

Statement

from

Assoc. Prof. Stanislava Dimitrova Ivanova, PhD

**Department of Pharmacognosy and Pharmaceutical Chemistry, Faculty of Pharmacy,
Medical University of Plovdiv**

Regarding a competition for the academic position of "Associate Professor" in the specialty of "Pharmaceutical Chemistry", professional field 7.3. Pharmacy, area of higher education 7. Health care and sports for the needs of the Department of "Pharmaceutical Chemistry" at the Faculty of Pharmacy of MU-Varna, announced in the State Gazette, issue 7 of January 23, 2024.

According to Ordinance Number: P-109-116/22.03.2024, issued by the Rector of MU-Varna, I have been selected as a member of the Scientific Jury, and by Protocol No. 1 of the first meeting held on 03.04.2024, I have been assigned to prepare an opinion on the procedure for filling the academic position of "Associate Professor" in the specialty of "Pharmaceutical Chemistry", professional field 7.3. Pharmacy. The sole candidate in the competition is Ch. Assist. Prof. Silvia Yordanova Atanasova - Stamova, PhD.

The review of the materials submitted for 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 precisely.

One candidate participates in the competition – Silvia Yordanova Atanasova-Stamova, MScPharm, PhD — chief assistant professor at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy at MU-Varna.

Biographical data and professional development

Silvia Yordanova Atanasova-Stamova was born in Yambol on June 25, 1982. In 2004, she graduated in pharmacy from the Medical College-Varna with a specialty in pharmacy assistant, and in 2016, she obtained a Master's degree in Pharmacy from MU-Varna. From 2004 to 2017, she worked as a pharmacist in various pharmacies. In 2017, she began working as an assistant at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy at MU-Varna. She enrolled as a

regular doctoral student in Pharmaceutical Chemistry in the same department in 2018, after which she successfully defended her dissertation on the topic: "Synthesis and characterization of substituted derivatives of imidazole with potential biological effects" in 2021. The candidate has a specialty in "Analysis of Medicinal Products," obtained in 2021.

Evaluation of quantitative and qualitative indicators

The academic documentation confirms that Ch. Assist. Prof. Silvia Atanasova-Stamova not only fulfills the minimum national criteria outlined in the Academic Staff Regulations and those specific to MU-Varna, as indicated in Table 1, but also exceeds them. Assoc. Prof. Atanasova-Stamova has provided evidence of 445.14 points (the obligatory points are 400).

Assistant Professor Silvia Yordanova Atanasova-Stamova has presented a total of 23 publications, 1 monograph, 11 publications under indicator G7, "Publications and reports published in scientific journals, referenced and indexed in world-famous databases with scientific information," 12 publications under indicator G8, "Publications and reports published in non-peer-reviewed journals with scientific review or published in edited collective volumes," and 6 publications beyond the minimum national requirements.

According to indicator A: defended doctoral thesis on the topic "Synthesis and characterization of substituted derivatives of imidazole with potential biological effect" — the criterion is fulfilled.

According to indicator B: a monograph has been presented on the topic "The Potential of Natural Compounds in Addressing Antimicrobial Resistance (AMR) with sole author Silvia Atanasova-Stamova (Varna, 2023). The work is based on over 500 literary sources and examines the current problem associated with increasing antimicrobial resistance (AMR) and the possibilities for addressing it through the use of various natural products, with emphasis on essential oils and their antimicrobial properties — the criterion is fulfilled.

According to indicator G: In points G7 and G8, respectively, 11 and 12 publications have been presented with a total score of 230.14 points, as well as 6 publications beyond the minimal requirements with a total score of 61, exceeding the minimal requirements for the academic position of "Assistant Professor" according to the Regulation on Academic Staff of Higher Education Institutions. The thematic scope of the publications spans several areas: Synthesis, characterization, and biological evaluation of newly synthesized molecules; Microbiological assessment of various natural substances and natural products; Prevention and treatment of diseases with different etiology — the criterion is fulfilled.

According to indicator D: Citations in scientific publications, in refereed and indexed journals-4 citations and 1 citation in non-refereed publications are presented- the criterion is fulfilled.

Ch. Assist. Prof. Silvia Atanasova-Stamova has participated in 52 national and international scientific events, including 33 in the country and 19 abroad. She has been a member of the research team for 7 scientific projects.

Evaluation of the contributions of scientific publications

In the presented publications, the candidate is the first author in 11 of them and the sole author of the monograph. Their scientific-practical nature is noticeable in the presented publications, connected with the potential of newly synthesized compounds showing stronger biological effects compared to controls, assessing the antimicrobial potential of natural substances, and seeking synergistic interactions between them and various drugs. The contributions are associated with the synthesis, characterization, and biological evaluation of newly synthesized derivatives of metronidazole and bexarotene, with some of them also describing in silico computer simulation of a biological experiment (G7.1, G7.2, G7.3, G7.7, G8.4, G8.5, G8.6, G8.7, G8.12); Microbiological assessment of various natural substances and natural products (G7.4, G7.5, G7.6, G7.8, G7.10, G8.9); Prevention and treatment of diseases with different etiology (G7.9, G7.11, G8.1, G8.2, G8.3, G8.8, G8.10, G8.11).

Assessment of teaching activities

Ch. Assist. Prof. Silvia Atanasova-Stamova has significant competence for interdisciplinary research and teaching activities, boasting nearly 20 years of professional experience, including 7 years of teaching experience at MU-Varna. The workload of Silvia Atanasova-Stamova meets the basic requirements for teaching and academic duties.

She is involved in conducting:

The total classroom engagement of the candidate for the last 5 academic years amounts to 2069 hours.

Conclusion

My final assessment of the educational, teaching, and scientific activities of Associate Professor Silvia Atanasova-Stamova is positive. 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 acquiring the academic position of "Associate Professor" and show a higher contribution character. I express a POSITIVE ASSESSMENT and propose to the honorable members of the scientific jury to vote POSITIVELY for the occupation of the academic position of "Associate Professor" from chief assist. prof. Silvia Atanasova-Stamova, PhD, in the field of higher education 7. Healthcare and sports, professional field 7.3. Pharmacy, in the scientific specialty "Pharmaceutical Chemistry" for the needs of the Department of "Pharmaceutical Chemistry", Faculty of Pharmacy at MU-Varna.

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Assoc. Prof. Stanislava Ivanova, PhD

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