

OPINION STATEMENT

by Prof. Dr. IVAN MAZNEV, PhD

Regarding: Competition for the academic position of "ASSOCIATE PROFESSOR" in professional field 7.6. Sport, specialty "Biomechanics", announced in the State Gazette, issue 93 of 22.11.2022 for the needs of the Department of Anatomy and Biomechanics at the National Sports Academy "Vassil Levski".

One candidate was admitted to participate in the competition - Chief assistant professor Ivan Mirchev Ivanov, doctor. The procedure is in accordance with the Law on Academic Staff Development in the Republic of Bulgaria (LASDRB) and the Regulations for its application and is in accordance with the requirements of the NSA "V. Levski".

Chief assistant Ivan Ivanov graduated from Sofia University "St. Kliment Ohridski", Sofia in 2001 with a diploma in "Engineering Physics", and later obtained a master's degree from the Academy of Sciences with a qualification "Engineer-physicist". In 2009, he obtained a doctorate from the Bulgarian Academy of Sciences in the scientific specialty "Biomechanics". The topic of his dissertation work is "Rheological and electrical properties of blood and their modeling". From 2006 he worked at the Institute of Mechanics at the Bulgarian Academy of Sciences, and from 2009 he held the academic position of "chief assistant" at the same institute. Since 2014, he has been appointed to the academic position of "chief assistant" at the National Sports Academy "Vassil Levski", department "Anatomy and Biomechanics".

I. General characteristics of scientific activity.

Chief assistant Ivan Ivanov participates in the competition with 27 scientific works - 1 monograph and 26 scientific articles. Of the total number of the articles 13 are in English and published in scientific journals indexed in Web of science and Scopus.

The candidate presents 62 citations, of which 23 are in journals indexed in world databases (Scopus and Web of science).

Chief assistant Ivanov has taken part in six scientific and one educational project. He is the manager of two of the scientific projects. Two of the scientific projects are international and four are at the national level.

The scientometric indicators of the candidate are as follows:

Group A ¹ (dissertation work ESD „Doctor“)	50 p.
Group B (monograph)	100 p.
Group Γ	396 p.
of which in group Γ – 7	216,5 p.
Group Д	695 p.
Group E	165 p.

The presented materials meet the national scientometric requirements and the requirements of the NSA "V. Levski".

II. Contributions from scientific work.

The contributions in the scientific works of chief assistant Ivanov are of scientific and applied importance. They are in different directions.

The most significant contributions are related to the study of the rheological and electrical properties of blood and blood coagulum. It has been found that by measuring the specific electrical conductivity, the kinetics of coagulation can be evaluated, and also that various physical and chemical factors (temperature, nanoparticles, Dextran, PEG, NaNO₂) affect this relationship. From a practical point of view, the study of some hematological indicators can provide objective information regarding nitrate intoxication.

¹ The capital letters designating the groups are in Cyrillic

Other contributions of significant scientific and applied importance are in the field of sports:

- A relationship was established between the shooter's balance stability and the results achieved when shooting with a pneumatic pistol. This can help to select the most suitable individual shooting position.
- The relationship between hemorheological indicators and physical loads of different nature was studied. These studies can contribute to the optimization of training programs.
- The influence of isometric stretching on intra-articular spatial characteristics of the knee joint has been established.

III. Educational and pedagogical activity.

Chief assistant professor Ivan Ivanov has nearly ten years of teaching experience. He teaches students at the educational and qualification degree Bachelor and EQD Master. His teaching workload is above the determined in the National Sports Academy "V. Levski" standard during the previous three years.

Conclusion.

The presented documents and materials by chief assistant Ivan Ivanov meet the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for the Implementation of the LDASRB and the scientometric criteria and requirements of the National Sports Academy "V. Levski".

The number and quality of the scientific works prepared after acquiring the academic position of "chief assistant" and the candidate's teaching experience give me reason to propose chief assistant Ivan Ivanov, doctor, to be elected to the academic position of "associate professor" in professional field 7.6. Sport, specialty "Biomechanics", for the needs of the "Anatomy and Biomechanics" department at the "Pedagogy" faculty at the National Sports Academy "V. Levski".

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Statement's author:

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Prof. Dr. Ivan Maznev, PhD