

STATEMENT

by

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About: Competition for an Associate Professor academic position in the field of higher education 7. Healthcare and Sports; professional sphere 7.4. Public Health; Public Health Management (Medicinal Product Analysis) specialty for Training Sector of Assistant Pharmacist at the Medical College of Varna, announced in State Gazette, issue 41/03.06.2022 with a sole candidate: Ch. assist. prof. Silviya Georgieva Mihaylova, PhD.

With regard to the announced Assistant Professor competition, by ordinance № P-109-319/29.07.2022 of the Rector of MU-Varna and after a decision of the Academic Council of MU-Varna with protocol № 49/07.07.2022, I was appointed to prepare a statement.

Short information about the candidate’s career path and qualifications

Ch. assist. prof. Silviya Georgieva Mihaylova, PhD was born on 03.06.1978. In 2003 she graduated from the Faculty of Pharmacy at the Medical University of Sofia, earning a Master’s degree in Pharmacy. She has over 10 years of work experience at a pharmacy and a pharmaceutical warehouse. Her academic career began in 2013 with consecutively taking the positions of an assistant professor, chief assistant professor, and head of TS of Assistant Pharmacist at the Medical College of Varna. In 2019 she acquired the academic degree of Doctor in the Bioorganic Chemistry, Chemistry of Natural and Physiologically Active Compounds specialty at the Medical University of Varna with a dissertation titled *Synthesis and Biological Assessment of SMAC-NT Peptide Conjugates with Combined Antineoplastic and Analgesic Activity*. She has acquired her specialty in 2021 according to Ordinance 1/2015 in the healthcare system: *Analysis of Medicinal Products*. She took an additional training course: *Methods of Synthesis of Non-Natural Amino Acids and Peptides*, in 2015–2016, at the Institute of Molecular Biology, Bulgarian Academy of Sciences, Section of Molecular Design and Biochemical Pharmacology. Her good level in English and Russian is a prerequisite to the high quality of her work as a researcher.

Scientometric indicators presented for the acquisition of the academic degree of Associate Professor, field 7. Healthcare and Sports, professional sphere 7.4. Public Health.

The candidate has presented the materials needed for participation in the competition in compliance with the requirements of the Regulations to the Law for the Development of Academic Staff (RLDAS) at MU-Varna. The full list of her scientific activity contains 29 scientific works.

Of them:

To satisfy the minimum state requirements based on LDASRB from 2018 and RLDAS of MU-Varna/2022, 400 pts are needed. The total sum from the candidate's scientific activity is **485.5 pts**.

A1. Dissertation for the acquisition of a PhD in the Bioorganic Chemistry, Chemistry of Natural and Physiologically Active Compounds specialty—**50 pts**.

B3. Monograph titled *Synthesis and Biological Assessment of SMAC-NT Peptide Conjugates with Combined Antineoplastic and Analgesic Activity*: MU-Varna; 2022. ISSN 978-619-221-378-7—**100 pts**.

G7. Publications and proceedings published in scientific journals, peer-reviewed and indexed in international databases with scientific information (Web of Science, Scopus)—5, one of them has Ch. assist. prof. Silviya Mihaylova, PhD as a first author—**97 pts**.

G8. Publications and proceedings published in non-indexed scientific journals with peer review or published in peer-reviewed collective volumes—16, in 5 of them Ch. assist. prof. Silviya Mihaylova, PhD is a second author, and third and subsequent—in 12 of the publications—**133.5 pts**.

The candidate has submitted one full-text publication in scientific journals and collective volumes outside the minimum scientometric requirements for the acquisition of the Associate Professor academic degree.

Scientific activity

The candidate has participated in 5 university and national projects.

She has taken part in 12 scientific conferences with full-text proceedings published in the period 2015–2022. She has participated in international scientific conferences with 5 published abstracts, in 5 scientific forums abroad, and has over 10 participations in international scientific forums up to this moment.

Citations reflecting the candidate's scientific activity

The total number of citations of the candidate is 13 of which, in monographs and collective volumes with peer review—6, citations and reviews in scientific journals peer-reviewed and indexed in international databases with scientific information or in monographs and collective volumes—1, citations and reviews in non-indexed journals with peer review—6. **Total number: 105 pts**.

Impact factor data about ch. assist. prof. Silviya Mihaylova, PhD based on the inquiry for the period from 2018 up to the present moment is 4.162.

The scientific activity covers the minimum state requirements of the LDASRB and the Regulations of MU-Varna for the acquisition of the Associate Professor academic degree.

Teaching activity

Ch. assist. prof. Silviya Mihaylova, PhD has presented an academic transcript for her teaching activity at MU-Varna (№112-194/09.06.2022). The candidate has participated in the training of students in the Assistant Pharmacist program (Bulgarian language) since 2013 and has been

contributing to the practice classes and the lecture materials. Since 2018 she has been assisting the practice side of the training process and the pre-graduate internship—since 2019. She has been part of the examiners of first-, second-, and third-year students from the Bulgarian language program. Her average annual load for the last 5 years is 752 hours.

Scientific achievements and contribution

The main scientific interests of Ch. assist. prof. Silviya Mihaylova, PhD are in the following fields:

1. Food and nutrition—the main chemical characteristics of various medicinal plants successfully used in pharmacy and medicine have been determined. The role of functional foods in the prevention and treatment of hepatic, socially significant oncological and infectious diseases has been shown.

2. Oncology and rare diseases—the presented scientific works research the pharmacokinetic behavior and the possible drug interactions in which RGD and NT(8-13) can be engaged. The role of mycotherapy and fungotherapy in the treatment of oncology patients is studied. The analgesic activity of newly synthesized neurotensin analogs is researched and the central mechanism of realization of an analgesic effect, independent of the opioid pathways, is established.

3. Prevention, disease management, and health system management—some of the presented publications establish that pharmaceutical care can decrease both the number of errors and the expenditures resulting from them. The knowledge and skills of pharmacists are used for analysis and assessment of the effects of macrolevel decisions, which have an impact on the patients in the field of pharmacy as part of healthcare.

4. Peptide chemistry—the main contribution consists of increasing the knowledge about the therapeutic effects which can be achieved by various synthetic processes and are related to specific modifications in the structure of peptides. Newly synthesized peptides for analgesic and cytotoxic activity have been researched with the aim of them potentially being used in the treatment of neoplastic diseases.

Personal opinion

I know Ch. assist. prof. Silviya Mihaylova, PhD as a well-prepared, competent pharmacist and lecturer. I am convinced that, along with her good professional competencies, the indicated qualities would be a warranty for the higher academic degree for which she is applying.

Conclusion

Ch. assist. prof. Silviya Mihaylova, PhD presents for the competition scientometric indicators which cover the minimum national requirements of LDASRB and RLDAS of MU-Varna. She is an author of scientific production with scientific, theoretical, and practically applicable contribution. She satisfies the criteria of the Law on the Development of Academic Staff of the Republic of Bulgaria and the Regulations of MU-Varna for the acquisition of the Associate Professor academic degree.

On the grounds of all this I will vote in a positive way and would suggest that the estimated member of the Scientific Jury vote to approve **Ch. assist. prof. Silviya Mihaylova, PhD** for the academic

position of Associate Professor in Healthcare Management (Medicinal Product Analysis), professional sphere 7.4. Public Health, in the field of higher education of 7. Healthcare and Sports for the needs of TS of Assistant Pharmacist, Medical College at the Medical University of Varna.



Assoc. prof. Emiliya Georgieva, PhD

12 October, 2022