



CV – Nataša Todorović

Nataša Todorović is a Professor and Senior Scientist in Nuclear Physics, specializing in radioactivity measurement techniques with a strong technical background in alpha, beta, and gamma spectrometry. Over the years, she has played a pivotal role in advancing Liquid Scintillation Counting (LSC) methods, developing quantitative radioactivity analysis techniques for various sample matrices, including water (gross alpha/beta, radon, ^3H , ^{14}C , $^{90}\text{Sr}/^{90}\text{Y}$, ^{210}Pb), milk ($^{90}\text{Sr}/^{90}\text{Y}$), and biofuels (^{14}C). Her expertise extends to dosimetry and radiation protection, particularly in medical applications.

She serves as the National Contact Point (NCP) for Serbia in the Deep Underground Neutrino Experiment (DUNE) and is the Team Leader for the University of Novi Sad, Faculty of Sciences at CERN ProtoDUNE Neutrino Platform NP04, within the DUNE TPC Cold Electronics Consortium. Additionally, she is the Principal Investigator (PI) for UNSPMF in the HORIZON-CL6-2023-CIRCBIO-02 project, *FIC-FIGHTERS*, which focuses on the sustainable and circular valorization of phosphogypsum waste into commercial products.

Her work in international projects includes leadership roles in IAEA Technical Cooperation Projects, where she is the NCP for IAEA RER 7017 (Ensuring Water Availability in a Changing Climate, 2024–2027) and previously held the same role for IAEA RER 7013 (Evaluating Resources and Groundwater Surface-Water Interactions in the Context of Adapting to Climate Change, 2020–2023). Her expertise in radioactivity measurement is widely recognized, and she is a Technical Expert for ISO/IEC 17025 accreditation within the Accreditation Board of Serbia and the Croatian Accreditation Agency.

Dr. Todorović has held Guest Professor positions at the University of Salerno, Italy, in 2021, 2023, and 2024, under the university's *Calls for Visiting Professors* initiative. She also serves as Serbia's NCP for the EUTERP Foundation – *European Training and Education in Radiation Protection*.

As an esteemed scientist, dr. Todorović is affiliated with several professional organizations, including the International Society for Radiation Physics, the Serbian Physical Society, and the Society for Radiation Protection of Serbia and Montenegro. She has authored 127 peer-reviewed papers in CC journals, written three university textbooks (*Biophysics*, *Nuclear Analytical Techniques for Liquid Scintillation Counting*, *Basic Measurements in Physics*), and served as the editor of the monograph *Radionuclides: Properties, Behavior, and Potential Health Effects* (Nova Science Publishers, 2020). She has also contributed as a chapter editor for the *Handbook of Radioactivity Analysis, Volume 2: Radioanalytical Applications* (Academic Press) and co-authored sections in the *European Atlas of Natural Radiation* and *Naturally Occurring Radioactive Materials in Construction*.

Her contributions to the field of nuclear physics and radiation research are reflected in her SCOPUS citation count of 1,274 and h-index of 18 (April 17, 2025).