

CURRICULUM VITAE

PERSONAL INFORMATION

Name	Strahil Boychev Georgiev
Address	SOFIA UNIVERSITY "ST KLIMENT OHRIDSKI", FACULTY OF PHYSICS 5 JAMES BOURCHIER BLVD. 1164 SOFIA, BULGARIA
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Nationality	Bulgarian
Date of birth	08.07.1980

WORK/TEACHING EXPERIENCE

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| • Dates (from-to) | 07.2022-present |
| • Name and address of employer | Sofia University "St Kliment Ohridski", Faculty of Physics, 5 James Bourchier Blvd., 1164 Sofia, Bulgaria |
| • Occupation or position held | Associate Professor |
| • Main activities and responsibilities | Scientific research in Nuclear Physics, Teaching: Lectures in "Experimental Nuclear Physics Methods in Medicine" and Laboratory classes in "Dosimetry and Radiation protection", "Experimental Nuclear Physics Methods in Medicine", "Environmental Radioactivity and Radioecology" Maintenance of laboratory equipment. |
| • Dates (from-to) | 06.2013- 07.2022 |
| • Name and address of employer | Sofia University "St Kliment Ohridski", Faculty of Physics, 5 James Bourchier Blvd., 1164 Sofia, Bulgaria |
| • Occupation or position held | Assistant Professor |
| • Main activities and responsibilities | Scientific research in Nuclear Physics, Teaching: Lectures in "Experimental Nuclear Physics Methods in Medicine" and Laboratory classes in "Dosimetry and Radiation protection", "Experimental Nuclear Physics Methods in Medicine", "Environmental Radioactivity and Radioecology", "Metrology of Ionizing Radiation", "Atomic and Nuclear Physics", "General Physics", "Geometrical Optics", Maintenance of laboratory equipment. |
| • Dates (from-to) | 12.2004- 06.2013 |
| • Name and address of employer | Sofia University "St Kliment Ohridski", Faculty of Physics, 5 James Bourchier Blvd., 1164 Sofia, Bulgaria |
| • Occupation or position held | Physicist |
| • Main activities and responsibilities | Participation in scientific research in Nuclear Physics, Support in the laboratory classes in "Experimental Nuclear Physics Methods in Medicine", "Environmental Radioactivity and Radioecology", Maintenance of laboratory equipment. |

EDUCATION AND TRAINING

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| • Dates (from-to) | 2007-2012 |
| • Name and type of organization | Sofia University "St Kliment Ohridski", Faculty of Physics |
| • Principal subjects | Studies on the migration of Radioactive Noble Gases(RNG), Modelling the transport of RNGs in polycarbonates, Metrology of Ionizing Radiation, Dosimetry and Radiation Protection |
| • Title of qualification awarded | PhD in Physics (Nuclear Physics) |

<ul style="list-style-type: none"> • Dates (from-to) • Name and type of organization • Principal subjects 	2003 - 2005 Sofia University "St Kliment Ohridski", Faculty of Physics Dosimetry and Radiation protection; Experimental Nuclear Physics Methods in Medicine; Environmental Radioactivity and Radioecology; Metrology of Ionizing Radiation; Clinical dosimetry; Experimental Biophysical Methods in Biology and Medicine; Optic and spectroscopic Methods in Medicine and Biophysics; Optometry and Optics of the Eye; Pathology of Biomembranes; Image Recognition in Medicine
<ul style="list-style-type: none"> • Title of qualification awarded 	MSc in Physics (Medical Physics)
<ul style="list-style-type: none"> • Dates (from-to) • Name and type of organization • Principal subjects 	1999 - 2003 Sofia University "St Kliment Ohridski", Faculty of Physics General Physics; Mathematical analysis; General and Partial Differential Equations; Atomic and Nuclear Physics; Basics of Electronics; Theoretical Physics; Radiation Biophysics and Radiation Protection; Roentgen and Radionuclide Diagnostics; Other courses related to the Medical Physics
<ul style="list-style-type: none"> • Title of qualification awarded 	BSc in Physics
<ul style="list-style-type: none"> • Dates (from-to) • Name and type of organization • Principal subjects 	1994 - 1999 Math High school "Geo Milev" Physics; Mathematic; Bulgarian; English; Russian; other general education classes in social and nature science, arts and sports
<ul style="list-style-type: none"> • Title of qualification awarded 	High school education

PROFESSIONAL CHARACTERISTICS

<ul style="list-style-type: none"> • Fields of Scientific Research (Keywords) 	Radioactive Noble Gases (RNGs): Radon, Thoron, Krypton, Xenon; Absorption of RNGs in Plastics incl. Plastic Scintillators; Measurement and Metrology of RNGs; Radon Detectors; Development of Passive and Active Radon Detectors; Pulse Shape Discrimination with Organic Scintillators; Environmental Radioactivity;
<ul style="list-style-type: none"> • Peer-reviewed papers 	46
<ul style="list-style-type: none"> • Citations (excl. self-citation) • h-index 	93 5

PROJECTS

2020-present, Member of the Research Team Project title: "Surveillance and Perusal of Indoor Radon Dynamics" (SPIRAD) Funded by: Bulgarian National Science Fund under contract KP-06-H48/3
2019-present, Member of the Research Team Project title: "Novel Radioactivity Measurement Techniques Based On Fast Timing, Digitization, Coincidence And Cross-Correlation Measurements" (TDCX) Funded by: Bulgarian National Science Fund under contract KP-06-H38/9
2017-2020, Member of the Research Team Project title: "Metrology for radon monitoring (MetroRADON) Funded by: EC Horizon 2020 under contract (EMPIR) JRP-Contract 16ENV10
2014-2017, Member of the Research Team Project title: "Advanced Polymer Materials And New Radon Measurement Techniques" (POLYRAD) Funded by: Bulgarian National Science Fund under contract DFNI-T02/13

2013-2015, Member of the Research Team

Project title: **“Low Dose Research towards Multidisciplinary Integration (DoReMi), Task 4.10: Laboratory infrastructure for retrospective radon and thoron dosimetry”**

Funded by: **EC-FP7 COOPERATION** under contract **FP7-No249689**

2010-2014, Member of Research Team

Project title: **“Numerical Methods For Improvement Of Cancer Diagnosis And Monitoring In Nuclear Imaging” (NUMERICS)**

Funded by: **Bulgarian National Science Fund** under contract **DDVU-02/42**

2011-2012, Member of Research Team

Project title: **“среда New Experimental Methods for Estimation of the Concentration of Radioactive Noble Gases in the Environment and Archeological Objects” (NEMO)**

Funded by: **Bulgarian National Science Fund** under contract **DMU-03/14**

2005-2009, Member of Research Team

Project title: **“Automatic laboratory system for precise retrospective measurements of radon indoors and radon in the environment”**

Funded by: **Bulgarian National Science Fund** under contract **VUF-08/05**

COLLABORATIONS

2015-present, *Laboratoire National Henri Becquerel (LNHB)*, Saclay, France

Studies on the absorption of radioactive noble gases in plastics; Studies on Radon transport through membranes; Research and development of scintillator-based detectors; Studies of the response and metrology assurance of continuous radon monitors; Collaboration in scientific projects

2015-2020, *Institut de Radioprotection et de Surete Nucleaire (IRSN)*, Saclay, France

Studies of passive and active radon detectors, including metrology assurance, study of the thoron sensitivity; Collaboration in scientific projects

2018-2022, *STUK – Radiation and Nuclear Safety Authority*, Helsinki, Finland

Studies of the thoron sensitivity of radon monitors; Collaboration in scientific projects

2018-present „UK Health Security Agency“ (former PHE - Public Health England), UK

Intercomparison on passive radon measurements, Common calibrations of passive radon detectors and active radon monitors; Collaboration in scientific projects

PERSONAL SKILLS AND COMPETENCIES

MOTHER LANGUAGE

Bulgarian

OTHER LANGUAGES

English - Excellent

Russian - Basic

SOCIAL SKILLS

Work in a team, Teaching skills