

STANDPOINT

by competition for the academic position "**Associate Professor**"
professional field **5.2 "Electrical engineering, electronics, automation"**,
scientific specialty "**Biomedical engineering and technologies**",
department of "**Medical equipment, electronic and information technologies in healthcare**"

at the Faculty of Public Health in Medical University "Prof. Dr. Paraskev Stoyanov" - Varna,

Announced in the State Newspaper, issue № 15/ 21.02.2025 year.

with a candidate: chief assistant professor PhD, eng Nikolay Tinkov Dukov

Chairman of the Scientific Jury: professor, Phd. eng. Margreta Vasileva, on the basis of an order P-109-199/16.04.2025 year. of the Rector of MU-Varna

1. General characteristics of the candidate's research and scientific-applied activity.

The only candidate in the competition, chief assistant professor PhD, eng Nikolay Tinkov Dukov, is a teacher in the Department of "Medical equipment, electronic and information technologies in healthcare" at the Faculty of Public Health in Medical University "Prof. Dr. Paraskev Stoyanov" - Varna.

In the competition, chief assistant professor PhD, eng Nikolay Tinkov Dukov participated with 29 scientific articles.

Indicator	Scientific works	Number
A.1.	Dissertation for the award of the Educational Scientific Degree "PhD"	1
V.4	Habilitation thesis - scientific publications (not less than 10) in publications that are referenced and indexed in world-renowned databases with scientific information	11
G.7	Scientific publication in publications that are referenced and indexed in world-renowned scientific information databases	18

In the publications from indicator **V.4**, which are 11, in four of them the candidate is in first place, in three he is in second place, in one he is in third place, in the remaining three he is in fourth place. A total of 108.48 points with a minimum of 100 points required.

In the publications from indicator **G.7**, which are 18, in one of them the candidate is an independent author, in five of them he is in first place, in four of them he is in second place, in seven he is in third place and in one his in fourth place. According to Indicator **G.7**, the candidate collects a total of 204.37 points with a minimum of 200 points required.

In addition to the documents, beyond the minimum scientometric requirements, 4 more publications in scientific journals and collections have been submitted, representing 48.33 points.

As proof of the fulfillment of the minimum national requirements under the group of indicators "D", PhD. Dukov presents a list of 5 citations of 1 article, collecting 50 points and 2 of citations of another article, collecting another 20 points, with a minimum of 50 points required.

The scientific and applied activity of the candidate PhD. Dukov is presented and confirmed by his participation in 13 national and 2 international scientific and research projects in the period 2014-2025.

Information is presented, according to the attached reference for international and national certificates and attestations related to the candidate's scientific and applied research activities.

From the presented materials, it is clear that the minimum national requirements for the academic position "associate professor" have been met.

2. Assessment of the candidate's pedagogical training and activity.

Dr. Eng. Nikolay Dukov has over 11 years of teaching experience as a lecturer in the Department of "Electronics and Microelectronics" and an assistant professor in the Department of "Computer Science and Technology" at the Technical University - Varna and as an assistant and chief assistant professor in the Department of "Medical Equipment, Electronic and Information Technologies in Healthcare" at the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna.

He teaches in the disciplines "Programming", "Medical Electronics", "Computer Processing of Medical Signals and Images", "3D Printing in Medicine".

I believe that the pedagogical training and activity of Dr. Nikolay Dukov fully meets the requirements for holding the academic position of "Associate Professor".

3. Basic scientific and scientific-applied contributions.

Dr. Eng. Nikolay Dukov has summarized his scientific and research activities in 4 thematic areas. They list in detail his contributions, which are divided into scientific (total 12), scientific and applied (total 4) and applied (total 4) contributions. The indicated contributions are in the works of both groups V.4 and G.7. It is important to note that the majority are in the field of improving imaging diagnostics, and also specifically in the field of modeling mammary gland lesions.

From the presented summaries of the publications, it can be concluded that in the overwhelming majority the contributions are correctly divided and indicated.

4. Significance of contributions to science and practice.

The contributions shown by the candidate Dr. Dukov are clearly formulated and classified in the 29 scientific articles and reports presented by him, which have been presented at international and refereed scientific forums. They are up-to-date and enrich the knowledge in the field of the scientific specialty. Therefore, I give a very good assessment of their significance for science and practice.

5. Critical notes and recommendations.

I do not have any significant criticisms of the candidate.

CONCLUSION

From the presented materials, it follows that the normative requirements of the Law on the development of the academic staff in the Republic of Bulgaria, the Regulations for the terms and conditions for occupying academic positions in MU-Varna for the occupation of the academic position "Associate Professor" have been fulfilled.

Based on the acquaintance with the presented scientific works, their importance and the scientific-applied and applied contributions contained in them, I find it reasonable to propose PhD. Nikolay Tinkov Dukov to occupy the academic position "Associate Professor" in the professional direction 5.2 "Electrical Engineering, Electronics, Automation", scientific specialty "Biomedical Equipment and Technologies".

02.06.2025

Varna

Report prepared by:.....
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