

CV – Dionysios Linardatos

Typical Information

Birth Date: 5/07/1980
Address: Loulou 4, Chania, Greece
Telephone: +30-6977966176
e-mail: dlinardatos2004@gmail.com

Employment Experience

09/2015 – today: Chania General Hospital, Biomedical Engineering Department.

Responsibilities: Biomedical Engineer.
Procurement evaluation, Specifications consultation and
Contract execution Committees Member for Biomedical Equipment.

02/2006 – 09/2015: Diachel Diagnostics S.A.

Responsibilities: Field service engineer – Application specialist.

Research Activity

Patent Pending Application to the Hellenic Industrial Property Organization (OBI).

Title: Scintillating screens preparation method with graphite layer
embedded in epoxy resin.

Applicants: Christos Michail; Dionysios Linardatos; Ioannis Valais; George
Fountos; University of West Attica.

OBI filing nr: 20230100494

e-filing case nr: 2418-0004776158

Filing date: 19/10/2023

**05/2023 – ongoing: Postdoctoral Research in Biomedical Engineering,
Biomedical Engineering Department, University of West Attica, Greece.**

Subject: Optimization of the resin method for thin scintillating screens deposition.
Application in CMOS imaging systems for medical X-ray applications.

Supervisor: Asst. Prof. Christos Michail

**02/2020 – 03/2023: PhD in Biomedical Engineering,
Biomedical Engineering Department, University of West Attica, Greece.**

Dissertation Title: Development of a prototype CMOS digital imaging system for X-ray
medical applications.

Advisory committee: Asst. Prof. Christos Michail (supervisor), Prof. George Fountos,
Prof. Ioannis Valais.

National Archive link: <https://www.didaktorika.gr/eadd/handle/10442/53575?locale=en>
(Restricted access to full text until 03/2024 was mandatory for
the Patent application, as per the Hellenic Industrial Property
Organization 's regulations).

Citation Databases:

Scopus author ID [6507437088](#)
ORCID [0000-0001-5415-074X](#)
Google Scholar [ZGQjC6gAAAAJ](#)
Web of Science ID [AAL-5483-2021](#)
ResearchGate <https://www.researchgate.net/profile/Dionysios-Linardatos>

Scientific Publications (peer-reviewed):

Linardatos, D.; Fountos, G.; Valais, I.; Michail, C. A Novel Method for Developing Thin Resin Scintillator Screens and Application in an X-Ray CMOS Imaging Sensor. *Sensors* **2023**, *23*, 6588, doi:[10.3390/s23146588](#).

IF (2023): 3.9

Linardatos, D.; Ntoupis, V.; Tseremoglou, S.; Valais, I.; Ninos, K.; Bakas, A.; Lavdas, E.; Kandarakis, I.; Kalyvas, N.; Fountos, G.; et al. Light Output Dependence of CeBr₃ Hygroscopic Scintillator upon Temperature. *Procedia Structural Integrity* **2023**, *47*, 80–86, doi:[10.1016/j.prostr.2023.06.043](#).

CiteScore (2023): 2.1

Ntoupis, V.; **Linardatos, D.**; Saatsakis, G.; Kalyvas, N.; Bakas, A.; Fountos, G.; Kandarakis, I.; Michail, C.; Valais, I. Response of Lead Fluoride (PbF₂) Crystal under X-Ray and Gamma Ray Radiation. *Photonics* **2023**, *10*, 57, doi:[10.3390/photonics10010057](#).

IF (2023): 2.4

Tseremoglou, S.; Ntoupis, V.; **Linardatos, D.**; Valais, I.; Michail, C.; Bakas, A.; Ninos, K.; Lavdas, E.; Kandarakis, I.; Fountos, G.; et al. Temperature Dependence of the Luminescence Output of LaCl₃:Ce Single Crystal Scintillator. *Procedia Structural Integrity* **2023**, *47*, 119–124, doi:[10.1016/j.prostr.2023.07.002](#).

CiteScore (2023): 2.1

Linardatos, D.; Michail, C.; Kalyvas, N.; Ninos, K.; Bakas, A.; Valais, I.; Fountos, G.; Kandarakis, I. Luminescence Efficiency of Cerium Bromide Single Crystal under X-Ray Radiation. *Crystals* **2022**, *12*, 909, doi:[10.3390/cryst12070909](#).

IF (2023): 2.7

Linardatos, D.; Velissarakos, K.; Valais, I.; Fountos, G.; Kalyvas, N.; Michail, C. Cerium Bromide Single-Crystal X-Ray Detection and Spectral Compatibility Assessment with Various Optical Sensors. *Material Design & Processing Communications* **2022**, *2022*, 1–7, doi:[10.1155/2022/7008940](#).

CiteScore (2023): 2.3

Linardatos, D.; Revi, D.; Ntoupis, V.; Kalyvas, N.; Ninos, K.; Bakas, A.; Lavdas, E.; Kandarakis, I.; Fountos, G.; Valais, I.; et al. Temperature Dependence of ZnSe:Te Scintillator. *Procedia Structural Integrity* **2022**, *41*, 82–86, doi:[10.1016/j.prostr.2022.05.010](#).

CiteScore (2023): 2.1

Linardatos, D.; Koukou, V.; Martini, N.; Konstantinidis, A.; Bakas, A.; Fountos, G.; Valais, I.; Michail, C. On the Response of a Micro Non-Destructive Testing X-Ray Detector. *Materials* **2021**, *14*, 888, doi:[10.3390/ma14040888](https://doi.org/10.3390/ma14040888).

MDPI Top-10 Cited Papers Award 2021

IF (2022): 3.748

Linardatos, D.; Koukou, V.; Martini, N.; Konstantinidis, A.; Bakas, A.; Fountos, G.; Valais, I.; Michail, C. Assessing the Information Content of a Non-Destructive Testing CMOS Imaging Detector. *Procedia Structural Integrity* **2021**, *33*, 304–311, doi:[10.1016/j.prostr.2021.10.037](https://doi.org/10.1016/j.prostr.2021.10.037).

CiteScore (2022): 2.1

Saatsakis, G.; **Linardatos, D.**; Karpetas, G.; Kalyvas, N.; Ninos, K.; Bakas, A.; Lavdas, E.; Fountos, G.; Kandarakis, I.; Valais, I.; et al. On the Thermal Response of LuAG:Ce Single Crystals. *Procedia Structural Integrity* **2021**, *33*, 287–294, doi:[10.1016/j.prostr.2021.10.035](https://doi.org/10.1016/j.prostr.2021.10.035).

CiteScore (2022): 2.1

Linardatos, D.; Konstantinidis, A.; Valais, I.; Ninos, K.; Kalyvas, N.; Bakas, A.; Kandarakis, I.; Fountos, G.; Michail, C. On the Optical Response of Tellurium Activated Zinc Selenide ZnSe:Te Single Crystal. *Crystals* **2020**, *10*, 961, doi:[10.3390/cryst10110961](https://doi.org/10.3390/cryst10110961).

IF (2021): 2.589

Saatsakis, G.; **Linardatos, D.**; Ninos, K.; Valais, I.; Kalyvas, N.; Bakas, A.; Kandarakis, I.; Fountos, G.; Panayiotakis, G.; Michail, C. Temperature Dependence of the Luminescence Output of CdWO₄ Crystal. Comparison with CaF₂:Eu. *Procedia Structural Integrity* **2020**, *28*, 971–977, doi:[10.1016/j.prostr.2020.11.071](https://doi.org/10.1016/j.prostr.2020.11.071).

SJR Cites/doc (2020): 0.838

Nikolopoulos, D.; **Linardatos, D.**; Valais, I.; Michail, C.; David, S.; Gonias, P.; Bertsekas, N.; Cavouras, D.; Louizi, A.; Kandarakis, I. Monte Carlo Validation in the Diagnostic Radiology Range. *Nucl. Instrum. Methods Phys. Res. A: Accel. Spectrom. Detect. Assoc. Equip.* **2007**, *571*, 267–269, doi:[10.1016/j.nima.2006.10.079](https://doi.org/10.1016/j.nima.2006.10.079).

IF (2007): 1.114

Nikolopoulos, D.; Valais, I.; Kandarakis, I.; Cavouras, D.; **Linardatos, D.**; Sianoudis, I.; Louizi, A.; Dimitropoulos, N.; Vattis, D.; Episkopakis, A.; et al. Evaluation of the GSO:Ce Scintillator in the X-Ray Energy Range from 40 to 140kV for Possible Applications in Medical X-Ray Imaging. *Nucl. Instrum. Methods Phys. Res. A: Accel. Spectrom. Detect. Assoc. Equip.* **2006**, *560*, 577–583, doi:[10.1016/j.nima.2005.12.245](https://doi.org/10.1016/j.nima.2005.12.245).

IF (2006): 1.185

Nikolopoulos, D.; Kandarakis, I.; Cavouras, D.; Valais, I.; **Linardatos, D.**; Michail, C.; David, S.; Gaitanis, A.; Nomicos, C.; Louizi, A. Investigation of Radiation Absorption and X-Ray Fluorescence Properties of Medical Imaging Scintillators by Monte Carlo Methods. *Nucl. Instrum. Methods Phys. Res. A: Accel. Spectrom. Detect. Assoc. Equip.* **2006**, *565*, 821–832, doi:[10.1016/j.nima.2006.05.170](https://doi.org/10.1016/j.nima.2006.05.170).

IF (2006): 1.185

Kandarakis, I.; Cavouras, D.; Sianoudis, I.; Nikolopoulos, D.; Episkopakis, A.; **Linardatos, D.**; Margetis, D.; Nirgianaki, E.; Roussou, M.; Melissaropoulos, P.; et al. On the Response of $Y_3Al_5O_{12}:Ce$ (YAG: Ce) Powder Scintillating Screens to Medical Imaging X-Rays. *Nucl. Instrum. Methods Phys. Res. A: Accel. Spectrom. Detect. Assoc. Equip.* **2005**, *538*, 615–630, doi:[10.1016/j.nima.2004.08.101](https://doi.org/10.1016/j.nima.2004.08.101).

IF (2005): 1.347

Cavouras, D.; Kandarakis, I.; Nikolopoulos, D.; Kalatzis, I.; Kagadis, G.; Kalivas, N.; Episkopakis, A.; **Linardatos, D.**; Roussou, M.; Nirgianaki, E.; et al. Light Emission Efficiency and Imaging Performance of $Y_3Al_5O_{12}:Ce$ (YAG:Ce) Powder Screens under Diagnostic Radiology Conditions. *Applied Physics B* **2005**, *80*, 923–933, doi:[10.1007/s00340-005-1791-8](https://doi.org/10.1007/s00340-005-1791-8).

IF (2005): 2.703

Educational Background

12/2014 – 10/2017: MSc Advanced Systems and Methods in Biomedical Engineering, Technological Educational Institute (TEI) of Athens.

Dissertation: Fabrication of a Breast Ductal Network Phantom for MRI.

09/2003 – 09/2004: MSc in Medical Physics, University of Surrey, Guildford, UK.

Dissertation: Characterisation and Simulation of Ge, CZT, NaI Detectors for Gamma-ray Spectrometry.

03/1999 – 09/2003: Biomedical Engineering, Technological Educational Institute (TEI) of Athens.

Dissertation: Experimental Evaluation and Theoretical Study of YAG:Ce Scintillating Screens' Properties.

Foreign Languages

- **English:** Excellent use
- **Italian:** Very good use

Thank you for reading
December 2023