

## **O P I N I O N**

**from**

**Assoc. Prof. Maya Petrova Radeva-Ilieva, MScPharm, PhD**  
**Head of Department of Pharmacology, Toxicology and Pharmacotherapy,**  
**Faculty of Pharmacy,**  
**Medical University "Prof. Dr. Paraskev Stoyanov" – Varna**

**Member of the Scientific jury based on an order No. P-109-292/04.09.2024 of the Rector of Medical University "Prof. Dr. Paraskev Stoyanov" – Varna.**

**According to the protocol of the first meeting of the Scientific jury held on 16.09.2024, I am appointed to prepare an opinion.**

**REGARDING:** Competition for the academic position "Associate Professor" in the scientific specialty "Pharmacology", field of higher education 7. Healthcare and sports, professional field 7.3. Pharmacy, for the needs of the Department of Pharmacology, Toxicology and Pharmacotherapy, Faculty of Pharmacy at MU-Varna. The competition for the current procedure was published in SG, issue 57/05.07.2024.

The review of the materials submitted for participation in the competition is based on the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB), as well as the Regulations for the Implementation of the LDASRB (RILDASRB) and the Regulations for the Development of the Academic Staff in the MU - Varna. The documents are accompanied by evidentiary material and are prepared extremely precisely.

One candidate participates in the competition – NADEZHDA RUMENOVA KARKKESELYAN, MScPharm, PhD – chief assistant professor at the Department of Pharmacology, toxicology and pharmacotherapy, Faculty of Pharmacy at MU-Varna.

## **Biographical data and professional development**

Nadezhda Rumenova Karkkeselyan was born in Varna in 1987. She completed her secondary education in 2006 at the First Language School, Varna. In 2011, she graduated with an educational qualification degree "MASTER" in the specialty "PHARMACY" at the Faculty of Pharmacy of Medical University - Plovdiv.

Based on the candidate's attached curriculum vitae, it is striking that there is a rigorously demonstrated consistency in her professional development and growth in academic circles. In 2013, she was appointed as an ASSISTANT PROFESSOR in pharmacology at the Department of Preclinical and Clinical Sciences, Department of Pharmacology and Toxicology at the Faculty of Pharmacy of MU-Varna. With the formation of an independent Department of Pharmacology, Toxicology and Pharmacotherapy in 2015, Nadezhda Karkkeselyan was appointed as an ASSISTANT PROFESSOR in pharmacology and toxicology. In 2016, she was enrolled as a PhD student in an independent form of study in the specialty "Toxicology" at MU-Varna. In september 2018, he successfully defended a dissertation on the topic *"Pharmacotherapeutic study, potential side and toxic effects of cardioactive drugs in the treatment of hospitalized patients with chronic heart failure"* and obtained the educational and scientific degree "Doctor" in the scientific specialty "Toxicology" in professional direction 7.3. Pharmacy. Since 2019, she holds the academic position of CHIEF ASSISTANT PROFESSOR at the Department of "Pharmacology, toxicology and pharmacotherapy" of the Faculty of Pharmacy at MU-Varna.

In 2020, chief assist. prof. Nadezhda Karkkeselyan, PhD acquired a specialty in "Toxicology and toxicological analysis" at Medical University-Varna. As of 2024, the candidate has successfully completed an individual study plan in the specialty "Hospital Pharmacy" at MU-Varna.

Chief assist. prof. Nadezhda Karkkeselyan, PhD is a member of the following scientific organizations: Bulgarian Pharmaceutical Union, Bulgarian Society of Clinical Toxicology, Bulgarian Society of Pharmacology, Clinical Pharmacology and Therapy and Bulgarian Society of Nutrition and Dietetics.

In addition, the candidate possesses excellent computer literacy and excels in communication, organizational and technical skills. Fluent in written and spoken English.

## Teaching and learning activity

Chief assist. prof. Nadezhda Karkkeselyan, PhD is a well-established teacher with proven skills. She has 12 years of experience in the specialty, of which **10 years of teaching experience at MU-Varna**. According to the attached reference, the study load of chief assist. prof. Nadezhda Karkkeselyan, PhD meets the basic requirements for teaching and learning work.

The candidate participates in conducting the following classes:

- Seminar exercises in *toxicology* for pharmacy students;
- Seminar exercises in *pharmacology* for pharmacy students;
- Lectures on *toxicology* for pharmacy students;
- Lectures on *toxicology* for assistant pharmacists;
- Lectures on *pharmacology* for assistant pharmacists.

Chief assist. prof. Nadezhda Karkkeselyan, PhD is a co-author in the writing of the following teaching materials for pharmacy students:

- "Guide to pharmacology for pharmacy students" edited by Assoc. Prof. Marieta Petrova Georgieva, MD, PhD and Assoc. Prof. Kaloyan Dobrinov Georgiev, PhD, Varna, 2017. ISBN: 978-619-221-076-2
- "Manual of toxicology for pharmacists" edited by Marieta Petrova Georgieva, MD, PhD, 2018, ISBN: 987-619-221-137-0
- "Manual of toxicology for pharmacy students" under the editorship of Assoc. Prof. Marieta Petrova Georgieva, MD, PhD, 2020, Publishing House: Medical University - Varna; ISBN: 978-619-221-292-6
- "Collection of toxicology theses for pharmacy students" edited by Prof. Marieta Petrova Georgieva, MD, PhD, 2022, Publisher: Steno; ISBN: 978-619-241-224-1
- "Collection of test questions in pharmacology and toxicology for pharmacists" edited by Prof. Marieta Petrova Georgieva, MD, PhD and Prof. Kaloyan Georgiev, PhD, DSc, 2022, Publisher: Steno; ISBN: 978-619-241-251-7.

In addition to the educational and teaching activities, chief assist. prof. Nadezhda Karkkeselyan, PhD actively participates in the administrative activities of the Department, as in the period of 2016-2022 she was Responsible for Quality at the Department of "Pharmacology, toxicology and pharmacotherapy".

## Научно – изследователска дейност

The scientific interests of chief assist. prof. Nadezhda Karkkeselyan, PhD are in the field of toxicology, pharmacology and pharmacotherapy and are related to the safe and rational use of medicinal and herbal products and probiotics. The results of the candidate's research activities have been published in international refereed journals, which confirms their importance.

For the current competition chief assist. prof. Nadezhda Karkkeselyan, PhD presents 1 habilitation thesis – monograph, 1 chapter in a collective monograph and 17 scientific publications after acquiring the educational and scientific degree "Doctor". Of all publications – 8 are published in journals that are referenced and indexed in world-renowned databases of scientific information (Scopus and/or Web of Science), and 7 are published in IF journals. In 2 of the publications submitted for participation in the competition, the candidate is an independent author, in 5 of them she is the first author, and in 9 of the publications she is the second or third author. She co-authored five teaching aids for pharmacy students.

**The total IF of the journals in which the candidate has publications is 11.827.**

The scientific work of chief assist. prof. Nadezhda Karkkeselyan, PhD has an indisputable contribution to the field of toxicology, which is confirmed by the reference to the citations in world-famous databases, up to date: **SCOPUS – 42 citations (h-index 3); Google Scholar – 76 citations (h-index 5).**

The candidate's monograph on the topic „*Drug interactions in patients with cardiovascular disease*“ concerns the extremely current and significant topic of drug interactions, which represent a major problem of modern pharmacotherapy. In this regard, prevention of potential drug interactions is important to enhance patient safety when taking medications.

Chief assist. prof. Nadezhda Karkkeselyan, PhD has **33** participations in national and international scientific conferences, of which **4** oral presentations and **29** poster presentations. She is a participant in the research team of 3 scientific projects funded by MU-Varna.

In the reference for the minimum requirements for occupying the academic position "ASSOCIATE PROFESSOR", the candidate exceeds the *required scientometric indicators*.

## Conclusion

Chief assist. prof. Nadezhda Karkkeselyan, PhD is a young and promising teacher with many years of teaching and research activity in the field of toxicology. She holds the educational and scientific degree "Doctor" in the specialty „Toxicology” and specialty in „Toxicology and toxicological analysis“ which fully meet the requirements of the current competition – occupying of the academic position "ASSOCIATE PROFESSOR" in toxicology. The scientific activity of the candidate significantly exceeds the required qualitative and quantitative scientometric indicators laid down in the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB), as well as the Regulations of the MU-Varna for the acquisition of the academic position "ASSOCIATE PROFESSOR". Based on the above, I can confidently suggest to the members of the honorable Scientific jury to vote **POSITIVELY** for the occupation of the academic position "ASSOCIATE PROFESSOR" from **chief assist. prof. Nadezhda Karkkeselyan, PhD**, in the field of higher education 7. Healthcare and sports, professional field 7.3. Pharmacy, in the scientific specialty "Toxicology" for the needs of the Department of "Pharmacology, toxicology and pharmacotherapy", Faculty of Pharmacy at MU-Varna.

Varna

28.10.2024

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/Assoc. Prof. Maya Petrova Radeva-Ilieva, PhD/

