

OPINION

from
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Faculty of Pharmacy, Medical University Sofia,
Member of the Jury appointed with Order No. 38-156/02.04.2020
of the Rector of St. Kliment Ohridski Sofia University
in a competition for “**Associate Professor**” in
Professional area of competence 7.3 Pharmacy,
Scientific specialty:
“Social Medicine and Organization of Healthcare and Pharmacy”,
for the needs of the department of Physical chemistry at Faculty of Chemistry and Pharmacy
of St. Kliment Ohridski Sofia University,
Promulgated in State Gazette, issue 21/13.03.2020

The Commission on Applications sanctioned the participation of one candidate – chief assistant professor **Kalina Gocheva Andreevska**, MScPharm, PhD, in the competition for “**Associate Professor**” in “Social Medicine and Organization of Healthcare and Pharmacy”.

Biographical data: Chief Assistant Professor Andreevska graduated with a master's degree in Professional area of competence 7.3 Pharmacy in 2000 at the Faculty of Pharmacy of the Medical University of Sofia, acquired PhD in specialty "Social Medicine and Organization of Health and Pharmacy" (2011) with a dissertation entitled "Medico-social and economic studies of drug use in patients with COPD", obtained post-graduate specialty in Organization and Economics of Distribution and Pharmacy Practice in 2007 and is currently a post-graduate student in specialty Hospital Pharmacy. She is included in the Register of Academic Positions and Dissertations of National Centre for Information and Documentation.

Scientific activity: In the current competition Chief Assistant Professor Andreevska participates with a solid scientific production with all the publications after the acquisition of PhD presented for evaluation. The scientific work of the candidate is presented as: abstract of a dissertation; habilitation work/monographs – 2 pcs. (one co-authored); chapters from monographs - 2 pieces; participation in authors team of student books - 10; publications and reports published in scientific journals, referenced and indexed in world-famous databases with scientific information - 21; publications and reports published in unreferenced journals with scientific review or published in edited collective volumes - 94 pcs. From the presented publications it is evident that 45 of them are in foreign and Bulgarian periodical scientific journals in English - incl. textbook on History of Pharmacy in English from 2017, participation in scientific forums abroad and in the country with international participation, 7 articles in journals with impact factor on Thomson Reuters, two successfully finalized research projects funded by MU-Sofia and Sofia University, publications with students, lectures and participation in training modules for healthcare professionals. All evaluated publications are dated after 2011 and by the time of the present opinion only one is in print. A reference of the candidate in Scopus database shows 7 publications, two citations and an individual h-index 1. The publications, the abstract and the habilitation work are focused in the main field of scientific interests of Andreevska: Pharmaceutical Care, Pharmaceutical Marketing, History of Pharmacy, COPD and Asthma, Pharmacovigilance.

All publications are co-authored with large and diverse research teams (except for the abstract of dissertation, one independent monograph and one chapter in a monograph), which is indicative of the interests, capacity and expertise of Dr. Andreevska. It is clear that she is a sought-after researcher and a beneficial member of the research teams. The candidate is the first author in 10 publications, second, third

and next in all others. Data is presented for a total of 58 positive citations of 36 of her scientific papers, with the most cited article being one from 2014 with a total of 5 citations by foreign authors, 8 publications are cited 3 times, two of the citations are in scientific journals with impact factor (2016 and 2017).

The scientific interests of Dr. Andreevska are focused in the field of pharmaceutical care, history of pharmacy, pharmaceutical marketing and researches on drug use for specific diseases. The main part of the scientific works are synthesized in the reference of contributions and divided to scientifically theoretical and scientifically applied:

1. Study and clarification of the medical, economic and psychological factors for rational drug therapy conduct.
2. Application of modern approaches and methodologies for pharmaceutical care in order to avoid drug-related problems.
3. Study of the relationship between pharmaceutical care and pharmacoeconomics and characterization of the need for exercising pharmaceutical care in order to reduce the economic costs of drug-related problems.
4. Development of a model approach for research and assessment of availability and accessibility of medicines (dispensed without a prescription), as criteria for the quality of service in pharmacies.
5. Marketing analysis in the development of new drugs, as well as their imposition on the market - COPD, asthma, hypertension, neurological diseases and dietary supplements in order to prepare an optimal marketing plan and communication.
6. Peculiarities of the specifics of pharmaceutical care in patients with asthma and COPD, as practical algorithms for consulting in the pharmacy are proposed.
7. Systematized analysis of the historical conditions for the emergence and development of the pharmacy network in the Burgas region.
8. Justification and historical interpretation of the feminization of the pharmacists' profession, tracking the role and contribution of the first women pharmacists in the country.

The results of the candidate's research activities are significant and comprehensively documented. I accept the presented report on the contributions, but I believe that the listed contributions could be more synthesized and specified as an impact on the theory, methodology and practice.

Pedagogical activity: Chief Assistant Professor Andreevska has extensive pedagogical experience and has been teaching at the Faculty of Chemistry and Pharmacy of Sofia University since 2018. A significant advantage is her experience at the Faculty of Pharmacy of MU-Plovdiv, where she began her academic career in 2011 as an assistant and subsequently senior assistant. For two consecutive academic years in Faculty of Chemistry & Pharmacy the candidate has the necessary study load, participates in the development and updating of curricula, protocols and materials, and leads classes (practical exercises and seminars) in all special disciplines for students in master degree in pharmacy. Her average workload exceeds the requirements of the Regulations on the terms and conditions for acquiring scientific degrees and holding academic positions at Sofia University "St. Kliment Ohridski".

For a short time as a member of the academic community of Faculty Chief Assistant Professor Andreevska has had significant achievements in teaching and working with students, as evidenced by the joint 5 scientific publications and 9 participations in scientific forums with students and PhD students.

Overall assessment: The materials presented in the competition are sufficient for me to believe that Chief Assistant Kalina Andreevska, PhD covers all the basic and additional requirements for holding the academic position of "Associate Professor" at Sofia University and all Regulations for the implementation of Law. She has many years of diverse teaching and research activities. Research is definitely focused on social pharmacy, social medicine and the organization of healthcare and pharmacy. The candidate is an

established specialist and has proven achievements in the scientific field. She has a long-lasting and versatile teaching experience and scientific activity which meet the requirements for the position.

Conclusion: As a member of the Scientific Jury of the announced competition, I believe that in terms of research and science indicators the candidate meets the requirements of the applicable legislation. A dissertation for PhD has been defended in a scientific specialty, which corresponds to the professional field and scientific specialty of the competition. Scientific and teaching activities are in the field of medical and social aspects of pharmaceutical science and practice. The scientific output is sufficient in volume, there is evidence that the candidate continues to work very intensively in the chosen field and significantly exceeds the minimum national criteria for holding the academic position of "Associate Professor".

Dr. Andreevska has extensive pedagogical experience, but she has to adapt and direct the research and results of her future career more prominently in support of training and development of new practical skills and competencies by the students. With regard to all indicators, I express a HIGH esteem of the candidate and would like to strongly recommend the Honoured Scientific Jury to select the candidate for the academic position of "Associate Professor" in this competition, Chief Assistant Professor Kalina Gocheva Andreevska, PhD.

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