

SCIENTIFIC OPINION

by Assoc. Prof. Iliya Zhelev Slavov, Ph.D.

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REGARDING: Competition announced in the State Gazette, issue 105 / 11.12.2020 for holding the academic position of "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.3. Pharmacy, specialty "Pharmaceutical Chemistry and Pharmacognosy" for the needs of the Department of Pharmacy of the Medical College - Burgas.

According to Order RD-28 / 05.02.2021. of the Rector of the University "Prof. Dr. Asen Zlatarov" - Burgas, I have been appointed a member of the Scientific Jury and I have been appointed to prepare an opinion on the procedure for holding the academic position of "Associate Professor" in the scientific specialty "Pharmaceutical Chemistry and Pharmacognosy" for the needs of the Department of Pharmacy in Medical College, announced in SG No. 105 / 11.12.2020.

Ch. Assistant Professor Stefan Vanev Harkov, PhD is the only candidate who participates in this competition. He has submitted the necessary documents and fulfills all the requirements for holding the academic position of "Associate Professor", listed in the regulations for academic development of the University "Prof. Dr. Asen Zlatarov" - Burgas.

Ch. Assistant Professor Stefan Vanev Harkov, Ph.D., was born in the city of Burgas on September 25, 1986. In 2010 he graduated in Pharmacy faculty at the Lviv National Medical University "Danilo Halitsky" in Lviv. He defended his master's thesis at the Department of Pharmacognosy and Pharmaceutical Botany. In the same year he was admitted to a full-time doctoral program with a term of 4 years at the Lviv National Medical University "Danilo Halitsky". After successfully defending his dissertation on "Synthesis and biological activity of thiazolidine derivatives with 2-oxo-1,3-dihydroindole fragment in the molecule" in 2014 he acquired "PhD" degree in Pharmaceutical Chemistry and Pharmacognosy. Since 2016, after participating in a competition, he has held the position of "assistant" in Pharmaceutical Chemistry at the Medical College - Burgas. Since 2018 he has been a senior assistant in the Department of Pharmacy at the Medical College.

The workload of Ch. Assistant Professor Stefan Harkov, PhD for the last four years fully

meets the requirements of the University "Prof. Dr. Asen Zlatarov", participating in the teaching of compulsory subjects to students majoring in "Assistant Pharmacist" to acquire the qualification of "professional bachelor" and he is also responsible for "Internship and pre-diploma internship". During the last two school years, in addition to university practice, Ch. Assistant Professor Stefan Vanev Harkov, PhD gives lectures on "Pharmaceutical Chemistry" to students majoring in "Assistant Pharmacist". The study load in the last four years is as follows: 582 hours for 2016/2017, 687 hours for 2017/2018, 690 hours for 2018/2019 and 630 hours for 2019/2020.

Ch. Assistant Professor Stefan Vanev Harkov, PhD participates in this competition with 26 actually printed full-text publications in magazines and collections, which are as follows:

- ✓ Scientific publications in issues, refereed and indexed in world-famous databases with scientific information - 16
- ✓ Publications in refereed international journals without impact factor – 10

The scientific works of Ch. Assist. Prof. Stefan Vanev Harkov, PhD deals with a wide range of topics. Moreover, the contributions from his work are scientifically applicable. The scientific directions in which Ch. Assistant Professor Stefan Vanev Harkov, PhD works are:

- ✓ Pharmaceutical Chemistry - Synthesis of new compounds including thiazolidine, pyrazoline and isatin fragments. Study of their activity and toxicity as potential drugs. The synthesized compounds were tested for antitumor, antiviral and antioxidant activity in vitro, as well as for their in vivo toxicity study. An in silico study and COMPARE analysis of the groups of potentially antitumor and antiviral agents were also performed.
- ✓ Pharmacognosy - morphological, anatomical and phytochemical study of *Geum urbanum* L., comparative study of the genus *Geum* L., as well as quantitative content of BAC, and in particular tannins in the aboveground and underground organs. Obtaining of phytopreparations and study of their antimicrobial activity.

The attached reference shows 169 citations of the works of Ch. Assit. Prof. Stefan Vanev Harkov, PhD, and h-index 7 according to the largest database Scopus. These figures are a kind of high assessment of the quality of scientific work of Ch. Assistant Professor Stefan Vanev Harkov, Ph.D.

Ch. Assistant Professor Stefan Vanev Harkov, Ph.D. has worked on 5 university projects of the Medical College - Burgas. He is a member of the Bulgarian Pharmaceutical Union. Fluent in English, German, Russian.

CONCLUSION:

I believe that Ch. Assistant Professor Stefan Vanev Harkov, PhD covers the academic and scientometric criteria for holding the academic position of "Associate Professor", defined

in the regulations for the development of the academic staff of the University "Prof. Dr. Asen Zlatarov "- Burgas. He has an established name in the pharmaceutical guild and a wide range of teaching and research activities, and his research work is characterized by scientific and applicable characteristics. Ch. Assistant Professor Stefan Vanev Harkov, PhD has proven organizational and administrative qualities and teaching skills. All this gives me reason to give a **POSITIVE EVALUATION** and convincingly propose to the esteemed members of the Scientific Jury to award Ch. Assistant Professor Stefan Vanev Harkov the academic position of "Associate Professor" in the field of higher education 7. Health and Sports, professional field 7.3. Pharmacy, specialty "Pharmaceutical Chemistry and Pharmacognosy" for the needs of the Department of Pharmacy of the Medical College at the University "Prof. Dr. Asen Zlatarov "- Burgas.

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/ Assoc. Prof. Iliya Zheley Slavov, Ph.D./