

STATEMENT OF OPINION

By Assoc. Prof. Mila Georgieva, Ph.D.

Department of Economics and Management of Healthcare, Faculty of Public Health, Medical University - Varna, member of the scientific jury, determined by Order 109-173/ 23.04.2021 of the Rector of the Medical University – Varna

Regarding: Competition for the academic position of "Professor" in the field of higher education "3. Social, economic and legal sciences ", professional field 3.7. Administration and Management", specialty "Organization and Management outside the sphere of Material Production ", announced in State Gazette No. 17/ 26.02.2021 for the needs of the teaching sector "Assistant Pharmacist" at the Medical College - Varna.

1. Admissibility

An application for participation in the competition has been submitted by only one candidate - Assoc. Prof. Antoaneta Zdravkova Tsvetkova, Ph.D. The presented set of documents of the candidate is in accordance with the requirements of the Law for development of the academic staff in Bulgaria, the Regulations for application of the Law for development of the academic staff in Bulgaria, the Regulations for development of the academic staff of Medical University - Varna and the announced conditions of the competition in State Gazette.

2. Education

Assoc. Prof. Antoaneta Tsvetkova, Ph.D. was born in 1971 in the town of Shumen. Her path in the higher education system began in 1990 and by 2021 she has successively obtained several bachelor's and master's degrees in pharmacy, health management and health technology assessment, as follows:

- 1992 Professional bachelor's degree "Assistant Pharmacist", Medical College - Varna;
- 2007 Bachelor of Health Management, Medical University - Varna;
- 2008 Master of Science in Health Management, Medical University - Varna;
- 2021 Master's degree "Expert in Health Technology Assessment", professional field "Pharmacy", Faculty of Pharmacy at the Medical University - Sofia.

Alongside, during the same period she successfully defended her dissertation on "Social and pharmaco-economic aspects of the use of over-the-counter drugs" in 2015, through which she obtained the educational and scientific degree "Doctor" in the specialty "Organization and management outside the sphere of material production '.

In 2016 she successfully acquired the specialty "Health Economics" (according to Ordinance №1 of 2015 on the acquisition of a specialty in the health care system in Bulgaria).

Assoc. Prof. Tsvetkova builds on the acquired knowledge through numerous additional qualifications, courses and trainings in the field of drug policy, hospital pharmacy, assessment of health technologies, statistical analysis and others, some of which are presented below:

- 2012 - training in "European Pharmaceutical Legislation and Market", Faculty of Pharmacy, Medical University - Sofia;
- 2013 - training in "Pharmacoeconomics and Clinical Epidemiology with Biostatistics" for regulatory institutions and members of ISPOR, Faculty of Pharmacy, Medical University - Sofia;
- 2014 - training in "Contemporary aspects of pharmaceutical marketing", Faculty of Pharmacy, Medical University - Sofia;
- 2014 - training in "Fundamentals of Academic Teaching", Medical University - Varna;
- 2015 - training in "Pricing and Reimbursement", Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter), Bulgarian Scientific Society of Pharmacy, Sofia;
- 2015 - training in "Health Technology Assessment", Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter), Bulgarian Scientific Society of Pharmacy, Sofia;
- 2018 - training in "Medical devices - challenges in legislation and technology assessment", Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter), Bulgarian Scientific Society of Pharmacy, Sofia;

- 2019 г. – обучение по **„Hospital pharmacy and pharmacoeconomics”**, Българска асоциация по фармакоикономика (ISPOR Bulgarian Chapter), Българско научно дружество по фармация, София;
- 2019 г. - обучение по **„Big data – извличане на информация и анализи”**, Българска асоциация по фармакоикономика (ISPOR Bulgarian Chapter), Българско научно дружество по фармация, София;
- 2019 г. – обучение по **„Европейски програми в ОЗТ и реимбурсна политика”**, Българска асоциация по фармакоикономика (ISPOR Bulgarian Chapter), Българско научно дружество по фармация, София.
- 2019 - training in "Hospital pharmacy and pharmacoeconomics", Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter), Bulgarian Scientific Society of Pharmacy, Sofia;
- 2019 - training on "Big data - information retrieval and analysis", Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter), Bulgarian Scientific Society of Pharmacy, Sofia;
- 2019 - training on "European programs in Health Technology Assessment and reimbursement policy", Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter), Bulgarian Scientific Society of Pharmacy, Sofia.

She speaks English and Russian, which helps in her career over the years, as well as in her teaching and research activities.

3. Career development

Assoc. Prof. Tsvetkova's professional path begins with the practice in the field of pharmaceutical management and includes the application of the acquired knowledge consistently in various pharmacy structures - hospital pharmacy, open pharmacy, pharmacy warehouse. Thus, she gained the necessary experience, knowledge and skills in the field of social pharmacy and economics in the pharmaceutical sector (wholesale and retail of medicines, food supplements and medical devices), extremely necessary for teaching in the structures of MU-Varna, referred to in this competition. In particular, the work experience of Assoc. Prof. Tsvetkova in this field includes:

- 1996 - 1998 Naval Hospital - Varna - hospital pharmacy;
- 1998 - 2000 Pharmacy warehouse "Sanita Trading" - Varna - hospital dealer and logistics of Bulgarian market;
- 2000 - 2005 Herba Pharmacy - open type pharmacy.

The academic career of the candidate began in 2010 when she was invited as a part-time lecturer at the teaching sector "Assistant Pharmacist" of the Medical College - Varna. In 2011 after successful presentation of the announced competition she was appointed to the academic position "Assistant" at the Medical College - Varna. In 2015 she held the academic position of "Associate Professor" in the specialty "Organization and management outside the field of material production." As a result of her active work she grew to the position of head of the teaching sector "Assistant Pharmacist" at the Medical College - Varna, and from June 2020 she was appointed as a director of the Medical College - Varna, which position she currently holds.

The expert activity in the field of public health management of the candidate has been going on for years and deserves special attention. The accumulated knowledge and experience are reflected in the work at national level and membership in the working committees of the National Center for Public Health and Analysis - Sofia (NCPHA) in relation with the activities of health technology assessment for the period 2017-2019. Thanks to her specific expertise Assoc. Prof. Tsvetkova works actively and at the regional level in the permanent and temporary commissions of the Municipality of Varna and in particular:

- Standing Committee on Healthcare;
- Standing Committee on Youth Activities and Sports;
- Standing Committee on Science and Education;
- Temporary Commission "Protection and Reproduction of the Environment";
- Advisory Council on HIV/ AIDS Prevention, formed in accordance with the adopted "Municipal Strategy for HIV/ AIDS Prevention 2016 - 2020";
- General Meeting of Shareholders of MHAT "St. Anna - Varna" AD - as a representative of the Municipality of Varna.

4. Research and teaching activities

The specific professional and scientific interests of Assoc. Prof. Tsvetkova find expression in the diverse scientific production. Her main professional and scientific interests are in the field of pharmacoconomics, health technology assessment, pharmaceutical marketing, pharmaceutical market logistics, public health.

Part of its total production is presented for participation in this competition, and there is the following distribution, according to the scientometric requirements for holding the academic position "Professor" at the Medical University - Varna:

INDICATORS A, B, C:

Scientific production of the candidate:

- **Indicator A1.** Dissertation thesis for the acquisition of educational and scientific degree "Doctor of philosophy" – 1
- **Indicator B3.** Habilitation work - monograph - 1
- **Indicator C5.** Published book based on a defended dissertation for the award of educational and scientific degree "Doctor of philosophy" - 1
- **Indicator C6.** Articles and reports published in scientific journals, referenced and indexed in world-famous databases with scientific information - 5
- **Indicator C7.** Articles and reports published in unrefereed journals with scientific review or published in edited collective volumes - 10

Total number of points on the indicators: 205.33, required 200 points.

Additional publications (beyond those required by the regulations of MU-Varna): Full-text publications in scientific journals and collections, outside the minimum scientometric requirements for acquiring the academic position "Professor" - 4. (in three is the first author in one is a co-author).

INDICATOR D:

Quotations reflecting the scientific activity of the candidate:

- **Indicator D1.** Citations or reviews in scientific journals, referenced and indexed in world-famous databases with scientific information or in monographs and collective volumes – 8 in total. Total number of points on the indicator D: 120 points, required 100 points.

INDICATOR E:

- **Indicator E15.** Supervision of successfully defended doctoral student - 1. (Note! At the moment Assoc. Prof. Tsvetkova is the research supervisor of Stanislava Georgieva - PhD student in the doctoral program "Toxicology" in full-time education at the Department of Pharmacology, Toxicology and Pharmacotherapy, Faculty of Pharmacy)
- **Indicator E16.** Participation in a national scientific or educational project - 2.
- **Indicator E17.** Participation in an international scientific or educational project - 4.
- **Indicator E18.** Management of a national scientific or educational project - 2.

- **Indicator E20.** Published university textbook - 3.

Total number of points of the indicator E: 208.91, required 100 points (according to the conditions of the competition the requirement for 80 points on indicator E15 does not apply)

The candidate has over **30 participations in national and international scientific forums with full-text reports**, 22 of them in Bulgaria and 8 - abroad. She is a member of the organizing committee of the annual scientific conference of the Medical College - Varna.

Her scientific online profiles are active and up-to-date. They are as follows: **Google Scholar, Research Gate, ORCID; PUBLONS.**

Assoc. Prof. Tsvetkova is also a **member of a number of Bulgarian and foreign scientific societies** in the field of pharmacoeconomics and public health management and in particular:

- WHO European Partnership Network "Regions for Health";
- Bulgarian Scientific Society of Public Health (BND0Z);
- Bulgarian Association of Pharmacoeconomics (ISPOR Bulgarian Chapter);
- Bulgarian Association of Sleep Apnea and Snoring;
- Bulgarian Academy of Sleep Medicine;
- International Black Sea Otology and Neurotology Association.

The teaching activity of Assoc. Prof. Tsvetkova's includes lectures and exercises in the following disciplines: "Pharmacoeconomics", "Applied aspects of economic theory in the health and pharmaceutical sector", "Organization of work and care for over-the-counter drugs", "Social pharmacy and pharmaceutical legislation" in the specialties of MU-Varna and MC-Varna. The total teaching experience under an employment contract with MU-Varna is 9 years and 6 months, and under a civil contract for a part-time teacher - 9 months (during the academic year 2010/2011). Thus, her total teaching experience is 10 years and 3 months.

Assoc. Prof. Tsvetkova carries out coordination between employers and students related to their practical training and their subsequent professional realization. She participates in state examination commissions in the specialty "Health Economics" and successfully provides scientific guidance to graduates.

With her rich practical, administrative and teaching experience and expertise she also participates as an **academic mentor** in Project BG051PO001-3.3.07-0002 "Student Internships", operational program "Human Resources Development", co-financed by the European Social Fund of the European Union.

7. Conclusion

The materials presented by Assoc. Prof. Dr. Antoaneta Tsvetkova correspond to the profile of the announced competition, both from a research and teaching point of view. The achievements of the candidate fully meet, and in some respects exceed the requirements of the Law for the development of the academic staff in Bulgaria, the Regulations for its

implementation, the Regulations for the development of the academic staff of the Medical University - Varna and the terms of the competition.

Having in mind the type and volume of the presented author's production of the candidate and her scientific, teaching and expert activity in the thematic area of the competition, I recommend the esteemed jury to propose to the Rector of Medical University - Varna Assoc. Prof. Antoaneta Tsvetkova, Ph.D. for taking the academic position "Professor" in the field of higher education "3. Social and legal sciences", professional field "3.7. Administration and Management", specialty "Organization and management outside the field of material production" in the teaching sector "Assistant Pharmacist" at the Medical College of the Medical University - Varna.

27th of May 2021
Varna

Author: 
Assoc. Prof. Mila Georgieva, Ph.D.