

БЪЛГАРСКА АКАДЕМИЯ НА НАУКИТЕ	
И-Т ПО ЕКСПЕРИМЕНТАЛНА МОРФОЛОГИЯ, ПАТОЛОГИЯ И АНТРОПОЛОГИЯ С МУЗЕЙ	
Вх. №	189
	22.04 20.21 г.
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SHORT REVIEW

On: Competition for the occupation of the academic position "Associate Professor" in the *Area of Higher Education* 4. Natural Sciences, Mathematics and Informatics, *Professional Field* 4.3. Biological sciences, *Scientific specialty* "Parasitology and Helminthology" (01.06.19), announced by IEMPAM – BAS, in the State Gazette, number 30/13.04.2021.

by Prof. Tsvetanka Tsankova Marinova, MD, PhD, DMSc, Faculty of Medicine of Sofia University "St. Kliment Ohridski"

Information on the competition procedure

The regulatory requirements for the competition procedure have been met.

The competition for the occupation of the academic position "Associate Professor" in the professional field 4.3. Biological sciences, scientific specialty "Parasitology and Helminthology" (01.06.19), is announced for the needs of the Experimental Parasitology Section in the Bulgarian Academy of Sciences, Institute of Experimental Morphology, Pathology and Anthropology with Museum (IEMPAM – BAS). The competition announcement was published in the State Gazette, number 30/13.04.2021. The composition of the Scientific Jury was determined by an Order of the Director of IEMPAM – BAS No. RD-09-29/21.05.2021 on the grounds of a decision of the Scientific Council of IEMPAM - BAS (Protocol No. 10/10.05.2021).

One candidate participates in the competition: Chief Assistant Ivelin Angelov Vladov, PhD.

The short review was prepared in accordance with the Law on Development of Academic Staff in the Republic of Bulgaria (LDASRB), the Rules for the Implementation of the LDASRB and the Rules for the Conditions and Procedure for Acquiring Scientific Degrees and Occupation of Academic Positions at IEMPAM – BAS.

The applicant's documents are in compliance with the regulative requirements for admission and participation in the competition for the occupation of the academic position

“Associate Professor” at IEMPAM – BAS. They are presented in sequence from No. 1 to No. 17 and include supporting evidence: Curriculum Vitae; Higher education diploma; Diploma for educational and scientific degree “Doctor”; Document for academic position “Chief Assistant”; Abstract of the dissertation for educational and scientific degree “Doctor”; Medical certificate certifying mental and physical health, as well as Certificate of criminal record certifying the absence of a imposed penalty "deprivation of the right to practice a certain profession or activity" - are not presented according to the regulations, due to the fact that currently Dr. Ivelin Vladov has an employment contract at IEMPAM – BAS; Certificate for work experience in the specialty; List of scientific publications (list of all publications and list of publications submitted for participation in the competition); Scientific papers submitted for participation in the competition; Reference of citations; List of participations in scientific forums; List of participations in scientific projects; Reference to original scientific contributions; Reference according to the form for meeting the national minimum requirements for holding the academic position "Associate Professor" in IEMPAM – BAS with evidence; Copy of the announcement in the State Gazette for academic position "Associate Professor"; Other documents and materials about the candidate's activity related to the competition.

Applicant's curriculum vitae and academic development

Chief Assistant Ivelin Angelov Vladov, PhD was born on February 27, 1983 in Shumen. He obtained a Master degree in specialty „Ecology and Environmental Protection” at the Faculty of Biology, Sofia University “St. Kliment Ohridski“ (Diploma Reg. No. M180043/07.03.2006). Ivelin Vladov was awarded the educational and scientific degree “Doctor” (PhD) in “Parasitology and Helminthology” in 2016 (Diploma No. 000808/16.11.2016, IEMPAM – BAS). Certificate with No 001098 for holding the academic position "Chief Assistant", Specialty "Parasitology and Helminthology" was issued on 19.06.2017 by BAS - IEMPAM. Ivelin Vladov has been working consecutively at IEPP and IEMPAM, BAS as assistant and chief assistant from 2008 until present (Experimental Parasitology Section, IEMPAM). During this period he performed various

types of organizational and expert activities at IEMPAM - BAS, participated in organizing committees of international and national scientific forums, and also completed 10 courses for additional qualification. Dr. Ivelin Vladov is a member of three scientific organizations.

Scientific research and scientometric data

Chief Assistant Ivelin Vladov is the author and co-author of published and reported scientific papers with indisputable scientifically applied and very significant contributory character. The applicant's scientometric data, evaluated in their wholeness, are in compliance with the criteria and indicators recommended in the regulations for evaluation by the Scientific Jury at conducting a competition for “Associate Professor”.

The scientific papers of Dr. Ivelin Angelov Vladov submitted for short review are from the area of higher education 4. Natural Sciences, Mathematics and Informatics, professional field 4.3. Biological sciences, Scientific specialty “Parasitology and Helminthology“ (01.06.19).

The dissertation work of Dr. Vladov for the awarding of the academic and educational degree “Doctor” entitled: “Molecular and Clinical Research in Parasites of the Genus *Eimeria spp.* on Experimental Model in Rabbits” (Sofia, 2016), scientific specialty “Parasitology and Helminthology“ (01.06.19).

The number of published scientific papers is 101 (5 of them are related to the PhD Dissertation): 20 of them being internationally referenced and indexed in the international databases *Scopus* and *Web of Science* of journals with IF. The number of reported scientific papers in international and national scientific forums is 119. Dr. Vladov has participated in 22 international and national research projects. According to the information provided in the database *Scopus* and *Web of Science*, 81 citations (more than 35 of them in international journals) of 18 scientific publications were found. The values of the IF from publications and summaries of Dr. Vladov are: total (overall) IF – 52.331, and individual (personal) IF – 6.724.

The most significant contributions from the scientific work of Ivelin Vladov are detailed in the enclosed documents of the competition “Author's reference to the contribution nature of scientific works“. The original results obtained by Dr. Vladov are in several scientific fields (parasitology, toxicology, molecular biology, biochemistry and ecology) and relate mainly to: Investigation of the influence of newly synthesized and natural chemical agents in experimental parasitic models *in vivo* and *in vitro*; Study of the pathogenetic mechanisms of the interaction between the parasite and the host; Complex application and optimization of classical and modern scientific methods and approaches (morphological, biochemical, molecular-biological, toxicological, morphometric and statistical methods) for parasitological research; Study of the influence and antiparasitic effect of some substances in various experimental models (genus *Eimeria*, genus *Trichinella*, genus *Fasciola*, genus *Haemonchus*), in order to apply them in the pharmaceutical industry; Study of the effects of salts of sodium and heavy metals (cobalt, cadmium and lead) on experimental *in vivo* models.

In general, Dr. Vladov's publications and the original scientific findings have fundamental, methodological and applied contributory character.

Chief Assistant Ivelin Angelov Vladov, PhD is registered in the Register of Scientific Activity at NACID. The comparative analysis of the minimum national requirements under Art. 2b of the Law on Higher Education in the field of higher education 4. Natural sciences, mathematics and informatics, professional field 4.3. Biological Sciences with the attached reference to the real points of the candidate shows that Ivelin Vladov meets the minimum national requirements for holding the academic position of "Associate Professor". The detailed analysis of the respective groups of indicators **A/A**, **B/Б**, **C/В**, **D/Г** and **E/Д** of Dr. Ivelin Vladov proves the following: Indicators **A** (50 points) and **C** (100 points) meet the national requirements. Indicator **D** is 402 points at a minimum value of 200 (220) points. Indicator **E** is 70 points at a minimum value of 50 (60) points. The total number of points of indicators **A**, **C**, **D** and **E** of Dr. Ivelin Vladov is 622 points with a minimum number as a national requirement for

the academic position "Associate Professor" – 400 (430) points. By indicators **D** and **E** the values of Dr. Ivelin Vladov exceed the minimum national requirements.

Conclusion

Chief Assistant Ivelin Angelov Vladov, PhD, participating in the competition for the academic position "Associate Professor" fully complies with the regulatory requirements of LDASRB and the Rules for the Conditions and Procedure for Acquiring Degrees and Occupation of Academic Positions at IEMPAM – BAS.



He is a hardworking, erudite and highly qualified specialist with significant scientific work and original contributions in the field of the parasitology and helminthology. Dr. Ivelin Vladov shows perseverance, discipline, competence and precision in all aspects of his scientific and expert activity.

In general, the original scientific results obtained by Chief Assistant Dr. Vladov have an indisputable fundamental and scientifically applied contribution. Dr. Vladov's scientometric data are not only in compliance with, but also exceed the national minimum requirements, the regulative criteria and indicators for the evaluation of the candidates in conducting a competition for the academic position "Associate Professor".

The complex evaluation of his documents and activity gives me a ground for positive opinion, therefore, with complete conviction, I propose to the honourable members of the Scientific Jury to decide on the election of Chief Assistant Ivelin Angelov Vladov, PhD for Associate Professor in professional field: 4.3. Biological Sciences, scientific specialty “Parasitology and Helminthology“ (01.06.19) and occupation of this academic position at the Section "Experimental Parasitology " of IEMPAM - BAS.

July, 15th 2021

Sofia

A member of the Scientific Jury:

(Prof. Ts. Marinova, MD, PhD, DMSc)