

NIKOLOPOULOS DIMITRIOS
RADIATION-HEALTH PHYSICIST

CURRICULUM VITAE

Date: 13/07/2017

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: ASSOCIATE PROFESSOR
INSTITUTE: PIRAEUS UNIVERSITY OF APPLIED SCIENCES
DEPARTMENT: ELECTRONIC COMPUTER SYSTEMS ENGINEERING
POSITION'S DESCRIPTION: APPLIED ENVIRONMENTAL & HEALTH PHYSICS

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--

PUBLICATIONS-OVERVIEW

PUBLICATIONS IN PEER-REVIEWED INDEXED INTERNATIONAL JOURNALS:	94
PUBLICATIONS IN PEER-REVIEWED INTERNATIONAL JOURNAL SUPPLEMENTS:	13
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 :	5
PUBLICATIONS IN PEER-REVIEWED GREEK JOURNAL SUPPLEMENTS:	1
PUBLICATIONS IN PEER-REVIEWED GREEK CONFERENCE PROCEEDINGS:	3
PUBLICATIONS IN ABSTRACTS OF GREEK CONFERENCES :	15

TOTAL: 266

***TOTAL OF INTERNATIONAL PEER-REVIEWED INDEXED PUBLICATIONS* 107**

1ST AUTHOR: 30
2ND AUTHOR: 31
LAST AUTHOR: 4
OTHER: 42

***TOTAL OF GREEK ARTICLES* 10**

1ST AUTHOR: 3
2ND AUTHOR: 4
LAST AUTHOR: 0
OTHER: 3

IMPACT FACTOR SUM:	109.783
IMPACT FACTOR AVERAGE (60 articles) :	1.829
TOTAL CITATIONS [GOOGLE SCHOLAR, 13-07-2017]	746
TOTAL CITATION WITHOUT SELF CITATIONS [GOOGLE SCHOLAR, 13-07-2017]	559
TOTAL CITATIONS [ELSEVIER SCOPUS, 13-07-2017]	446
INDEX h [GOOGLE SCHOLAR, 13-07-2017]	17
INDEX i10 [GOOGLE SCHOLAR, 13-07-2017]	29

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: Technological Education Institute (TEI) of PIRAEUS,
Petrou Ralli and Thivon 250, 12244, Aigaleo Athens-Greece
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url-1 <http://scholar.google.gr/citations?user=BuZ2IJQAAAAJ&hl=el>
url-2 [https://www.researchgate.net/profile/
Dimitrios_Nikolopoulos6?ev=hdr_xprf](https://www.researchgate.net/profile/Dimitrios_Nikolopoulos6?ev=hdr_xprf)
url-3 <http://www.researchers.gr/el/node/71649>

2. PRESENT PLACE

Associate Professor, TEI of Piraeus

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 Check 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) BIOMEPE 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-today)

Laboratory exercises in Physics
Physics, Digital Communications (lectures)
TOTAL OF HOURS OF TEACHING: >10,000
Supervision of postgraduate thesis: >30

5.2.POSTGRADUATE DEGREE

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

MSc course of Laboratory of Medical Physics of University of Patras on the subjects:

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

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, TEI of Athens (2001 - 2006)
- 4.Department of Physics, Chemistry and Material Science, TEI of Piraeus (2001-2011)
- 5.Department of Electronic Computer Systems Engineering, TEI of Piraeus (2014-)

7. COLLABORATIONS

7.1. Current Collaborating Institutes:

1. TEI of Piraeus, Greece
2. TEI of Athens, Greece, Department of Electronics
3. Athens University, Medical School, Greece, Laboratory of Medical Physics.
4. 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.

7.2. Former Collaborating Institutes

1. National Technical University of Athens, Department of Mechanical engineers, Sector of Nuclear Technology.
2. Athens University, Department of Physics
3. TEI of CRETE
4. Università degli Studi di Catania, CRAM3RA
5. Consorzio inter-Universitario (C.U.G.R.I.), University Center for Prediction and Prevention of Large Risks
6. UNIVERSIDAD POLITECNICA DE VALENCIA, Multidisciplinary Center of Fluids Modelling
7. Greek Atomic Energy Committee

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 Environmental Radioactivity*, Impact Factor 1.339
3. *The Science of the Total Environment*, Elsevier, Impact Factor 3.536
4. *Radiation Measurements*, Elsevier, Impact Factor 1.455

5. *Applied Radiation and Isotopes*, Elsevier, Impact Factor 1.172
6. *Radiation and Environmental Biophysics*, Springer, Impact Factor 1.696
7. *Journal of Radioanalytical and Nuclear Chemistry*, Springer, Impact Factor 1.520
8. *Analytical Methods*, RCS, Impact Factor 1.547
9. *Sensors*, IEEE, Impact Factor 1.888.
10. *Environmental Science: Processes and Impacts*, RCS Publishing, Impact Factor 2.401
11. *Environmental Monitoring and Assessment*, Springer, Impact Factor 1.663.
12. *Journal of Earth Science Research*, Bowen Publishing (OA)
13. *Journal of Earth Science and Climatic Changes*, OMICS (OA)
14. *Geosciences*, MDPI Publishing (OA)
15. *Scientific World Journal*, Hindawi (OA).
16. *Acta Geophysica*, Springer, Impact Factor 0.968
17. *Geomatics, Natural Hazards and Risk*, Taylor & Francis, Impact Factor 1.71
18. *Journal of Exposure Science and Environmental Epidemiology*, Nature Publishing Group, Impact Factor 2.927
19. *Environmental Engineering and Management Journal*, Technical University of IASI.

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, 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.

Impact Factor: 2.431

2.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. *Cardiology* 1998; 90(2):137-144.

Impact Factor: 1.994

3. **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.

Impact Factor: 0.894

4. 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.

Impact Factor: 2.07

5.**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.

Impact Factor: 2.047

6. 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.

Impact Factor: 0.894

7. 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

Impact Factor: 2.047

8. 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.

Impact Factor: 0.894

9. 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.

10. 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.

11. 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

Impact Factor: 2.047

12. 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.

Impact Factor: 0.894

13.PETALAS A, VOGIANNIS S, **NIKOLOPOULOS D**, HALVADAKIS CP. Preliminary survey of outdoor gamma dose rates in Lesbos Island (Greece). *Rad Prot Dosim* **2005**; 113:336-341

Impact Factor: 0.894

14.**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.

15.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.

16.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 $Y_2Al_5O_{12}:Ce$ (YAG:Ce) powder scintillator under diagnostic radiology conditions, *Appl Phys (B)* **2005**; 80(7):923-933

Impact Factor: 1.785

17.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

Impact Factor: 1.071

18.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 $LuYSiO_5:Ce$, $Gd_2SiO_5:Ce$ 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.

19.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

Impact Factor: 1.650

20.TSANTILAS X, LOUIZI A, VALAIS I, **NIKOLOPOULOS D**, SAKELLIOS N, KARAKATSANIS N, LOUDOS G, NIKITA K, MALAMITSI J, KANDARAKIS I. Simulation of commercial PET scanners with GATE Monte Carlo simulation package. *Biomed Tech* **2005**; 50(1):114-115.

Impact Factor: 1.650

21.VALAIS I, KANDARAKIS I, **NIKOLOPOULOS D**, LOUDOS G, GIOKARIS N, KARAGIANNIS C, EPISKOPAKIS A, DIMITROPOULOS N, PANAYIOTAKIS G. Experimental determination of luminescence emission properties of CsI: Tl, LuYSiO₅: Ce (LYSO: Ce) and Gd₂SiO₅: Ce (GSO: Ce) single crystal scintillators for use in non projection X-ray imaging. *Biomed Tech* **2005**; 50(1):1112-1113

Impact Factor: 1.650

22.**NIKOLOPOULOS D**, KANDARAKIS I, VALAIS I, GAITANIS A, CAVOURAS D, PANAYIOTAKIS G, LOUIZI A. X-ray absorption and x-ray fluorescence of medical imaging scintillating screens via application of Monte Carlo methods. *Biomed Tech* **2005**; 50(1):1124-1125.

Impact Factor: 1.650

23.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 Trans Nucl Sci* **2005**; 52(5):1830-1835

Impact Factor: 1.198

24.KANDARAKIS I, CAVOURAS D, SIANOUDIS I, **NIKOLOPOULOS D**, EPISKOPAKIS A, LINARDATOS D, MARGETIS D, NIRGIANNAKI E, ROUSSOU M, MELISSAROPOULOS P, KALIVAS N, KALATZIS I, KOURKOUTAS K, DIMITROPOULOS N, LOUIZI A, NOMICOS C, PANAYIOTAKIS G. On the response of $Y_3AL_5O_{12}: Ce$ (YAG: Ce) powder scintillating screens to medical imaging x-rays. *Nucl Instr Meth A* **2005**; 538: 615-630

Impact Factor: 1.200

25.KANDARAKIS I, CAVOURAS D, **NIKOLOPOULOS D**, LIAPARINOS P, EPISKOPAKIS A, KOURKOUTAS K, KALIVAS N, DIMITROPOULOS N, SIANOUDIS I, NOMICOS C, PANAYIOTAKIS G. Modelling Angular distribution of light emission in granular scintillators used in X-ray imaging detectors. In: *Recent Advances in Multidisciplinary Applied Physics*. Netherlands: Elsevier; **2005** 909-918.

26.CAVOURAS D, **NIKOLOPOULOS D**, EPISKOPAKIS A, KALIVAS N, SIANOUDIS I, DIMITROPOULOS N, NOMICOS C, PANAYIOTAKIS G, KANDARAKIS I. A theoretical model evaluating the angular distribution of luminescence emission in x-ray scintillating screens. *Appl Radiat Isotop* **2006**; 64(4): 508-519

Impact Factor: 1.136

27.**NIKOLOPOULOS D**, VALAIS I, KANDARAKIS I, CAVOURAS D, LINARDATOS D, SIANNOUDIS I, LOUIZI A, DIMITROPOULOS N, VATTIS D, EPISKOPAKIS A, NOMICOS C, PANAYIOTAKIS G. Evaluation of GSO: Ce scintillator in the x-ray energy range from 40 to 140 kV for possible applications in medical X-ray imaging. *Nucl Instr Method (A)* **2006**; 560(2): 577-583.

Impact Factor: 1.200

28.**NIKOLOPOULOS D**, KANDARAKIS I, CAVOURAS D, LOUIZI A, NOMICOS C. Investigation of radiation absorption and x-ray fluorescence of medical imaging scintillators by Monte Carlo Methods. *Nucl Instr Method (A)* **2006**; 565(2):821-832.

Impact Factor: 1.200

29.DAVID S, MICHAEL C, VALAIS I, **NIKOLOPOULOS D**, KALIVAS N, KALATZIS I, KARATOPIA A, CAVOURAS D, LOUDOS G, PANAYIOTAKIS GS, KANDARAKIS I. Luminescence efficiency of $\text{Lu}_2\text{SiO}_5:\text{Ce}$ (LSO) powder scintillator for X-ray medical radiography applications. *IEEE Nucl Sci Symp Conf Rec* **2006**; 2: 1178-1182.

30. VALAIS I, DAVID S, MICHAEL C, **NIKOLOPOULOS D**, CAVOURAS D, SIANOUDIS I, KOURKOUTAS C, KANDARAKIS I, PANAYIOTAKIS G. Investigation of luminescence emission properties of $(\text{Lu},\text{Y})_2\text{SiO}_5:\text{Ce}$ (LYSO:Ce) and $(\text{Lu},\text{Y})\text{AlO}_3:\text{Ce}$ (LuYAP:Ce) single crystal scintillators under x-ray exposure for use in medical imaging. *IEEE Nucl Sci Symp Conf Rec* **2006**; 2: 1187-1191.

31.VALAIS I, KANDARAKIS I, **NIKOLOPOULOS D**, KONSTANTINIDIS A, SIANOUDIS I, CAVOURAS D, DIMITROPOULOS N, NOMICOS C, PANAYIOTAKIS G. Evaluation of light emission efficiency of LYSO: Ce scintillator under x-ray excitation for possible applications in medical imaging. *Nucl Instr Method (A)* **2006**; 569(2):201-204.

Impact Factor: 1.200

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