



PROFFESIONAL BIOGRAPHY

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Name:	Krasimir Krumov Mitev
Date of Birth, Birthplace.	03.06.1975, Pleven, Bulgaria
Address, telephone	Sofia, Mladost 1A, Bl. 553 e-mail: kmitev@phys.uni-sofia.bg
Family status	Married, has two children.
Current professional Status	Associate professor at the Faculty of Physics. Head of Department of Atomic Physics (since 2019). Founder and head of the Lab. "Metrology of ionizing radiation" at the Department of Atomic Physics, Faculty of Physics, Sofia University
Research IDs	ORCID: 0000-0002-0555-7575, Scopus Author ID: 20435824800 Google scholar: Krasimir Mitev, Github: https://github.com/KrasimirMitev ResearchGate: https://www.researchgate.net/profile/Krasimir-Mitev
Education	Sofia University "St. Kliment Ohridski", Faculty of Physics, MSc in Nuclear and Particle Physics, 2000r.
Scientific degrees, Honours/Titles/Qualifications	Universite "Paul Sabatier", Toulouse, France, PhD in Physics, 2005 r. Sofia University "St. Kliment Ohridski", Associate professor at Faculty of Phsyics, January 2013r.
Previous Experience	Sofia University "St. Kliment Ohridski", Faculty of Physics, Physicist, 2001-2004 Sofia University "St. Kliment Ohridski", Faculty of Physics, Assistant Professor, 2004- 2013 Sofia University "St. Kliment Ohridski", Faculty of Physics, Associate Professor, 2013- present
Major Fields of Scientific Research	Metrology of ionizing radiation, Radiation and Activity Measurements, Radioactive noble gas detection and measurement, Monte Carlo simulations of radiation transport, Numerical modeling, Dosimetry.
Languages	English (reading, writing, speaking); French (reading, speaking), Russian (reading)
International Experience	LNHB\ CEA SACLAY, 2014, 2015, 2017, 2019, 2021 – half month each. LNHB\DIMRI\CEA SACLAY , France 2002r. – one year; NUCLEAR ENERGY AGENCY\ OECD 11.2001- School "MC modelling with PENELOPE" LNHB\DAMRI\CEA SACLAY, France 11.2000r. - one month INTERNATIONAL CENTRE FOR THEORETICAL PHYSICS, Trieste, Italy 07.06.1999 – 09.07.1999, Summer school in particle physics
Awards and grants	Le prix de These de l'Ecole Doctorale GEET 2005., Toulouse, France.
Lectures in foreign research institutions	K. Mitev , Lecture in Korea Atomic Energy Research Institute (KAERI), "Recent works on radon detection and measurement by scintillation counting", 19.09.2019, Daejeon, Korea K. Mitev , Lecture in Istituto nazionale di fisica nucleare (INFN), Laboratori Nazionali di Legnaro (LNL): "Recent works on Monte Carlo

	<p><i>modeling of radiation detectors at the Lab. of Dosimetry and Radiation Protection, Sofia University "St. Kliment Ohridski", 21.11.2012 r.</i></p> <p>K. Mitev, Lecture in Istituto nazionale di fisica nucleare (INFN), Laboratori Nazionali di Legnaro (LNL): <i>"Monte Carlo simulations of large area beta sources"</i>, February, 2008 z.</p> <p>K. Mitev, Lecture in Istituto nazionale di fisica nucleare (INFN), Laboratori Nazionali di Legnaro (LNL): <i>"Numerical modeling of the processes in proportional counters used for absolute measurement of activity concentration of Krypton-85"</i>, February, 2007 r.</p>
<p>International scientific research projects</p> <p>National scientific research projects</p>	<p>Participant in MetroRADON project, Completed 2017-2021, funded by the by the European Metrology Programme for Innovation and Research (EMPIR), JRP-Contract 16ENV10 MetroRADON (www.euramet.org). The Sofia university team led successfully the work package 2 of the project.</p> <p>Participant in DoReMi project "Integrated Low Dose Research", completed December 2015., WP4, http://www.doremi-noe.net/irradiation_facilities.html</p> <p>Participant in PICs project "EXPERIMENTAL AND THEORETICAL INVESTIGATIONS OF THE NATURE OF THE NUCLEAR EXCITED STATES AT EXTREMES IN SPIN AND PROTON NUMBER", completed, 2009- 2011r.</p> <p>Project leader of „NOVEL RADIOACTIVITY MEASUREMENT TECHNIQUES BASED ON FAST TIMING, DIGITIZATION, COINCIDENCE AND CROSS-CORRELATION MEASUREMENTS (TDCX)", funded by the BNSF, ongoing, ending June 2023.</p> <p>Project leader of „ADVANCED POLYMER MATERIALS AND NEW RADON MEASUREMENT TECHNIQUES (POLYRAD)", Completed 2018, funded by the BNSF.</p> <p>Project leader of „NUMERICAL METHODS FOR IMPROVEMENT OF CANCER DIAGNOSIS AND MONITORING IN NUCLEAR IMAGING (NUMERICS)", Completed 2014, funded by the BNSF.</p> <p>Other older national and Sofia University funded projects.</p>
International research collaborations	<p>Laboratoire National Henri Becquerel (LNHB), CEA LIST, Saclay, France</p> <p>Laboratoire Capteurs et Architectures Électroniques (LCAE), CEA LIST, Saclay, France</p> <p>University of Barcelona, Dpt. Chemical Engineering and Analytical Chemistry, Barcelona, Spain</p> <p>UK Health Security Agency</p>
Publications	<p>K. Mitev has authored or co-authored: 3 chapters in monographies, 55 articles in international peer-reviewed journals, 31 full text papers published in proceedings of international conferences, 24 full text papers published in proceedings of national conferences and 9 abstracts and publications in other journals. He is a co-author of one patent application, submitted to the Institut National de la Propriete Industrielle, France</p>