

## OPINION

by Prof. Dr. Rumen Pavlov Nikolov, MD  
Department of Pharmacology and Toxicology,  
Faculty of Medicine, Medical University of Sofia

member of the scientific jury for the academic position "Associate Professor" (published in the State Gazette, № 07/23.01.2024), confirmed by order of the rector of the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna №. R-109-99/22.03.2024, field of higher education 7. Healthcare and sports, professional direction 7.1. Medicine, specialty "Pharmacology (incl. pharmacokinetics and chemotherapy)" - one, full-time position for the needs of the Department of Pharmacology and Clinical Pharmacology and Pharmacotherapy, Faculty of Medicine at the Medical University "Prof. Dr. Paraskev Stoyanov"-Varna.

One candidate took part in the competition - Ch. assistant professor, Dr. Antoaneta Borisova Georgieva, PhD, at the University of Varna.

### **I. Biographical data and career profile of the candidate**

Ch. Assistant Pprofessor, Dr. Antoaneta Borisova Georgieva, MD, was born on July 30, 1985, in the city of Ruse and completed her secondary education in 2004. In 2010, she graduated from the Medical University "Prof. Dr. Paraskev Stoyanov"-Varna. After graduating from the Faculty of Medicine, during the period from 2010 to 2011, Dr. Antoineta Georgieva worked in a pharmacy. Since 2012, Dr. Georgieva has been an assistant at the Department of Pharmacology and Clinical Pharmacology and Therapy at the Faculty of Medicine at the Medical University - Varna. In 2016, she successfully defended his doctorate in the specialty "Pharmacology (incl. pharmacokinetics and chemotherapy)" at the Faculty of Medicine at the Medical University "Prof. Dr. Paraskev Stoyanov"-Varna. She has an acquired specialty in "Pharmacology" (2021). In 2017, the candidate acquired the academic position of "Chief Assistant Professor".

Ch. Assistant professor Dr. Antoineta Georgieva has 12 years of teaching experience in teaching at the Medical University - Varna in the discipline "Pharmacology" to students from the specialties of medicine and dentistry and in the discipline "Clinical pharmacology" to students from the specialties of medicine and dentistry.

The candidate is fluent in English and has excellent technical skills in working with computer programs.

Ch. Assistant Professor Dr. Antoaneta Georgieva participated in 5 research projects, 2 of which at the Scientific Research Fund of the Ministry of Education and Science.

## **II. General description of the submitted materials for the competition**

Ch. Assistant Professor Dr. Antoaneta Georgieva has attached a complete set of documents, in accordance with the Regulations of the Medical University-Varna: application to the Rector of the Medical University - Varna for admission to participation in the competition with a description of the documents; CV in European format; diploma for completed education in medicine from Medical University "Prof. Dr. Paraskev Stoyanov"-Varna, diploma for the acquired scientific and educational degree "Doctor" from the Medical University-Varna, diploma for the specialty "Pharmacology (incl. pharmacokinetics and chemotherapy)", certificate of internship in the specialty, certificate of teaching internship, academic reference for publications, citations and scientific profiles, monography named "The traditional Bulgarian spices devesil, savory, fenugreek/chimen. Potential health benefits based on polyphenol content", list of participations in national and international scientific forums, list of participations in scientific projects and reference for scientific contributions. The documents are submitted on an electronic medium.

## **III. Evaluation of the scientific works of the candidate for the overall academic development**

Ch. Assistant Professor Dr. Antoaneta Georgieva presented an academic reference for a total of 24 scientific articles related to the competition for the academic position "Associate Professor" and 18 scientific works outside of it.

The candidate participates in the competition with a monograph and 24 scientific articles, as follows:

- Monograph named "Traditional Bulgarian spices devesil, savory, fenugreek/chime. Potential health benefits based on polyphenol content". Varna, 2023.
- List of 16 publications referenced in Web of Science and Scopus;
- A list of 8 publications in non-refereed peer-reviewed journals or published in edited collective volumes.
- In 7 of the presented articles related to the competition for the academic position "Associate Professor" Dr. Antoaneta Georgieva, is the first author.

In his self-evaluation, the candidate divided the points to be awarded for each presented scientific work, in proportion to the number of co-authors, and the candidate's points by groups of indicators, which I recognize, are as follows: indicator A - 50 points, indicator B - 100 points and indicator D – 202.1 points.

The candidate meets the normative requirements for publication activity (indicator B – 100 points with a requirement of 100 points and indicator D – 202.1 points with a requirement of 200 points).

#### **IV. Evaluation of the monographic work submitted for participation in the competition**

Candidate Dr. Antoineta Georgieva presented a monograph named "Traditional Bulgarian spices devesil, savory, fenugreek/chime. Potential health benefits based on polyphenol content". The potential health benefits of the extracts isolated from these plants are based on the content of flavonoids (quercetin, kaempferol, rutin, apigenin, luteolin) and phenolic acids (chlorogenic, ferulic, gallic, caffeic, vanillic).

The scientific contributions related to the presented monograph of the candidate have important scientific and applied importance. The potential multiple health benefits of the traditional Bulgarian spices devesil (*Levisticum officinale*), savory (plants of the genus *Satureja*), and fenugreek/chime (*Trigonella foenum-graecum*) due to their high content of polyphenolic compounds have been elucidated. Data are presented on the pharmacological effects of various plants and of isolated polyphenols (flavonoids and phenolic acids) in experimental models of diseases and conditions. The presented antioxidant, anti-inflammatory, antitumor, neuroprotective, organoprotective, metabolic, antibacterial, antiviral and antiparasitic properties are based on both literature sources and own experimental data.

#### **V. Citation of the candidate's publications in the national and foreign literature**

According to the Academic Reference of the candidate from the Library of the Medical University - Varna, 7 citations (105 points) are presented against the requirement of 50 points.

#### **VI. Assessment of teaching activities**

From 2012 until now, the candidate has been conducting practical classes for students in the disciplines of pharmacology and clinical pharmacology at the Medical faculty of the Medical University "Prof. Dr. Paraskev Stoyanov"-Varna.

According to the academic report for the last 4 academic years, Dr. Antoineta Georgieva has an average of 619 hours/academic year in practical seminars, which many times exceeds the norm for classroom employment for one academic year (360 hours).

## VII. Critical notes and recommendations

I have no critical remarks about the candidate. My recommendation is that he continues his high publication activity.

## VIII. General assessment of the applicant's compliance with the mandatory conditions and mandatory quantitative criteria and scientometric indicators according to regulation for occupying academic positions in the Medical University – Varna

Field of higher education 7. Healthcare and sports, professional direction 7.1. Medicine.

**Table 1. Minimum required points by groups of indicators for the academic position "Associate Professor"**

Group of indicators	Content	Associate Professor	Ch. Assistant Professor Dr. Antoaneta Georgieva
A	Indicator 1	50	50
Б	Indicator 2	-	
В	Indicator 3 or 4	100	100
Г	The sum of indicators 5 to 9	200	202,1
Д	Сума от показателите от 10 до 12	50	105

## IX. Conclusion

My comprehensive evaluation of the educational and scientific activities of Ch. Assistant Professor Antoaneta Georgieva, MD is **positive**. The candidate meets the mandatory and specific conditions and scientometric criteria in the ZRASRB and the Regulations of the Medical University "Prof. Dr. Paraskev Stoyanov"-Varna for the occupation of the academic position "Associate Professor".

The materials submitted by the candidate for the competition show that Ch. Assistant Professor, Dr. Antoaneta Georgieva, meets the requirements for holding the academic position "Associate Professor", according to the Law on the Development of the Academic Staff of the Republic of Bulgaria, the Rules for its Application and the Rules of the Medical University - Varna. The presented scientific works and evidence of the scientific activity meet the quantitative and qualitative criteria and show a high contribution character.

I propose to the respected members of the Scientific Jury to award **Ch. Assistant Professor Antoaneta Borisova Georgieva, PhD, the academic position "Associate Professor"** in the field of higher education 7. Health care and sports, professional direction 7.1. Medicine, specialty "Pharmacology (incl. pharmacokinetics and chemotherapy)" for the needs of the Department "Pharmacology and Clinical Pharmacology and Pharmacotherapy", Faculty of Medicine at the Medical University "Prof. Dr. Paraskev Stoyanov"-Varna.

17.05. 2024

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