

Dimitris Emfietzoglou studied physics (BSc) at the University of Athens (Greece) and radiation physics and biophysics (MSc, PhD) at Georgetown University (Washington DC, USA). Currently, is Professor of Medical Radiation Physics at the University of Ioannina Medical School. Supervised the thesis of 4 PhD students, 11 Master students, and 38 undergraduate students, and participated as committee member in 17 PhD examination committees. His research interests include the interaction of ionizing radiation with matter, and Monte Carlo radiation transport simulations and microdosimetry applications in radiation therapy and radiation protection (including space radiation protection for astronauts during long-duration missions). Served as co-PI in 2 EC-funded grants (FP7-PEOPLE and FP7-HEALTH), 3 ESA-funded grants, 2 CNRS-funded grants, and an ARC (Australian Research Council) partner grant. Published 148 papers in peer-review international journals which have received 4903 citations per Scopus (h-index = 42) and 6639 citations per GoogleScholar (h-index = 49). Co-authored (with Hooshang Nikjoo and Shuzo Uehara) a book entitled “Interaction of Radiation with Matter” published by CRC press in 2012 (ISBN 9781439853573). Serves in the Editorial Board of the International Journal of Molecular Sciences (MDPI), Biomedical Physics & Engineering Express (IoP), and Frontiers in Physics-Medical Physics and Imaging section. Served as Consultant to the International Commission on Radiation Units and Measurements (ICRU) Report 90 on “Key data for ionizing-radiation dosimetry: Measurements standards and applications” published in 2017, and as Committee Member of the ICRU Report 96 on “Dosimetry-Guided Radiopharmaceutical Therapy” published in 2022. Since 2010 serves as Scientific Advisor to the GEANT4-DNA collaboration which aims to extend the application of the GEANT4 Monte Carlo code of CERN to Medical Physics.

