

## OPINION

by Assoc. Prof. Dr. Nikolay Vassilev Goutev

Institute for Nuclear Research and Nuclear Energy, Bulgarian Academy of Sciences,  
a member of the scientific jury for the competition for the position of Associate Professor of  
Chemical Sciences (Radiochemistry) (SG issue no. 103 of 10.12.2021), at the Faculty of Chemistry  
and Pharmacy of Sofia University "St. Kliment Ohridski"

The only candidate for the position of Associate Professor is the Chief Assistant Professor Dr. Boyan Rumenov Todorov from the Department of Analytical Chemistry at the Faculty of Chemistry and Pharmacy of Sofia University "St. Kliment Ohridski".

Boyan Todorov completed his higher education with a master degree in Chemistry (Inorganic and Analytical Chemistry) at the Faculty of Chemistry of Sofia University in 2001. After that he started working as a chemist at the Institute for Nuclear Research and Nuclear Energy of the Bulgarian Academy of Sciences (2002-2004). He became a PhD student in 2003 at the Faculty of Chemistry of Sofia University, supervised by Professor Romyana Djingova. In 2009 Boyan Todorov defended his thesis on "Determination and evaluation of the distribution of radionuclides ( $^{137}\text{Cs}$ ,  $^{60}\text{Co}$  and  $^{241}\text{Am}$ ) in the environment" obtaining a PhD Degree in the field of Chemistry. Since 2007, Todorov has been working at the Faculty of Chemistry and Pharmacy/Faculty of Chemistry of Sofia University, holding successively the positions of: Assistant Professor (2007-2008), Senior Assistant Professor (2008-2009) and Chief Assistant Professor (since 2010).

Dr. Todorov has had several short-term research visits to: the University of Luxembourg, Luxembourg; the Max Planck Institute for Polymer Research, Mainz, Germany; the University of Helsinki, Helsinki, Finland; the University of Barcelona, Barcelona, Spain.

Todorov applies for the position of associate professor with 18 (eighteen) publications in scientific journals and one chapter in a book. Eighteen of these publications are in journals with IF and SJR index, with the following distribution of the papers in the ranking quartiles: Q1 - 3 publications; Q2 - 6 publications; Q3 - 4 publications; Q4 - 5 publications. Todorov is the corresponding author of 5 (five) of the publications.

The independent citations of the works submitted for the competition are 41 (forty-one). The total number of citations of all the author's works at the time of applying for the academic position of Associate Professor is 67 (referenced and indexed in Scopus). The Hirsch index of Dr. Boyan Todorov is  $h = 5$ .

Dr. Todorov has had lecture courses, seminars and laboratory classes with the students majoring in Nuclear Chemistry on the following topics: "Measurement of ionizing radiation"; "Radioanalytical Chemistry"; "Production of radioactive isotopes and labeled compounds"; "Radioecology"; „X-ray and nuclear methods for analysis“; „Application of XRF analysis“; „Radioisotope methods in medicine“. The average teaching workload of the candidate for the last five years (2016 - 2021) is 643 hours / year.

During the period 2010 - 2019, Dr. Todorov was the supervisor of the diploma theses of 17 (seventeen) students from the master's degree programs in "Nuclear Chemistry" and "Radiochemistry Chemistry" and the bachelor's degree program in "Nuclear Chemistry" of the Faculty of Chemistry and Pharmacy.

The candidate has been the leader of one research project, funded by the Research Fund of the Ministry of Education and Science, and one research project, funded by the Research Fund of Sofia University "St. Kliment Ohridski". He has participated in the implementation of more than ten research projects.

The candidate meets the requirements for holding the academic position of Associate Professor according to the criteria of ZRASRB, PPZRASRB and the recommended criteria for acquiring scientific degrees and holding academic positions at Sofia University "St. Kliment Ohridski" in the field of Chemical Sciences (Radiochemistry).

The scientific achievements and the teaching activity of Dr. Todorov are in the field of: Radioecology; Radioanalytical Chemistry; Radiopharmaceutical Chemistry and X-ray Fluorescence Analysis. They correspond to the scientific field for which the academic position of Associate Professor has been opened at the Faculty of Chemistry and Pharmacy.

All this gives me a solid reason to recommend the appointment of Chief Assistant Professor Dr. Boyan Rumenov Todorov for Associate Professor in the Chemical Sciences (Radiochemistry) at the Faculty of Chemistry and Pharmacy of Sofia University "St. Kliment Ohridski".

March 28, 2022

Sofia

Signature:



(Assoc. Prof. Dr. Nikolay Goutev)