

1. Personal Details

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2. Current Position

- 2.1. Professor of Medical Radiation Physics – Vice Dean, Faculty of Medicine, University of Thessaly, Greece. – Head of Medical Informatics and Biomedical Imaging Lab.
- 2.2. Visiting Senior Researcher, Department of Neuroimaging, King's College London, UK. 2016- today
- 2.3. Head, Biomedical Imaging and Radiation Protection MSc Course (BIRP), University of Thessaly, Department of Medicine, Larissa, Greece
- 2.4. Board Member EFOMP's European School for Medical Physics Experts (ESMPE)

2.1. Clinical and Professional Experience

1. Associate and Assistant Professor of Medical Radiation Physics, Medical School, University of Thessaly, Greece. 2013 - 2022.
2. Lecturer of Medical Radiation Physics, Medical School, University of Thessaly, Greece. 2006- 2013.
3. Medical Radiation Physicist, University Hospital of Larissa, Greece. 2009 – today (MPE and RPO in Nuclear Medicine and Radiology Departments).

3. Undergraduate Studies

- 3.1. Bachelor of Science in Physics (London Metropolitan University (UNL)), 1998

4. Post Graduate Studies

- 4.1. Master of Science (MSc) in Medical Physics, Department of Medicine and Physics University of Patras and University College London (UCL), 2001
- 4.2. Ph.D. in Medical Physics, University of Thessaly and Karolinska Institutet, Sweden, 2005
- 4.3. Master of Science (MSc) in Clinical Education, University of Edinburgh, Scotland, 2021

5. Member of Scientific Societies

- 5.1. European Society for Therapeutic Radiology and Oncology (ESTRO)
- 5.2. Institute of Physics (IoP)
- 5.3. European Society for Magnetic Resonance in Medicine and Biology (ESMRMB)
- 5.4. European Society of Radiology (ESR)

6. Professional licenses

- 6.1. Medical Radiation Physicist for Ionizing radiations (Greek Ministry of Health, 4912 /17.08.2005), (MPE and RPO, 2020)
- 6.2. Medical Radiation Physicist for Non-Ionizing radiations (4309 /12.07.2005)

7. Reviewer in International peer-reviewed Journals (indicatively)

Physics in Medicine and Biology, European Radiology, Radiotherapy and Oncology, Medical Physics, Journal of Neuroradiology, Neuroradiology, Academic Radiology, Acta Radiologica, Cancer Imaging, Computer Methods and Programs in Biomedicine, Medicine

7a. Reviewer in Research programs + External Evaluator/Referee

1. External examiner for PhD titled: "New methods in quantification and RF pulse optimisation for magnetic resonance spectroscopy", Cardiff University, UK

2. External examiner for PhD titled: "Multi-parametric MRI of prostate cancer" College of Science, Swansea University Singleton Park, Swansea, SA2 8PP, UK
3. External examiner for PhD titled: "Quantitative Magnetic Resonance Spectroscopy" College of Science, Swansea University Singleton Park, Swansea, SA2 8PP, UK
4. UCL Institute of Nuclear Medicine and the Centre of Medical Imaging : Research Associate : MRI physicist for PET/MR
5. University of Bristol, Clinical Research and Imaging Centre: Research: quantitative MRI research on hippocampal substructures at 3T clinical MR systems
6. Imperial College London: Research Associate: Centre of Restorative Neurosciences
7. University Hospitals Coventry & Warwickshire NHS Trust: Clinical Scientist (MRI)
8. The Royal Marsden NHS Foundation Trust: Magnetic Resonance (MR) Physicist.
9. University of Edinburgh: Research Fellow in Magnetic Resonance Imaging
10. Cardiff University Brain Research Imaging Centre: Research Associate quantitative fMRI

8. Editorial Board Member

- Associate Editor, Technology Cancer Research & Treatment (I.F. 3.399)
- Section Editor, Diagnostics (I.F. 3.110)

9. Research Programs Evaluator/Reviewer

- Swiss Cancer League, Swiss Cancer Research, Bern, Switzerland,
- Trans-National Action of Greek Ministry of Education and Religious Affairs
- German - Israeli Foundation for Research and Development

10. Awards - Distinctions

- **MSc Full Scholarship** (17000£) from the Medical School, University of Thessaly, Greece, for the MSc in Clinical Education, University of Edinburgh.
- P044 - Imaging Biomarker Analysis of Structural MR Images for Glioma Grading, ECMP **2nd Best Poster Award**, ECMP 2018 Copenhagen Denmark
- **IAEA Award** - EVT1900768 - RER9147 - Regional Training Course on Radiation Protection in Diagnostic and Therapeutic Nuclear Medicine, Valletta, Malta.
- **Invited Lectures** European Congress of Radiology Vienna **ECR 2015, 2016, 2017** *Diffusion and Perfusion Artifacts in MRI*
- **Brainlab Community Neurosurgery Award**, AANS annual meeting, Washington, DC, USA, May 2015.
- **Jack Fowler – Young Investigator Award** University of Wisconsin at the 8th ESTRO Congress, Lisbon, 26-29 09, 2005
- PostDoc Acceptance **Harvard University**, Dana Farber Cancer Institute for the project: Cancer signature trace in the blood of Radiation Therapy patients. 2007
- **EDRO Fellowship**: (50000 Euro) **Karolinska Institute, Stockholm University** Sweden
- **Fellowship Emory University, Atlanta USA**, in Clinical Radiation Physics (Monte Carlo Dosimetry, Stereotactic Radiotherapy / IMRT techniques in Radiotherapy). (09-12/ 2000).
- Post Doc Fellowship 32.000 Euro, «ΠΥΘΑΓΟΡΑΣ II» Greek Ministry of Education, Patient-specific internal radionuclide dosimetry. (E.Π.E.A.E.K. II.52211.06)
- PhD Fellowship 33.000 Euro, «ΗΡΑΚΛΕΙΤΟΣ» Greek Ministry of Education, Radiation Biology modelling. (E.Π.E.A.E.K. II.52211.06) 2002-2005

11. Funded projects as Coordinator and Partner

1. Principal investigator (P.I.), Greek Ministry of Education, **EΔBM103**, (41.000€) "Multiparametric breast MRI and Artificial intelligence, quantitative imaging biomarkers"
2. P.I., Greek Ministry of Education, "6241" (32.400€): "Quantification and 'deep learning' classification of imaging biomarkers towards the optimization of MRI differential diagnosis" AP.AIT.35 ΓΓΕΤ/ΕΛΙΔΕΚ.
3. P.I.: «*Investigating brain–spine connectivity using functional MRI techniques*» UK Medical Research Council (**BRC-2412_09**, 16800£), **King's College London, UK**

4. P.I., Research Program for the Greek Ministry of Education, Magnetic Resonance Spectroscopy (#4021) 2010-2011 Fellowship 33.000 Euros
5. Senior Researcher, Research Program for the Greek Ministry of Education, Advanced Imaging techniques (Ε.Π.Ε.Α.Ε.Κ. ΙΙΙ κωδ.4480.12) 2012-2014 Grant: 150.000 Euros
6. Senior Researcher, Research Program 'Thalis' for the Greek Ministry of Education, Multifunctional Polymeric Platform of Magnetic Ferrite Colloidal Nanoparticles for Luminescence, Imaging, and Hyperthermia Applications. (#85406) 2013-2016 Grant 250.000 Euros
7. Senior Researcher, Research Program: 'PCaGuard' Τ1ΕΔΚ-03264 , A decision support system based on advanced clinical theranostics protocols for the cost-effective, personalised management of Prostate Cancer Grant 535.627 Euros
8. **Chief Scientific Investigator** of the International Atomic Energy Agency (IAEA – Vienna) Research Project entitled: *"Quality Control and Quality Assurance in Digital Radiology based on Advanced IAEA Tools"* 2021-2025

12. Academic and Teaching Experience

Undergraduate Experience : 17 years experience in the University of Thessaly Medical School: a) Medical Physics 1st Semester, b) Radiation Protection 6th Semester, c) Lecturer in Radiology I and II 6th Semester, d) Lecturer in Nuclear medicine 8th Semester.

Post-graduate Experience: 15 years experience a) Professor, MSc Program in Medical Physics, University of Patras, since 2006-, b) Visiting Appointment, King's College London, Center of NeuroImaging, since 2016 c) Several MSc programs as Visiting Professor

Professional Experience: 15 years experience as 1. Instructor in the Nuclear Medicine Residency Program in Greece - Hellenic Society of Nuclear Medicine & Molecular Imaging. 2. Medical Physics Residency Program in Greece - Hellenic Society of Medical Physics. 3. Radiology Residency Program in the University Hospital of Larissa, Instructor in the Neurosurgery Residency Program in the University Hospital of Larissa

MSc and PhD supervising: 37 MSc and 14 PhD Theses supervisor or member of the examination committee.

- Summary of Publications

Publications:	>120 Publications and > 150 Conference abstracts 1 International Book, 12 Book Chapters
Invited Lectures:	25 in International Conferences 38 in National Conferences
Moderator/Chairman:	11 International Congresses
Main Areas of Research:	- Artificial Intelligence, Deep Learning - Nuclear Medicine techniques - Radiobiology and Radiotherapy - MRI and Advanced Imaging techniques
Number of Citations:	2040 / 1360 (Google Scholar / Scopus)
H - index:	24 / 18
i10-index	58

Book: 'Advanced MR Neuroimaging: From Theory to Clinical Practice' Ioannis Tsougos CRC Press Taylor and Francis ISBN 9781498755238 - CAT# K27451 2017