

БЪЛГАРСКА АКАДЕМИЯ НА НАУКИТЕ
И-Т ПО ЕКСПЕРИМЕНТАЛНА МОРФОЛОГИЯ,
ПАТОЛОГИЯ И АНТРОПОЛОГИЯ С МУЗЕЙ
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СОФИЯ

OPINION

By Prof. Svetozara Lyubomirova Petkova - Institute of Experimental Morphology, Pathology and Anthropology with Museum / IEMPAM / - BAS, member of the Scientific Jury, appointed by order RD-09 / 10.03.2021 of the Director of IEMPAM

Subject: competition for the academic position of "Associate Professor" in the professional field 6.4. Veterinary medicine, scientific specialty "Parasitology and invasive diseases of animals and humans" for the needs of the section "Experimental parasitology" announced in SG issue 10 / 05.02.2021.

The only candidate for participation in the competition is Assistant Professor Dr. Veselin Nanev Nanev, from the Section "Experimental Parasitology" at IEMPAM-BAS.

He presented the necessary documents for the competition, arranged and systematized precisely. They fully comply with the requirements of the Academic Staff Development Act and the Regulations for Academic Staff Development at IEMPAM-BAS. The materials are presented on paper and electronic media according to the requirements.

A detailed curriculum vitae is presented, which shows that the candidate in 2001 completed his higher education at the University of Forestry - Sofia. He has a master's degree in Veterinary Medicine. In 2014 he successfully defended his dissertation on "Studies of the etiology, epidemiology and pathogenesis of hemonhosis in small ruminants" and acquired PhD. He has 20 years of work experience in the system of the Bulgarian Academy of Sciences and works in the field of parasitology, biochemistry and ecology.

In this competition Dr. Nanev participates with 77 publications that cover the required points on indicators from A to D. For each scientific indicator the candidate's points exceed the minimum legal requirements.

Dr. Nanev has participated in a total of 13 research projects / 6 at the NSF, 3 with foreign funding, and 4 under the EBR /. The projects show the opportunity for teamwork of Dr. Nanev and the successful collaboration with research teams at home and abroad. The topics of the projects are parasitological and the work on them shows Nanev's skills to handle classical and modern parasitological, morphological, biochemical and mathematical methods.

The scientific contributions of Assistant Professor Nanev are in the field of parasitology, biochemistry, ecology and elementology and his research is developing in 6 areas. I will mark the main directions in the work of Dr. Nanev:

- ✓ The pathogenetic mechanisms of the parasite-host system interaction have been mainly studied through comparative biochemical and elementological studies.

- ✓ In a comparative aspect, the microelement status of the helminth-host system in helminths with different taxonomic affiliation is analyzed.
- ✓ The effect of new metal compounds, sources of nutrients in order to normalize homeostasis, antioxidant and mineral balance of the host has been experimentally tested.
- ✓ The oxidant-antioxidant status between hosts and parasites with different taxonomic affiliation was studied.
- ✓ The parasite-host system is applied as a bioindicator for heavy metal pollution of the environment.
- ✓ A complex approach of biochemical, morphological, hematological and elementological studies in vivo model in rabbits and rats for testing new compounds as bone substitutes with application in medicine and dentistry has been developed.

The overall scientific-experimental and research work of Dr. Nanev is in the field of parasitology of practical importance and the results obtained are of a contributing nature and can be applied in practice. He has won awards and diplomas from various scientific forums. I will note that Dr. Nanev is also charged with administrative responsibility - as responsible for the registration in NACID-MES of colleagues from IEMPAM.

Conclusion:

The documents submitted at the competition fully meet the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria and the Regulations on the terms and conditions for obtaining scientific degrees and holding academic positions at IEMPAM - BAS. Based on the above, I confidently give my positive assessment for the award of the academic position of " Associate Professor" to Dr. Veselin Nanev and I strongly believe the respected members of the Scientific Jury to support the positive vote.

20.05.2021

