ατμοσφαιρικά αεροζόλ
 - Προσομοίωση Monte-Carlo
 - Εφαρμογές ιοντιζουσών ακτινοβολιών στη Βιοϊατρική Τεχνολογία.

- ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ** :
- NORM4Building, EU COST Program, μέλος της Management Committee και συμμετοχή σε Working Groups (2014-2017).
 - Πρόγραμμα ΠΕΒΕ 2007 «Μελέτη της συγκέντρωσης και του ρυθμού απόθεσης στο έδαφος φυσικών ραδιενεργών ισοτόπων κοσμικής και γήινης προέλευσης και συσχέτιση με μετεωρολογικές και άλλες παραμέτρους». Επιστημονικός Υπεύθυνος, (2007-2009).
 - "European Radon Research and Industry Collaboration Concerted Action – ERRICCA II". Topic Leader για το Topic "Building Materials" με ευθύνη συντονισμού 20 Ευρωπαϊκών Εργαστηρίων (2000-2004).

ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ

Διδασκαλία στο ΕΜΠ σε Προπτυχιακό (Π) και Μεταπτυχιακό (Μ) επίπεδο

- Μετρήσεις Τεχνικών Μεγεθών (Π)
- Αλληλεπιδράσεις Ακτινοβολιών & Ύλης (Π)
- Δοσιμετρία & Ακτινοπροστασία (Π)
- Πυρηνικά Μετρητικά Συστήματα (Π)
- Απεικονίσεις και Θεραπευτικές Ακτινοβολήσεις Βιοϊατρικής Τεχνολογίας (Π)
- Ραδιοπεριβαλλοντική Ανάλυση και Προστασία (Π)
- Τεχνολογία Ιοντιζουσών Ακτινοβολιών (Μ)
- Τεχνολογία Ραδιοφαρμάκων (Μ)
- Εισαγωγή στις Τεχνολογίες Προστασίας Περιβάλλοντος (Μ)

Διδασκαλία σε σχολεία και σεμινάρια του Διεθνούς Οργανισμού Ατομικής Ενέργειας (ΙΑΕΑ)

- IAEA Postgraduate Educational Course in Radiation Protection and Safety of Radiation Sources.
- IAEA Technical Visit on measurement of natural radionuclides in environmental samples, NORMs and TENORMs by gamma spectrometry: experimental difficulties and methodologies.
- IAEA Regional Training Course on gamma spectrometry for monitoring of radionuclides in air.
- IAEA Regional Training Course on radiation protection of the environment for Junior Specialists.

Διδασκαλία σε ERASMUS Intensive Programs (IP):

- NuPhICoS (Nuclear Pharmacy Integrated Course for Students in Pharmacy, Medicine and Medical Physics in Nuclear Chemistry), Medical University of Plovdiv, Βουλγαρία, 2012 & 2013.
- MANTRA (Medical Applications of Nuclear Techniques and Radiations), Bologna, 2014.

ΜΕΛΟΣ

- :
- ΤΕΕ
 - International Commission on Radionuclide Metrology, Gamma Spectrometry Working Group, ICRM-GSWG
 - CHERNE Network (Collaboration on Higher Education and Research in Nuclear Engineering)

ΔΗΜΟΣΙΕΥΣΕΙΣ

- :
- Είκοσι επτά (27) δημοσιεύσεις σε Διεθνή Επιστημονικά Περιοδικά
 - Είκοσι οκτώ (28) ανακοινώσεις σε Συνέδρια με κριτές και Πρακτικά

ΣΥΝΟΛΟ ΑΝΑΦΟΡΩΝ (ΧΩΡΙΣ
ΑΥΤΟΑΝΑΦΟΡΕΣ)

: 232 (Scopus, Φεβρουάριος 2014), h-index=9

**ΚΡΙΤΗΣ ΣΕ ΔΙΕΘΝΗ
ΕΠΙΣΤΗΜΟΝΙΚΑ ΠΕΡΙΟΔΙΚΑ**

- : • Journal of Applied Physics D: Applied Physics
- Journal of Radiological Protection
- Applied Radiation and Isotopes.
- Journal of Hazardous Materials.
- Journal of Environmental Radioactivity.
- Construction & Building Materials
- Nuclear Technology & Radiation Protection
- Toxicological and Environmental Chemistry

Φεβρουάριος 2014

ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΠΕΡΙΟΔΙΚΑ

1. Natural radioactivity mapping of Greek surface soils, Anagnostakis M.J., Hinis E.P., Simopoulos S.E. and Angelopoulos M.G., *Environment International* 22: 3-8 (1996).
2. An experimental numerical method for the efficiency calibration of Low-Energy Germanium detectors, M.J. Anagnostakis and S.E. Simopoulos, *Environment International* 22: 93-99 (1996).
3. Geographical mapping and associated fractal analysis of the long-lived Chernobyl fallout radionuclides in Greece, Petropoulos N.P., Anagnostakis M.J., Hinis E.P., and Simopoulos S.E., *Journal of Environmental Radioactivity* 53: 59-66 (2001).
4. Radioenvironmental survey of the Megalopolis lignite field basin, Rouni P.K., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *The Science of the Total Environment* 272: 261-272 (2001).
5. Determination of depleted uranium in environmental samples by gamma-spectroscopic techniques, Anagnostakis M.J., Hinis E.P., Karangelos D.J., Petropoulos N.P., Rouni P.K., Simopoulos S.E. and Zunic Z., *Archive of Oncology* 9 (4): 231-236 (2001).
6. Photon attenuation, natural radioactivity content, and radon exhalation rate of building materials, Petropoulos N.P., Anagnostakis M.J. and Simopoulos S.E., *Journal of Environmental Radioactivity*, 61:257-269 (2002).
7. Building materials radon exhalation rate: ERRICCA intercomparison exercise results, N.P. Petropoulos, M.J. Anagnostakis and S.E. Simopoulos, *The Science of the Total Environment* 272: 109-118 (2001).
8. Radiological characteristics and investigation of the radioactive equilibrium in the ashes produced in lignite-fired power plants, Karangelos D.J., Petropoulos, N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Journal of Environmental Radioactivity*, 77:233-246 (2004).
9. Determination of depleted uranium in environmental samples by gamma-spectroscopic techniques, Karangelos D.J., Anagnostakis M.J., Hinis E.P., Simopoulos S.E. and Zunic Z., *Journal of Environmental Radioactivity*, 76:295-310 (2004).
10. A Preliminary Intercomparison of Gamma-ray Spectrometry on Building Materials. Anagnostakis M.J., Bolzan C., De Felice P., Fazio A., Grisanti G., S. Risica, Turtiainen T., van der Graaf. E., *Applied Radiation and Isotopes*, 61: 381-388 (2004).
11. ^{238}U and its Daughter Products in Greek Surface Soils, Anagnostakis M.J., Hinis E.P., and Simopoulos S.E., "Radioactivity in the Environment" – *Journal of Environmental Radioactivity Series*, (7): 1025-1029 (2005).
12. Radioenvironmental Survey of the Megalopolis Power Plants Fly-Ash Deposits, Karangelos D.J., Rouni P.K., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., "Radioactivity in the Environment" – *Journal of Environmental Radioactivity Series*, (7): 175-186 (2005).
13. Data leading to the investigation of a relation between seismic activity and airborne radon decay products concentration outdoors, Karangelos D.J., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., "Radioactivity in the Environment" – *Journal of Environmental Radioactivity Series*, (7): 187-197, 2005.
14. Effects of biomass co-firing with coal on ash properties. Part II: Leaching, toxicity and radiological behavior, Grammelis P., Skodras G., Kakaras E., Karangelos D.J., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *FUEL*, 85:2316-2322 (2006).
15. Gamma-spectroscopic determination of ^{235}U in environmental samples using low-energy germanium detectors (LEGe), Karfopoulos K.L., Karangelos D.J., Anagnostakis M.J., Simopoulos S.E., *Applied Radiation and Isotopes* 64:1350 (2006).
16. Quality characteristics of Greek fly ashes and potential uses, Skodras G., Grammelis P., Kakaras E., Karangelos D.J., Anagnostakis M.J., Hinis E.P., *Fuel Processing Technology* 88: 77–85 (2007).
17. An intercomparison of Monte Carlo codes used in gamma-ray spectrometry, Vidmar T., Audineau-Laniece I., Anagnostakis M.J., Arnold D., Brettner-Messler R., Budjas D. et al, *Applied Radiation and Isotopes* 66:764-768 (2008).

18. Parameters affecting full energy peak efficiency determination during Monte Carlo simulation, K.L. Karfopoulos, M.J. Anagnostakis, *Applied Radiation and Isotopes* 68:1435–1437, (2010).
19. Radiological and instrumental neutron activation analysis determined characteristics of size-fractionated fly ash, T.K. Peppas, K.L. Karfopoulos, D.J. Karangelos, P.K. Rouni, M.J. Anagnostakis, S.E. Simopoulos, *Journal of Hazardous Materials*, 181:255–262 (2010).
20. Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry, M.-C. Lepy, T. Altitzoglou, M.J. Anagnostakis, et al, *Applied Radiation and Isotopes* 68:1407–1412, (2010).
21. Calibration of an in-situ BEGe detector using semi-empirical and Monte Carlo techniques, Agrafiotis K., Karfopoulos K.L., Anagnostakis M.J., *Applied Radiation Isotopes*, 69, (8), 1151-1155, (2011).
22. Monitoring of ⁷Be atmospheric activity concentration using short-term measurements, Papandreou S.M.A., Savva M.I., Karfopoulos K.L., Karangelos D.J., Anagnostakis M.J., Simopoulos S.E., *Nuclear Technology & Radiation Protection*, 26, (2), 101-109, (2011).
23. Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry - Part II (volume sources), M.-C. Lepy, T. Altitzoglou, M.J. Anagnostakis, et al., *Applied Radiation and Isotopes*, 70, 2112–2118, (2012).
24. Laboratories new to the ICRM, L. Karam, M.J. Anagnostakis, A. Gudelis, P. Marsoem, A. Mauring, G. Wurdianto, Ü. Yücel, *Applied Radiation and Isotopes*, 70, 1812–1819, (2012).
25. Analysis of interferences from full energy peaks in gamma spectrometry of NORM and TENORM samples, M.Z. Živanović, J.D. Nikolić, A.I. Apostol, M.J. Anagnostakis, *Nuclear Technology & Radiation Protection*, 27, (4), 380-387, (2012).
26. Environmental measurements and inspections on imported foods and feedstuffs in Greece after the Fukushima accident, Potiriadis C., Anagnostakis M.J., et al, *Radiation protection Dosimetry*, 156 (4), 465-474, (2013).
27. Installation and Performance testing of an XtRa – Na(Tl) Compton Suppression System at the NED-NTUA, Savva. M.I., Karfopoulos K.L., Karangelos D.J., Anagnostakis M.J. and Simopoulos S.E., *Applied Radiation Isotopes*, in Press (2014).

2. Ανακοινώσεις σε Διεθνή Συνέδρια με Κριτές

1. Natural radioactivity of Greek surface soils. M.J. Anagnostakis, E.P. Hinis, S.E. Simopoulos and M.G. Angelopoulos, *1st Mediterranean Congress on Radiation Protection, Athens, Greece, April 5-7, 1994, Vol. 1, p.219.*
2. Measurements of natural radioactivity of Greek building materials, Louisi A., Proukakis C., Petropoulos N.P., Anagnostakis M.J., Simopoulos S.E. and Angelopoulos M.G., *1st Mediterranean Congress on Radiation Protection, Athens, Greece, April 5-7, 1994, Vol. 1, p.240.*
3. Efficiency calibration of Low Energy Germanium Detectors, Anagnostakis M.J. and Simopoulos S.E., *1st Mediterranean Congress on Radiation Protection, Athens, Greece, April 5-7, 1994, Vol. 1, p.273.*
4. Natural radioactivity mapping of Greek surface soils, M.J. Anagnostakis, E.P. Hinis, S.E. Simopoulos and M.G. Angelopoulos, *International Symposium on the Natural Radiation Environment, NRE-VI, Montreal, 5-9 June 1995.*
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6. Geographical mapping and associated fractal analysis of the long-lived Chernobyl fallout isotopes in Greece, Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Yugoslav Nuclear Society Conference, Belgrade, Yugoslavia, October 7-9, 1996, p. 625.*
7. Radiological impact of the long-lived Chernobyl fallout isotopes in Greece, M.J. Anagnostakis, N.P. Petropoulos, E.P. Hinis and S.E. Simopoulos, *Yugoslav Nuclear Society Conference, Belgrade, Yugoslavia, October 7-9, 1996, p. 543.*

8. Radon chamber facility of the National Technical University of Athens, Rouni P.K., Petropoulos N.P., Anagnostakis M.J., Hinis E.P., and Simopoulos S.E., *Workshop on Measurements and Metrology of Radon and its Decay Products, Pribram, Czech Republik, June 6-7, 1997.*
9. Building materials photon attenuation, natural radioactivity content and radon exhalation rate, Petropoulos N.P., Anagnostakis M.J. and Simopoulos S.E., *Workshop "Radon in the Living Environment", Athens, 19-23 April 1999.*
10. Radioenvironmental Survey of the Megalopolis Lignite Field Basin, Rouni P.K., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Workshop "Radon in the Living Environment", Athens, 19-23 April 1999.*
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12. Technologically Enhanced Natural Radioactivity of Fly-ash Produced in Lignite-fired Power Plants and the Associated Radiological Impact. Karangelos D.J., Rouni P.K., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *NORM III, Brussels, Belgium, September 17-21, 2001.*
13. ²³⁸U and its daughter products in Greek surface soils. Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.293*
14. Survey of depleted uranium contamination in soil and vegetation using γ -spectroscopy, Karangelos D.J., Anagnostakis M.J., Hinis E.P., Simopoulos S.E. and Zunic Z.S., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.294-295.*
15. Radioenvironmental survey of the Megalopolis power plants fly-ash deposits, Karangelos D.J., Rouni P.K., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.296.*
16. Data leading to the investigation of a relation between seismic activity and airborne radon daughters concentration outdoors. Karangelos D.J., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.297.*
17. Disturbance of radioactive equilibrium in the ashes produced in lignite fired power plants, Karangelos D.J., Petropoulos N.P., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.298.*
18. Reducing the natural radioactivity background in Ge detector shields, Nikoglou A., Karangelos D.J., Rouni P.K., Anagnostakis M.J., Hinis E.P. and Simopoulos S.E., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.299-300.*
19. A preliminary intercomparison of gamma-ray spectrometry on building materials, Anagnostakis M.J., Bolzan C., De Felice P., Fazio A., Grisanti G, Risica S., Turtiainen T., van der Graaf E., *Natural Radiation Environment (NRE-VII), Rhodes, Greece, May 20-24, 2002, Book of Abstracts, p.337-338.*
20. A preliminary intercomparison of gamma-ray spectrometry on building materials, Anagnostakis M.J., Bolzan C., De Felice P., Fazio A., Grisanti G., Risica S., Turtiainen T., van der Graaf E., *Low-Level Radioactivity Measurement Techniques LLRMT, Vienna, Austria, October 13-17 2003, Book of Abstracts, p.86.*
21. Coal fly-ash utilisation in Greece, Karangelos D.J., Anagnostakis M.J., Hinis E.P., Skodras G., Grammelis P. and Kakaras E., *2005 World of Coal Ash, Lexington, Kentucky, USA, 11-15 April, 2005.*
22. Utilisation of biomass co-combustion residues from pulverized coal boilers, Grammelis P., Skodras G., Kakaras E., Karangelos D.J., Anagnostakis M.J. and Hinis E.P., *2005 World of Coal Ash, Lexington, Kentucky, USA, 11-15 April, 2005.*
23. Gamma-spectroscopic determination of ²³⁵U in environmental samples using low energy germanium detectors (short presentation), Karfopoulos C.L., Karangelos D.J., Anagnostakis M.J.,

- and Simopoulos S.E., *15th International Conference on Radionuclide Metrology and its Applications ICRM 2005, September 5-9, 2005 Oxford UK.*
24. Calibration of an energy dispersive X-Ray fluorescence facility for the analysis of environmental samples, Rouni P.K., Anagnostakis M.J., Simopoulos S.E., *EDXRS-2006, European Conference on X-Ray Spectrometry, Paris 19-23 June, 2006.*
 25. Optimization of operational scenarios of an EDXRF facility for the determination of major and trace elements in environmental samples, N.A. Valmantonis, P.K. Rouni, M.J. Anagnostakis, *European Conference, on X-ray Spectrometry, Figueira da Foz, Coimbra, Portugal, 20-25 June 2010.*
 26. Monte Carlo simulation of the NED-NTUA XRF facility, S.S. Chavlis, K.L. Karfopoulos, P.K. Rouni, M.J. Anagnostakis, *8th CHERNE, Athens, 28-30 May 2012.*
 27. Evaluation of two gamma-spectrometry computer codes for the ^{235}U determination using test spectra, K.L. Karfopoulos, D.J. Karangelos, M.J. Anagnostakis, S.E. Simopoulos, *8th CHERNE, Athens, 28-30 May 2012.*
 28. Calculation of True Coincidence correction factors using Monte-Carlo simulation techniques, D.A. Chionis, M.I. Savva, K.L. Karfopoulos, M.J. Anagnostakis, *8th CHERNE, Athens, 28-30 May 2012.*