

STATEMENT

on the competition for the academic position “Associate Professor” in the professional field 4.1 Physical Sciences / Experimental Nuclear Physics / at the Faculty of Physics, Sofia University St. Kliment Ohridski announced in the State Gazette, issue 103/10.12.2022

Candidate:

Ch. Asst. Prof. Dr. Strahil Georgiev, Faculty of Physics, SU

Member of the Scientific Jury:

Prof. DSci. Georgi Rainovski, Faculty of Physics, SU

The only candidate for this competition is Dr. Strahil Georgiev. He has graduated from the Faculty of Physics at the University of Sofia in 2005 in the master program “Medical physics”. In 2012, he defended a dissertation for the scientific degree "Doctor" on the topic "Nuclear methods for studies of the migration of radioactive noble gases" with scientific supervisor Prof. DSci. Dobromir Preesyantov.

From 2004 to 2013 Strahil Georgiev was a physicist at the Faculty of Physics, Department of Atomic Physics. His academic career at Sofia University began in 2013, when he was appointed as an Assistant Professor at the Department of Atomic Physics. During all his academic years as a university teacher, the candidate had a full academic load. Over the years, and at present Assistant Professor Strahil Georgiev has lectured and/or conducted seminars on "Experimental methods of nuclear physics in medicine", "Radioactivity in the Environment and Radioecology", "Metrology of ionization radiation", "Atomic and nuclear physics", "Geometrical optics", "Physics", and others. The candidate was a scientific supervisor of 3 students who have successfully defended diploma theses. In general, the teaching activity of the applicant is intensive and extensive. On this indicator, Dr. Strahil Georgiev, is fully qualified for the academic position of Associate Professor.

The scientific interests and achievements of the candidate are in the field of experimental nuclear physics, more precisely in the field of techniques and methods for measuring radioactivity and their applications. The studies, in which the candidate has participated and some of them has led, include measurements of activities of noble gases by various methods and characterization of different novel detectors. These studies are essential for

precise determination of activities of radioactive noble gasses in the environment which is of importance for reducing health hazards.

Dr Strahil Georgiev presents for the competition 19 scientific works in the field of experimental nuclear physics, all of which are published in refereed, international scientific journals. Neither of these publications has been used by the candidate in competitions for the previous academic positions or in the doctoral thesis of the candidate. More importantly 6 of them have been published in the last three years. Five of the publications presented for the competition are in Q1 journals, 13 are in Q2 journals, and one is in a Q3 journal. In 6 of these publications the candidate is either first or corresponding author. Based on that I have concluded that he has an essential contribution in the presented studies. The total number of citations of all publications of Dr Strahil Georgiev is 170. The h-factor of the candidate is 5. The candidate has participated in several scientific project one of which was EU funded. In summary, the scientific activities of Dr Strahil Georgiev meet all expectations and requirements for the academic position of Associate Professor.

The foregoing and the attached reference for meeting the minimum national requirements allow me to conclude that the experience and scientific production of Dr. Strahil Georgiev fulfill the national requirements and the requirements of the Faculty Council of the Faculty of Physics for the occupation of the academic position "Associate Professor".

The applicant meets all the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the regulations thereto and the Rules of the Sofia University for the implementation of this law for the occupation of the academic position "Associate Professor". Therefore, I strongly recommend that the Faculty Council of the Faculty of Physics selects Dr. Strahil Georgiev for the academic position of Associate Professor.

13.04.2022
Sofia

/Prof. DSci Georgi Rainovski/