

## Nikolaos Kourkouvelis

### Associate Professor of Medical Physics and Biophysics

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#### SHORT CV

Dr. Nikolaos Kourkouvelis is an Associate Professor of Medical Physics and Biophysics in the Department of Medical Physics at the Faculty of Medicine, University of Ioannina, Greece. He received a B.S. degree in Physics and a PhD degree in molecular spectroscopy from University of Ioannina. His research interests are in the areas of medical diagnostics with spectroscopic and x-ray methods, pharmacological biophysics with molecular modeling, and body composition assessment with stable isotopes. He has also invested research time in scientific software development. He has been the principal investigator on research programs funded by national agencies, the European Union, and International Atomic Energy Agency (IAEA). His publication record includes over 150 peer-reviewed papers with Hirsch index  $h=42$  per Google Scholar as of 12/2023. He has received various awards including the best poster award (International Center for Diffraction Data, ICDD, USA) (2013), a front cover image in the *Metallomics* journal (2012) and shortlisted for the UK Martin Black Award in Medical Physics (2013). He was the national Greek representative for the IAEA Technical Cooperation Project: "Assessment of body composition, including analysis of deuterium enrichment by Fourier Transform Infrared Spectrometer (FTIR) with Quality Assurance (QA)". He is a member of the HZB Scientific Selection Panel (Helmholtz-Zentrum Berlin), a member of the Society for Translational Medicine, serves on the editorial board of *Applied Sciences* (MDPI; Applied Biosciences and Bioengineering section), he is an Associate Editor of *SoftwareX* (Elsevier) and a member of Elsevier Publishing Advisory Panel. He has been the primary supervisor of 11 graduate students (1 postdoc, 4 PhD and 6 MSc students), and has also supervised 19 undergraduate senior essays. He was the chairman of the next International Conference on Clinical Spectroscopy (SPEC2024) which was held in 2024 in Ioannina, Greece. Finally, in 2023, he was honored with the title of Honorary Consultant by the Guangdong Society of Biomedical Engineering in China.