

REVIEW

from

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Appointed as a member of the scientific jury by order no P – 109-90/21.03.2024 yrs .
on Rector of Medical University "Prof. Dr. Paraskev Stoyanov" - Varna

REGARDING : Competition for the academic position " **PROFESSOR** " in
area of higher education 7. Health care and sports, professional
direction 7.4. Public Health, major "Management of public health"
for the needs of the Education sector "Medical Laboratory
Assistant" in Medical College at Medical university "prof. Dr.
Paraskev Stoyanov" - Varna, announced in Darzhaven vestnik no.
7/23/01/2024.

Only one candidate took part in the announced competition for the academic
position of "professor" in the scientific specialty "Public Health Management" -
Associate Professor Emilia Petrova Georgieva, Ph.D.

Brief biographical data : Associate Professor Emilia Georgieva graduated from
the Training sector "Medical Laboratory Technician" with a "professional bachelor's
degree" at the Medical College of the Medical University "prof. Dr. Paraskev
Stoyanov" - Varna in 1995. In 2008, she acquired the specialty "Health Care
Management", OKS "Bachelor" at the same university. She completed a master's
degree in the same specialty at the above-mentioned university in 2013, and since 2010
he has acquired the master's degree. in "Episkop Konstantin Preslavski" University of
Shumen. She started working in 1995 as a medical laboratory assistant at the "Sveta
Marina" UMBAL - Varna, and from 2008 to 2012 she worked as a medical
representative of laboratory equipment, consumables and reagents for scientific

activity at "Sofbiolife" Ltd., Sofia. Since 2012, she has been a professor at "Prof. Dr. Stoyanov" Medical University, and since 2021, she has been an "Associate Professor" until today, she is Deputy College Director, "Career Development, Quality and Accreditation" at the Medical College at the Medical University "Prof. Dr. P. Stoyanov" - Varna. She obtained the educational and scientific degree "doctor" in the scientific specialty "Public Health Management" in 2016 at the Medical University - Varna. In 2023 she specialized in Turin, Italy - "Good practices in working with bio-laboratory technologies".

Associate Professor Emilia Georgieva, Ph.D. meets the minimum national requirements for a professional direction 7.4. Public health, according to the Regulations for the development of the academic staff of the Medical University - Varna. She presented a dissertation work for the acquisition of the educational and scientific degree "doctor" (50 points) according to criterion A and a monographic work (100 points) according to criterion C. She published 23 articles in non-refereed journals, 1 chapter of a collective monograph (total no. points 199.06 points) and 11 articles in refereed and indexed journals (150 points). She presented 5 citations in refereed and indexed journals, 1 citation - in a monograph and collective volume with scientific review and 3 citations in non-refereed journals with scientific review (with a total number of 100 items) according to criterion D. She is the supervisor of 2 successfully defended doctoral students, is a member of a national scientific project, is a co-author of a published textbook, has the 3rd published study aids and participates in the training of interns, specialists and doctoral students (with a total number of 179.41 points according to criterion E, of which 80 according to indicator E14). Two publications above the minimum national requirements in refereed journals of Scopus and Wos with a total number of 25.71 items and IF 3.197 were also presented.

Publication activity. Associate Professor Emilia Georgieva participated in the competition with **39** scientific works - **1** dissertation, **1** habilitation thesis, **1** book chapter and **36** publications. Of them in scientific journals and collections there are **11** in Bulgarian and **25** - in foreign editions ("*Journal of IMAB*", "*Acta Scientifica*

Naturalis", *"Farmacia"* and *"Biotechnology&Biotechnological Equipment"*). Thirteen of the publications are in refereed and indexed scientific publications. She is the independent or first author of **13** (33%) of the publications.

Citations. Associate Professor Emilia Georgieva has attached a search for **9** citations in Bulgarian and international scientific databases.

Scientific contributions. The main scientific contributions of Associate Professor E. Georgieva are aimed at improving access to laboratory services for the population through new methods and approaches for the diagnosis of various diseases. A focus of her work is the development of new approaches to the introduction of home-based laboratory tests to improve result timeliness and increase public satisfaction with laboratory testing.

With a significant scientific-theoretical and applied contribution are the studies on *the introduction of innovative technological solutions to improve the time and access to medical-laboratory services* (A1; D8.2; D8.6; D8.11; D8.13 and D8.14). The quality of the medical-laboratory services and their maintenance through new standards was examined . The need for complex management of all types of related activities in the diagnostic process is confirmed. The benefits of the introduction and application of new methods and ROST tests (point-of-care testing) in laboratory diagnostics have been clarified.

With a scientific and theoretical contribution are the studies on *the role of the medical laboratory assistant, as part of the interdisciplinary team during the diagnostic and treatment process* (D7.10 and D8.1; D8.4; D8.5; D8.7; D8.10; D8.16 and D8.18). The role of the medical laboratory assistant in the interdisciplinary team, both in our country and in Europe, was studied, as well as the specific tasks, ethics and professional responsibility that he must observe. Numerous regulations and legal restrictions arising from the specifics of health systems, which make the labor market of health professionals accessible only to participants with high professional qualifications, have been clarified .

With a scientific and applied contribution are the studies on *laboratory diagnostics as part of an integrated approach in the diagnosis and control of chronic*

diseases (B3, D8.3; D8.9; D8.12; D8.13; D8.15; D8.17 and D8.22). The necessity of creating integrated teams caring for the health of chronically polymorbid patients is shown, as well as demonstration methods for the method/algorithm of preparing, placing and measuring necessary laboratory indicators or medicinal forms, which will increase the possibilities of perceiving new information from sick.

Assoc. Prof. Georgieva has a number of contributions (independently or in co-authorship) of a scientific-applied nature, relating to the study of *the antimicrobial effect of natural products (essential oils) alone and in combination with established antibacterial dosage forms* (G7.1; G7.2; D7.4; D7.6; and E-2). Their positive effect in therapeutic practice, alone or with other antimicrobial agents, has been proven.

Several publications are devoted to *new approaches in the fight against antimicrobial drug resistance* (D7.7; D7.8; D7.9 and D8.19; D8.20; D8.21). The main aspects in the implementation of antimicrobial drug resistance are considered. Unnecessary and prolonged use of antimicrobials has been shown to adversely affect patient outcomes, and inappropriate antibiotic therapy increases antibiotic resistance.

Pedagogical activity and personnel training. Assoc. Prof. Georgieva has had a continuous pedagogical activity since 2012 as a teacher of students in: "Trends in laboratory diagnostics - POCT", "Clinical laboratory"; training practice in "Clinical Laboratory" and "Microbiology". He participated as a member or chairman of various examination committees.

She participated as a research team member in one completed project, a member in one ongoing project, and a leader in one ongoing project. She has participated in over 48 national and international scientific forums.

Membership in national and international scientific and professional organizations. Associate Professor Emilia Georgieva is a member of the National Anti-Doping Center, the Bulgarian Association of Health Care Professionals, the Bulgarian Scientific Society for Public Health and the National Association for Prevention and Therapeutic Training.

Conclusion. The candidate in the competition Assoc. Prof. Emilia Petrova Georgieva, Ph.D. covers the criteria and indicators for occupying the academic position of "professor" in the specialty "Public Health Management", determined by the Regulations for the Development of the Academic Staff of the Medical University - Varna. She is an established specialist, holds an educational and scientific degree "doctor", has solid teaching and scientific-organizational experience.

Based on the presentation, I strongly suggest to the respected Scientific Jury to vote positively for Assoc. Prof. EMILIA PETROVA GEORGIEVA, Ph.D. to occupy the academic position of "PROFESSOR" by professional direction 7.4. "Public Health" and specialty "Public Health Management" announced by the Medical University "Prof. Dr. Paraskev Stoyanov", competition in Darzhaven vestnik no. 7/23/01/2024

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PREPARED THE REVIEW:

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