To the Chairman of the Scientific Jury Designated by Order No P-109-370/21.08.2023

REVIEW

From

Prof. Magdalena Spasova Kondeva-Burdina, PhD

Department of Pharmacology, Pharmacotherapy and Toxicology,

Faculty of Pharmacy at MU-Sofia

REFERRED: Filling of the academic position of PROFESSOR in the field of higher education 7. Health and Sport; professional field 7.3. Pharmacy; scientific specialty "Hospital Pharmacy" for the needs of the Department of Pharmacy Organization and Economics at the Faculty of Pharmacy at MU-Varna.

On the basis of the Order № P-109-370/21.08.2023, I am included in the composition of the scientific jury for the competition for the academic position "Professor" in the scientific specialty "Hospital Pharmacy" and I am appointed to prepare a review according to the requirements of the Regulations on the Conditions and Procedure for Acquisition of Scientific Degrees and the Law on the Development of Academic Staff at the Medical University of Varna.

The only candidate in the announced competition is Assoc. Prof. Evgeni Evgeniev Grigorov, PhD.

Biographical data

The candidate's biographical details can be summarised as follows:

In 1992/1997 he graduated from the Thomas Jefferson Second English Language High School. Secondary education with a major in Chemistry and Biology.

In 1997/2002 he graduated from MEDICAL UNIVERSITY-SOFIA, Faculty of Pharmacy, Master's degree in Pharmacy.

2002/2005 - graduated from the New Bulgarian University, Master's Faculty, Master's degree in Health Policy and Management.

2002/2005 Graduated from the UNIVERSITY OF NATIONAL AND WORLD ECONOMICS, Faculty of Finance and Accounting, Bachelor's degree in Finance; and from the Faculty of Infrastructure Economics, Master's degree in Economic Logistics.

In 2014 he obtained his PhD in the scientific specialty of Social Medicine and Organization of Health Care and Pharmacy at the NATIONAL CENTER FOR PUBLIC HEALTH AND ANALYSIS. Topic: "Study and pharmacoeconomic evaluation of risk factor prevention and therapy in ischemic heart disease".

Professional qualifications:

- Master Pharmacist
- Health Manager
- Bachelor of Economics
- Master in Economics

Specializations:

- Organization and economics of distribution and pharmacy practice
- Clinical Pharmacy
- Economics of Health Care
- Organization and economics of pharmaceutical production
- Hospital pharmacy

Academic Development:

2007/2010 - Assistant Professor at MU-Sofia

In the period 2010/2011 - Senior Assistant Professor at MU-Sofia

In 2011/2015 - Chief Assistant Professor at MU-Sofia

Since 2015 till now - Associate Professor at MU-Varna

Research activities

The overall scientific activity of Assoc. Prof. Grigorov covers the period after 1 January 2015 and is presented by groups, in accordance with the Academic Staff Development Act and the regulations for its implementation, as follows:

- 1 monograph;
- 1 study;
- 46 publications published in scientific journals, refereed and indexed in world-known databases of scientific information;
- 24 publications and papers published in non-refereed peer-reviewed journals;
- 6 participations in scientific or educational projects;
- citations.

Indicator	Requirement under the Regulations for the	Assoc. prof. Evgeni
	Development of the Academic Staff of MU-	Grigorov
*	Varna.	
A	50	50
В	100	268,5
G (4-10)	200	768,5
D (11-13)	100	450
E (14-21)	100	549,55
Total:	550	2086,55

It is noteworthy that the candidate exceeds many times the mandatory quantitative indicators for holding the academic position of "professor" according to the Regulations for the Application of the Law on Academic Staff Development of MU-Varna.

The candidate participates in a total of 6 projects - scientific and educational.

Good impression is made by the numerous participations of Assoc. Prof. Grigorov in national and international scientific events. For the presented period, the candidate has 101 participations in National scientific events and 22 participations in International scientific events.

Much of the scientific activity of Assoc. Prof. Grigorov is mainly focused on the problems of the scientific specialty "Hospital Pharmacy".

His contributions can be divided into two groups:

- scientific-theoretical:
- scientific-applied.

According to their focus and specificity, his publications can be summarized in five main areas:

- Hospital Pharmacy and Pharmacotherapy;
- History of Pharmacy;
- Experimental Laboratory Studies;
- Role of the hospital pharmacist in the delivery of clinical pharmacy services;
- Social Pharmacy and Health Technology Assessment.

SCIENTIFIC AND THEORETICAL

Hospital Pharmacy and Pharmacotherapy

This scientific area includes 23 scientific publications. Various aspects of hospital pharmacy are explored theoretically and conceptually, and papers are presented on the role of the hospital pharmacist in collecting and synthesizing scientific information on medicines. Opportunities for rational pharmacotherapy in inpatient care settings for patients with various diseases are explored. Authors' data from various studies conducted on the outcomes of treatment of cardiovascular and neurological diseases are presented. Current scientific evidence on the application of the concept of accelerated recovery after surgery (ERAS) in biliary surgery and the associated socio-economic implications are analysed, and the possibilities for introducing this approach in Bulgaria are presented.

History of Pharmacy

6 scientific publications fall under this scientific area. They present various studies that aim to trace historical moments and the development over the years of scientists' knowledge of diseases and medicines. A publication is presented that presents the emergence and development of modern hospitals and their hospital pharmacies in the Bulgarian lands in the era after the Liberation of Bulgaria from Ottoman rule. Original in its nature is the article, which

makes a historical trace of the legislative decisions in the Republic of Bulgaria in the field of regulation of the pharmaceutical market and pharmacy services to the population.

Experimental laboratory studies

This scientific area includes 7 scientific publications. The authors present data from various experimental studies. The features of stress-induced analgesia and evaluation of endogenous cannabinoid action are elucidated. The possibilities of cyclic-mediated isothermal amplification for the detection of C. Burnetii in Bulgaria are analyzed. Data from biopharmaceutical studies of different dosage forms and technology for the development of pharmaceutical formulation with pleasing organoleptic characteristics are published.

APPLIED SCIENCE

Role of the hospital pharmacist in the provision of clinical pharmacy services

18 scientific publications fall under this scientific area. The authors present data from various studies conducted showing the role of hospital pharmacists in the provision of clinical pharmacy services. Several specific clinical cases contributing to science and practice are published. Surveys have been conducted with different groups of respondents and the original results have been presented to the medical and pharmacy community.

Social Pharmacy and Health Technology Assessment (HTA)

16 scientific publications fall under this research area. A survey was conducted to measure satisfaction with pharmacy service delivery, and the results showed that there is a positive attitude towards expanding pharmacy activities and consolidating and expanding the pharmacist's role as a health service provider. Several issues of modern society are studied such as: misinformation, fake news and the importance of social forums. Authors' data from several different pharmacoeconomic studies are presented. Various aspects of the HTA process in Bulgaria are analysed.

Teaching and learning

In terms of teaching and learning activities, in the competition for the academic post of Professor, the candidate contributed with 1 textbook and 3 teaching aids.

The main disciplines that are related to teaching in the Department of Organization and Economics of Pharmacy at the Faculty of Pharmacy at MU-Varna, with the participation of Assoc. Prof. Grigorov are:

- Social Pharmacy and Pharmaceutical Legislation
- Pharmacoeconomics
- Medical Devices
- History of Pharmacy
- Foundations of Clinical Pharmacy
- Pharmaceutical Marketing
- Health Technology Assessment
- Pharmaceutical Regulation and Economics
- Developing Innovative Pharmaceutical Products and Devices

Assoc. Prof. Grigorov is the scientific supervisor of:

- 18 students who have successfully defended their master theses;
- a total of 16 PhD students, of which 11 have successfully defended their theses and 5 are in progress.

The candidate is:

- Chair of the State Examination Committee for the SDO in "Organization and Economics of Distribution and Pharmacy Practice".
- Member of the State Examination Board for the Certificate in Clinical Pharmacy.
- Member of the State Board of Examiners for Hospital Pharmacy.
- Member of the State Board of Examiners for Military Medical Supply.
- Member of the State Board of Examiners for Health Economics.
- Member of the Board of the Professional Organization of Hospital Pharmacists in Bulgaria from 2013 to 2020.

During this period, outside the teaching and learning activities of Assoc. Prof. Grigorov at MU-Varna, he also participated as a guest lecturer in a number of trainings:

- Continuing education of Master Pharmacists in 2017 organized by MU-Varna
- Seventh National Conference on Oncology Pharmacy, 22-24.02.2019, Sofia
- Continuing Medical Education of Master Pharmacists, organized by BFS in collaboration with RFC-Gabrovo, 17.04.2019, Gabrovo
- Seminar: 'Innovation and access to drug therapy new highlights in 2019', jointly organised by the NBU and the BPS, 19.01.2019, Sofia
- Open lecture at the University of National and World Economy, 17.04.2019.
 Topic: 'Market Access for New Medicinal Products in Bulgaria'
- Eighth National Conference on Oncology Pharmacy, 04-06.12.2020, Sofia
- Open lecture at the University of National and World Economy on 12.02.2022. Topic: 'Risk management and supply chain quality assurance for COVID-19 vaccines'
- IV-th Student Pharmaceutical Forum, organized by the Association of Pharmacy Students in Bulgaria (Plovdiv), 26-28.05.2023, Plovdiv, Bulgaria.

CONCLUSION

The comprehensive evaluation of the candidate shows a scientific production that exceeds the quantitative and qualitative requirements of the Law for the Development of Academic Staff in the Republic of Bulgaria and the Regulations for the Development of Academic Staff of the Medical University-Varna. The candidate shows exceptional activity in teaching with a heavy teaching load.

On this basis, I confidently propose to the members of the Honorable Scientific Jury to vote POSITIVE for filling the academic position "Professor" in the scientific specialty "Hospital Pharmacy", in the field of higher education 7. "Health and Sport", in the professional field 7.3. "Pharmacy", for the needs of the Department "Organization and Economics of Pharmacy" at the Faculty of Pharmacy at MU-Varna, by Assoc. Prof. Evgeni Evgeniev Grigorov.

12.10.2023

Sofia

Prepared the review:

/prof. Magdalena Spasova Kondeva-Burdina, PhD/