

NIKOLOPOULOS DIMITRIOS
RADIATION-HEALTH PHYSICIST

CURRICULUM VITAE

Date: 12/12/2022

BRIEF CURRICULUM VITAE

NAME: NIKOLOPOULOS DIMITRIOS
DATE OF BIRTH: 25 AUGUST 1971
PLACE OF BIRTH: ATTIKH, GREECE
HOME ADDRESS: KORYTSAS 36-40, VIRONAS, ATTICA-GREECE
POSITION: PROFESSOR
INSTITUTE: UNIVERSITY OF WEST ATTICA
DEPARTMENT: INDUSTRIAL DESIGN AND PRODUCTION ENGINEERING
POSITION'S DESCRIPTION: APPLIED ENVIRONMENTAL & HEALTH PHYSICS

Short Bio:

Dimitrios Nikolopoulos currently works at the Department of Industrial Design and Production Engineering, University of West Attica. Currently he has 140 peer-reviewed journal publications in the fields of Radiation, Health and Medical Physics, Materials Science, Detectors and Sensors, Chaos, Long-memory and Self-organisation of radiation emitting Environmental Geo-Systems (radon and EM radiation), in Environmental Physics and, recently, in Chaos and Long-memory of PM10 data series.

Research Activities-PACS

02.30.Nw--02.50.Ey--02.50.Fz--02.50.Sk--02.60.Cb--02.60.Ed--02.70.Hm--02.70.Uu
05.40.-a--05.45.Df--05.45.Pq--05.45.Tp--05.65.+b
06.20.Dk--06.60.Ei--06.60.Mr--06.60.Sx--06.90.+v--
07.05.Bx--07.05.Fb--07.05.Hd--07.05.Kf--07.05.Rm--07.05.Tp--07.07.Df--07.60.Dq--07.60.Pb--07.60.Rd--
07.60.Vg--07.77.Ka--07.85.Fv--07.85.Nc--07.88.+y--07.89.+b--07.90.+c
9.85 -c
29.27.Fh--29.30.Ep--29.30.Kv--29.40.Cs--29.40.Gx--29.40.Mc-- 29.40 Wk2--29.85.Fj
87.10.Mn--87.10.Rt--87.50.C- --87.50.cm--87.50.S- --87.50.sj--87.50.up --87.53.-j--87.55.K- -- 87.55.N- --87.57.-
s--87.59.-e--87.85.Rs--88.10.fb--88.10.G- --88.10.gc --89.20.Bb--89.60.-k -- 89.75.Da--89.75.Fb--
91.30.Dk--91.30.-f --91.45.Ga--91.45.Xz--91.55.Mb--92.60.Mt--92.60.Sz--92.60.Ta--93.30.Ge--93.85.Np--
93.85.Pq--93.85.Rt--

Keywords:

radon, radon progeny, radon in soil, ionizing radiation physics, radiation dosimetry, radiation exposure, radiation protection, x-rays, x-ray imaging, x-ray detectors, medical physics, PET, CT, medical gamma rays, nuclear medicine, fractal analysis, fractal dimension, long-memory, earthquakes, natural hazards, preseismic precursors, remote sensing, kHz, MHz, Hurst exponent, DFA, symbolic dynamics, R/S analysis, entropy, Tsallis entropy, non-ionizing radiation, mobile phones, EMR, EMF

EXCELLENCE

- Permanent Editorial Board Member, Geosciences, **IF=2.7**
- Associate Editor, Frontiers in Public Health, **IF=6.461**
- 3 times Guest Editor Special Issue Geosciences, **IF=2.7**
- Academic Editor, Geosciences, **IF=2.7**
- Reviewer in 25 international Journals

PUBLICATIONS-OVERVIEW

PUBLICATIONS IN PEER-REVIEWED INDEXED INTERNATIONAL JOURNALS,SUPPEMENTS, BOOKS:	139
PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL CONFERENCE PROCEEDINGS:	71
PUBLICATIONS IN ABSTRACTS OF INTERNATIONAL CONFERENCES:	61
PUBLICATIONS IN PEER-REVIEWED GREEK JOURNALS:	1
PUBLICATIONS IN GREEK BOOKS :	7
PUBLICATIONS IN PEER-REVIEWED GREEK JOURNAL SUPPLEMENTS:	1
PUBLICATIONS IN PEER-REVIEWED GREEK CONFERENCE PROCEEDINGS:	3
PUBLICATIONS IN ABSTRACTS OF GREEK CONFERENCES :	15

TOTAL: 288

TOTAL OF INTERNATIONAL PEER-REVIEWED INDEXED PUBLICATIONS (PAPERS&SUPPL.,)	139
1 ST AUTHOR: 38	
2 ND AUTHOR: 35	

ANALYTICAL CURRICULUM VITAE

1. PERSONAL INFORMATION

Full name: Nikolopoulos Dimitrios

Date of birth: 25/8/1971

Place of birth: Athens, Attica, Greece

Nationality: Hellenic

Address of residence: Korytsas 36-40, Vironas, 16231, Athens, Greece

Telephones of residence: +3-6977208318

Current address of work: University of West Attica,
Department of Industrial Design and Production Engineering,
Petrou Ralli & Thivon 250, GR122 44, Aigaleo, Greece

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url-1 <http://scholar.google.gr/citations?user=BuZ2IJQAAAAJ&hl=el>

url-2 <https://orcid.org/0000-0002-8559-9440?lang=en>

url-3 https://www.researchgate.net/profile/Dimitrios_Nikolopoulos6

2. PRESENT PLACE

Professor, University of West Attica

3. MILITARY MILITARY SERVICE

21 April 1999 - 23 February 2001 Service as an Officer of the Hellenic Army

4. EDUCATION - FURTHER TRAINING - DIPLOMAS

4.1. Basic levels

1977-1983, Municipal School of Kallithea

(Grades: Excellent)

1983-1986, High school of Kallithea

(Grades: Excellent)

1986-1989, Lyceum of Kallithea

(Grades Excellent)

4.2. University progress & degrees

Department of Physics, National University of Athens University (1990-1994)

Collaborator (1990-1992) of the Medical Imaging team of the Nuclear Physics sector, Department of Physics, Athens University, Head: Prof. Dr.G.Tzanakos, former Professor of Nuclear Physics.

-Collaborator (1992-1994) of the Medical Physics team of the Nuclear Physics sector, Department of Physics, Athens University, Head: Prof.Dr. A.Aggelopoulos, former Professor of Nuclear Physics .

Degree (1994) in Physics: 7.76.

4.3. Post-Graduate training

Doctor Candidate (1994) in the Medical Physics Department, Medical Faculty of the University of Athens in the subject “Study of exposure of the Greek population to Radon-222”, Head: Prof.Dr.C.Proukakis.

Training-work (1994-1997) in the Laboratory of Radionuclides (Department of Whole-body Radiation) in the Ippokrateion of Hospital Athens under the supervision of Medical Physics Department, Medical Faculty of the University of Athens.

- Training (1997-2000) in environmental and medical radiation focusing on dosimetry, human effects and risk estimation, Medical Physics Department, Medical Faculty of the University of Athens.

- PhD degree (2000) in the subject “Study of exposure of the Greek Population to Radon-222”, Medical Physics Department, Medical Faculty of the University of Athens, Degree: Excellently.

4.4. Post-Doctoral training

Collaborator (2000-2004), Laboratory of Medical Physics, Medical Faculty of Athens University.

Teaching Assistant & Collaborator (2000-2007), Department of Medical Instrumentation and Technology, TEI of Athens.

Teaching Assistant & Collaborator (2000-2013), Department of Physics, Chemistry and Material Technology, TEI of Piraeus.

4.5. Continuous training

Conferences (participation):

- 1) Pan-Hellenic Congress of Physics Pan-Hellenic Congress “10 years afterwards the accident in Chernobyl-the repercussions of accident in Greece”, Amphitheater EKEFE Dimokritos, Saint Friday Attica of 22-23 April 1996.
- 2) Meeting “Radon and Cesium, Two radioactive elements in the city of Karditsa”, EBE (Commercial and Craft-based Chamber), Karditsa of 25 May 96.
- 3) Scientific Meeting “Radon and Greek Residence”, Amfitheatro EKEFE Dimokritos, Saint Friday Attica, 6 June 1996.
- 4) European Conference on Protection Against Radon at Home and at Work, Praha Czech Republic, June 2-6 1997.
- 5) The Second Regional Mediterranean Congress on Radiation Protection, Tel-Aviv, Israel, November 16-20 1997.
- 6) 1st Southeastern-European Regional Radon Workshop, Athens, Greece, 3-5 April 1997.
- 7) 1st Meeting of Researchers that deals with Radon in Greece, Laboratory of Nuclear Technology E.M.P, Athens, 23 January 1998.
- 8) Pan-Hellenic Congress of Radioactivity of Environment, Athens EKEFE “DIMOKRITOS”, 23-24 November 2001.
- 9) 7th International Symposium Natural Radiation Environment, Rhodes, Greece, 20-24

May, 2002.

10) MEDICON 2004, the 10th Mediterranean Conference of the International Federation for Medical and Biological Engineering, IFMBE.

11) European Conference on Protection Against Radon at Home and at Work, June 29 July 6 2004, Praha

12) 4th European Symposium on Biomedical Engineering, 25-26-27 June 2004, Patra Greece.

13) 1st International Conference "From scientific computing to computational engineering", IC-SCCE, 8-10 September, 2004, Athens, Greece.

14) Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC) and Semiconductor X-ray and g-ray detectors Workshop, October 16-22, 2004, Rome.

15) European Radiology Congress (ECR), February, Wien 2004

16) Pan-Hellenic Radiological Congress of XIV 29 September-2 October 2004, Athens 18.

17) European Radiology Congress 2005, Wien

18) Congress SPECIAL TRAINING PROGRAM Archimedes, POLYTECHNIC COLLEGES Athens 2005

19) 1st IC-EpsMSO LFME Patra Greece.

20) 1st European Conference on Molecular Imaging Technology 9-12 May 2006, Marseille, France

21) 3rd International Conference on Imaging Technologies in Biomedical Sciences: ITBS2005 Milos Greece. European Nuclear Medicine Symposium 2006

22) 10th International Symposium on Radiation Physics (ISRP-10), 17-22 September, 2006, Coimbra, Portugal

23) IC-CCSE 2006, International Conference of Computational Methods in Sciences and

Engineering

- 24) EUROPEAN SYMPOSIUM ON BIOMEDICAL ENGINEERING, 2006, Patra Greece
- 25) European Geophysical Union, EGU 2009, Vienna, Austria
- 26) European Geophysical Union, EGU 2010, Vienna, Austria
- 27) European Geophysical Union, EGU 2011, Vienna, Austria
- 28) erA-7, 2012, The Conference for International Synergy in Energy, Environment, Tourism and contribution of Information Technology in Science, Economy, Society and Education
- 29) erA-8, 2013, The Conference for International Synergy in Energy, Environment, Tourism and contribution of Information Technology in Science, Economy, Society and Education
- 30) BIOMEPP 2013, 2nd International Conference on Biomedical Instrumentation and Related Engineering and Physical Sciences
- 31) RPM 2014, Varna, Bulgaria - 2nd International conference on radiation protection in medicine
- 32) ICCE-2014, International Conference on Clean Energy-2014, June 8-12, 2014, Istanbul, Turkey
- 33) erA-9, 2014, The Conference for International Synergy in Energy, Environment, Tourism and contribution of Information Technology in Science, Economy, Society and Education
- 34) erA-10, 2015, The Conference for International Synergy in Energy, Environment, Tourism and contribution of Information Technology in Science, Economy, Society and Education.
- 35) European Conference on Protection Against Radon at Home and at Work, Praha,

Workshop, June 2-6 1997.

36) 1st Southeastern - European Regional Radon Workshop, Athens, Laboratory Intercomparison II, 3-5 April 1997.

4.6. Technical-Technological skills

- Measurement of radon and progeny
- Measurement of environmental ionising and non-ionising radiation
- Monte Carlo simulation of medical imaging detectors
- EGSnrcMP -GATE/GEANT 4, MCNP expertise
- Experimental and theoretical techniques of scintillator physics
- Nanophosphors and Quantum Dots.
- Radiation-Health dosimetry and safety
- Health Effects of Electromagnetic Radiation
- Signal Analysis methods-Wavelets
- Chaos-Fractals
- Entropy and Block Entropy techniques-Symbolic Dynamics
- Environmental EM radiation-Soil radon- Earthquake precursors
- Data reduction and error analysis
- Statistics and non-linear methods
- Medical Imaging
- g++,gfortran (skilled), BASIC, Pascal
- Linux (experienced user), Octave, GNUplot (experienced user)
- Operating systems: LINUX, UNIX, Windows (experienced user)
- Applications PC: Open-Libre Office, Word, Excel, Access, PowerPoint, SPSS,

Mathematica, Minitab, StatPlus, PC Origin, ROOT, Grace e.tc. (experienced user)

4.7.Foreign Languages

English (excellent)

German (very well)

5. UNIVERSITY TEACHING

5.1.Basic degree

LABORATORY OF MEDICAL PHYSICS OF UNIVERSITY ATHENS (1994-1996)

Laboratory exercises in Medical Physics, Medical School, University of Athens

TEI of ATHENS (2001-2006)

Ionising Radiations, I, II, III

Quality assurance in Nuclear Medicine

Quality assurance in Radiotherapy

Compartmental Analysis

Dosimetry in Nuclear Medicine

Linear Accelerator

TOTAL OF HOURS OF TEACHING: 760

TEI of PIRAEUS (2002-2017)

Laboratory exercises in Physics

Physics, Digital Communications (lectures)

TOTAL OF HOURS OF TEACHING: >5,000

Supervision of postgraduate thesis: >30

UNIVERSITY of WEST ATTICA (2017-)

Physics (lectures), Signals and Systems (lab)

TOTAL OF HOURS OF TEACHING: 160

5.2.POSTGRADUATE DEGREE

LABORATORY OF MEDICAL PHYSICS UNIVERSITY OF PATRAS (2002-2005 & 2017-2020)

MSc course in Medical Physics:

- Qualitative assurance in Nuclear Medicine
- Radiopharmaceuticals
- Dosimetry in Nuclear Medicine
- Interaction of Radiation with Matter

f.Piraeus University of Applied Sciences & Nottingham University,

"MSc in Education Sciences and Learning Technologies" (2015-2016)

University of West Attica,

“Erasmus+ LMPI Licence, MASTER Professionnels Pour Le Developpement, L' Administration, La Gestion, La Protection Des Systemes Et Reseaux Informatiques Dans Les Entreprises En Moldavie, Au Kazakhstan, Au Vietnam” (2017-2019)

6. ACADEMIC PLACES

- 1.Laboratory of Radioisotopes (Department of Whole-body Radiation) Ippokation Hospital Athens, Laboratory of Medical Physics of Medical Faculty of Athens University (1994-1997)
- 2.Laboratory of Medical Physics of Medical Faculty of Athens University (1994-2001)
- 3.Department of Medical Instrumentation and Technology, f.TEI of Athens (2001 - 2006)
- 4.Department of Physics, Chemistry and Material Science, f.TEI of Piraeus (2001-2011)
- 5.Department of Electronic Computer Systems Engineering, f,TEI of Piraeus (2014-2018)
- 6.Department of Informatics and Computer Engineering, University of West Attica (2018-2019)
- 7.Department of Industrial Design and Production Engineering, University of West Attica (2019-)

7. COLLABORATIONS

1. f.TEI of Piraeus, Greece
2. f.TEI of Athens, Greece, Department of Electronics
3. Athens University, Medical School, Greece, Laboratory of Medical Physics.
4. f.TEI of IONIAN ISLANDS, Greece, Department of Ecology and Environment.
5. University of Aegean, Greece, Department of Environment.
- 6.University of Cranfield, UK, School of Applied Sciences

7. Brunel University, UK, Department of Electronic Engineering

8. Georgian Technical University, Georgia

9. University of Patras, Medical School, Laboratory of Medical Physics.

10. National Technical University of Athens, Department of Mechanical engineers, Sector of Nuclear Technology.

8. EDITORIAL COMMITTEE

Reviewer in the following peer-reviewed scientific journals

1. *Nature Scientific Reports*, Nature Publishing Group, Impact Factor 5.525

2. *Journal of Exposure Science and Environmental Epidemiology*, Nature Publishing Group, Impact Factor 2.927

3. *Journal of Environmental Radioactivity*, Elsevier, Impact Factor 1.339

4. *The Science of the Total Environment*, Elsevier, Impact Factor 3.536

5. *Radiation Measurements*, Elsevier, Impact Factor 1.455

6. *Applied Radiation and Isotopes*, Elsevier, Impact Factor 1.172

7. *Journal of Atmospheric and Solar-Terrestrial Physics*, Elsevier, Impact Factor 1.790

8. *Earthquake Science*, Elsevier.

9. *Radiation and Environmental Biophysics*, Springer, Impact Factor 1.696

10. *Journal of Radioanalytical and Nuclear Chemistry*, Springer, Impact Factor 1.520

11. *Acta Geophysica*, Springer, Impact Factor 1.704

12. *Environmental Monitoring and Assessment*, Springer, Impact Factor 1.663.

13. *Analytical Methods*, RCS, Impact Factor 1.547

14. *Environmental Science: Processes and Impacts*, RCS Publishing, Impact Factor 2.401

15. *Geomatics, Natural Hazards and Risk*, Taylor & Francis. Impact Factor 2.332

16. *Geosciences*, MDPI Publishing (OA), Impact Factor 1.82
17. *Atmosphere*, MDPI Publishing (OA), Impact Factor 1.704
18. *Remote Sensing*, MDPI Publishing (OA), Impact Factor 4.118
19. *Mathematical and Computational Applications*, MDPI Publishing (OA),
20. *Sensors*, MDPI Publishing (OA), Impact Factor 3.72
21. *IJERPH*, MDPI Publishing (OA)
22. *Scientific World Journal*, Hindawi (OA).
23. *Journal of Earth Science Research*, Bowen Publishing (OA)
24. *Journal of Earth Science and Climatic Changes*, OMICS (OA)
25. *Environmental Engineering and Management Journal*, Technical University of IASL.

9.SCIENTIFIC RESEARCH

INTERNATIONAL FULL PAPERS IN PEER-REVIEWED INDEXED JOURNALS AND BOOKS

The following journals and books are indexed by order in GoogleScholar, CrossRef, SCOPUS, SCI & SCI expanded, EntrezPubMed, Index Copernicus, EBSCO, OCLC, RefSeek, ProQuest, HINARI, Sherpa Romeo, Open J Gate, Geramics Journal Seek, Google

1. ANTONOPOULOS A, NIKOLOPOULOS D, GEORGIU E, KYRIAKIDIS M, TOUTOUZAS P, Proukakis C. Effects of afterload increase on Thallium-201 scintigraphy and comparison with conventional exercise imaging. *J Nucl Cardiol* 1997; 4(1):S57, doi: [http://dx.doi.org/10.1016/S1071-3581\(97\)91338-6](http://dx.doi.org/10.1016/S1071-3581(97)91338-6). IF=3.872

2. ANTONOPOULOS A, GEORGIU E, KYRIAKIDIS M, NIKOLOPOULOS D, TOUTOUZAS P, PROUKAKIS C. Early post-exercise Thallium-201 Reinjection after

sublingual Nitroglycerin Augmentation: Effects on Detection of Myocardial Ischemia and/or Viability. *Clin. Cardiol*, 1998 21(6):419-426, doi: <http://dx.doi.org/10.1159/000006833>. IF=5.0

3. ANTONOPOULOS A, GEORGIU E, KYRIAKIDIS M, NIKOLOPOULOS D, PROUKAKIS C, TOUTOUZAS P. Thallium-201 for detection of myocardial viability: comparison of early postexercise reinjection and imaging with 4 and 18-24 hours redistribution imaging. *Cardiol*. 1998 90(2):137-144, doi: <http://dx.doi.org/10.1159/000006833>. IF=2.9

4. LOUIZI A, KOUKOULIOU V, NIKOLOPOULOS D, NTALLES K, VECIOS P, PROUKAKIS C. Exposure of the Arnea Chalkidikis inhabitants to radon-risk assessment. *Phys. Med*. 1999 XV(3):221. IF=3.4

5. NIKOLOPOULOS D, LOUIZI A, PETROPOULOS N, SIMOPOULOS S, PROUKAKIS C. Experimental study of cup-type radon dosimeters. *Rad. Prot. Dosim*. 1999 83(3): 263-266, doi: <http://dx.doi.org/10.1093/oxfordjournals.rpd.a032681>. IF=0.954

6. ANTONOPOULOS A, NIKOLOPOULOS D, GEORGIU E, KYRIAKIDIS M, PROUKAKIS C. Blood pressure elevation after phenylephrine infusion may adversely affect myocardial perfusion in patients with coronary artery disease. *Int. J. Cardiol*. 2002 84(2-3):201-209, [http://dx.doi.org/10.1016/S0167-5273\(02\)00146-8](http://dx.doi.org/10.1016/S0167-5273(02)00146-8). IF=4.039

7. NIKOLOPOULOS D, LOUIZI A, KOUKOULIOU V, SEREFOGLOU A, GEORGIU E, NTALLES K, PROUKAKIS C. Radon survey in Greece-Risk Assessment. *J. Environ. Radioactiv*. 2002 63(2):173-176, doi: [http://dx.doi.org/10.1016/S0265-931X\(02\)00026-7](http://dx.doi.org/10.1016/S0265-931X(02)00026-7). IF=0.954

8. LOUIZI A, NIKOLOPOULOS D, KOUKOULIOU V, KEHAGIA K. Study of two areas in Greece with enhanced radon concentrations. *Rad. Prot. Dosim*. 2003 106(3): 219-226, doi: <http://dx.doi.org/10.1093/oxfordjournals.rpd.a006352>. IF=0.954

9. NIKOLOPOULOS D, LIAPARINOS P, MARGETIS D, LINARDATOS D, MELLISAROPOULOS P, KOURKOUTAS K, PANAYIOTAKIS G., CAVOURAS D, KANDARAKIS I. Investigation of the radiation detection properties of Lu₂SiO₅:Ce and Gd₂O₂S scintillators for applications in medical imaging. *Europ. Radiol.* 2004 14(S2):519. IF=5.9

10. MARGETIS D, LINARDATOS D, NIRGIANNAKI E, ROUSSOU M, NIKOLOPOULOS D, EPISKOPAKIS A, SIANOUDIS I, CAVOURAS D, KANDARAKIS I. Experimental evaluation of a YAG: Ce phosphor for application in medical radiography detectors. *Europ. Radiol.* 2004 14(S2): 517. IF=5.9

11. VOGIANNIS E, NIKOLOPOULOS D, LOUIZI A, HALVADAKIS C. Radon variations during treatment in thermal spas of Lesvos Island (Greece). *J. Environ. Radioactiv.* 2004 75(2):159-170, doi: <http://dx.doi.org/10.1016/j.jenvrad.2003.12.002>. IF=2.655

12. VOGIANNIS E, NIKOLOPOULOS D, LOUIZI A. HALVADAKIS C. Radon exposure in the thermal spas of Lesvos island-Greece. *Rad. Prot. Dosim.* 2004 111(1):1-7, doi: <http://dx.doi.org/10.1093/rpd/nch373>. IF=0.954

13. VALAIS I, KANDARAKIS I, NIKOLOPOULOS D, SIANOUDIS I, DIMITROPOULOS N, CAVOURAS D, NOMICOS C, PANAYIOTAKIS G. Luminescence efficiency of (Gd₂SiO₅:Ce) scintillator under X-ray excitation. *IEEE Nucl. Sci. Symp. Conf. Rec.* 2004 5:2737-2741, doi: <http://dx.doi.org/10.1109/NSSMIC.2004.1466256>. IF=0.101

14. LIAPARINOS P, KANDARAKIS I, CAVOURAS D, NIKOLOPOULOS, D, VALAIS I. Simulating the emission efficiency and resolution properties of fluorescent screens by Monte Carlo methods. *IEEE Nucl. Sci. Symp. Conf. Rec.* 2004 2:1187-1191, doi: <http://dx.doi.org/10.1109/NSSMIC.2004.1462347>. IF=0.101

15. VOGIANNIS E, NIKOLOPOULOS D, LOUIZI A, HALVADAKIS C. Radon variations

during treatment in thermal spas of Lesvos Island (Greece). *J. Environ. Radioactiv.* 2004 76(3):283-294, doi: <http://dx.doi.org/10.1016/j.jenvrad.2003.11.009>. IF=2.655

16. GERANIOS A, NIKOLOPOULOS D, LOUIZI A, KARATZI A. Multiple Radon Survey in Spa of Loutra Edipsou (Greece). *Rad. Prot. Dosim.* 2004 112(2): 251-258, doi: <http://dx.doi.org/10.1093/rpd/nch392>. IF=0.954

17. LIAPARINOS P, KANDARAKIS I, CAVOURAS D, NIKOLOPOULOS D, PANAYIOTAKIS G. Monte Carlo study on radiation absorption properties of Gd₂O₂S, CsI, LSO, CaWO₄ phosphor screens for mammographic x-ray imaging. *Europ. Radiol.* 2005 15(S1): 538-539, doi: <https://doi.org/10.1118/1.2724065>. IF=5.9

18. GAITANIS A, KANDARAKIS I, CAVOURAS D, KALIVAS N, DIMITROPOULOS N, NIKOLOPOULOS D, PANAYIOTAKIS G. The Importance of Detector Type, Detector Material, Reconstruction Filter & Reconstruction Algorithm in Simulated Computed Tomography Breast Imaging. *Europ. Radiol.* 2005 (S1): 541, doi: <https://dx.doi.org/10.1594/ECR05/C-0955>. IF=5.9

19. PETALAS A, VOGIANNIS S, NIKOLOPOULOS D, HALVADAKIS CP. Preliminary survey of outdoor gamma dose rates in Lesvos Island (Greece). *Rad. Prot. Dosim.* 2005 113:336-341, doi: <http://dx.doi.org/10.1093/rpd/nch455>. IF=0.954

20. NIKOLOPOULOS D, LOUIZI A, SEREFOGLOU A, MALAMITSI J. Radon exposure of the Greek population due to radon. *Radioactivity in the Environment* 2005 7:425-430, doi: [http://dx.doi.org/10.1016/S1569-4860\(04\)07049-4](http://dx.doi.org/10.1016/S1569-4860(04)07049-4).

21. LOUIZI A, NIKOLOPOULOS D, SEREFOGLOU A, MALAMITSI J. Preliminary study of two high radon areas in Greece. *Radioactivity in the Environment* 2005 7:431-437, doi: [http://dx.doi.org/10.1016/S1569-4860\(04\)07050-0](http://dx.doi.org/10.1016/S1569-4860(04)07050-0).

22. CAVOURAS D, KANDARAKIS I, NIKOLOPOULOS D, KALATZIS I, EPISKOPAKIS A,

LINARDATOS D, ROUSSOU M, NIRGIANAKI E, MARGETIS D, VALAIS I, KALIVAS N, KOURKOUTAS K, SIANOUDIS I, DIMITROPOULOS N, LOUIZI A, NOMICOS C, PANAYIOTAKIS G. Light emission efficiency and imaging performance of Y₂Al₅O₁₂:Ce (YAG:Ce) powder scintillator under diagnostic radiology conditions, *Appl. Phys. (B)* 2005 80(7):923-933, doi: <http://dx.doi.org/10.1007/s00340-005-1791-8>. IF=2.171

23. KANDARAKIS I, CAVOURAS D, NIKOLOPOULOS D, ANASTASIOU A, DIMITROPOULOS N, KALIVAS N, VENTOURAS E, KALATZIS I, NOMICOS C, PANAYIOTAKIS G. Evaluation of ZnS:Cu phosphor as x-ray to light converter under mammographic conditions. *Radiat. Meas.* 2005 39(3):263-275, doi: <http://dx.doi.org/10.1016/j.radmeas.2004.02.023>. IF=1.743

24. VALAIS I, KANDARAKIS I, NIKOLOPOULOS D, SIANOUDIS I, LOUDOS G, GIOKARIS N, NIKITA K, CAVOURAS D, DIMITROPOULOS N, NOMICOS C, PANAYIOTAKIS G. Luminescence properties of LuYSiO₅:Ce, Gd₂SiO₅:Ce and CsI:Tl single crystal scintillators under X-ray excitation, for use in medical imaging systems. *IEEE Nucl. Sci. Symp. Conf. Rec.* 2005 3:1323-1327, doi: <https://doi.org/10.1109/NSSMIC.2005.1596187>. IF=0,101

25. VALAIS I, CONSTANTINIDIS A, SALEMIS G, NIKOLOPOULOS D, DIMITROPOULOS N, CAVOURAS D, PANAYIOTAKIS G, KANDARAKIS I. Evaluation of cerium doped Yttrium Aluminum Oxide (YAG and YAP) powder scintillating screens for use in x-ray imaging. *Biomed. Tech.* 2005 50(1): 11-12. IF=1.426

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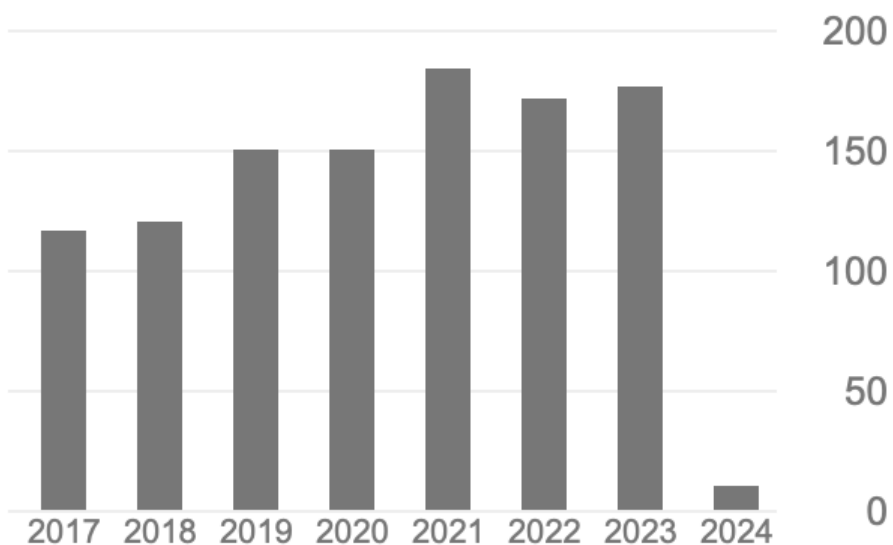
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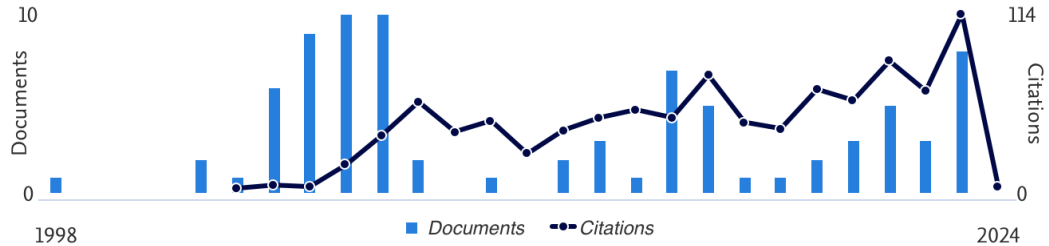
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