

R E P O R T

By Prof. Anely Metodieva Nedelcheva, PhD

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Member of the academic board of examiners, appointed by Order № 38-356/30.07.2020 by the Rector of Sofia University St. Kliment Ohridski

About the competition for filling the academic post of “**Professor**” in the area of higher education 4. Natural Sciences, Mathematics and Computing, professional field **4.2 Chemical Sciences**, scientific specialty: **Analytical Chemistry** in Faculty of Chemistry and Pharmacy, Sofia University St. Kliment Ohridski (SG, № 57/26.06.2020)

The documents submitted by Ivayla Nedyalkova Pantcheva-Kadreva, Associated Professor of Analytical Chemistry in Faculty of Chemistry and Pharmacy, Sofia University St. Kliment Ohridski are presented at the announced competition.

Ivayla Pantcheva is a member of the academic community of Sofia University St. Kliment Ohridski since 1997 as an assistant, senior assistant (2006) and associated professor (2011) till now in the Department of Analytical Chemistry in Faculty of Chemistry and Pharmacy. Ivayla Pantcheva obtained her professional qualification MSc in Inorganic and Analytical Chemistry (1993) in Sofia University, Faculty of Chemistry where she also took the higher education and academic degree of Doctor of Philosophy, PhD in scientific specialty Analytical Chemistry (code 01.05.04) after successfully defending the dissertation “Copper (II) Complexes of the Antihypertensive Drugs”. Assoc. prof. Pantcheva is an active member of the academic community. In the period 2011-2019 for two terms she took a position Vice Dean of Faculty of Chemistry and Pharmacy responsible for doctoral studies, international activity, research work, project financing and accreditation; Erasmus + faculty coordinator.

1. Teaching-related assessment

Assoc. prof. Pantcheva is an experienced and respected teacher. As assistant professor she conducted lectures of core courses such as Analytical Chemistry, Analytical Chemistry 1 and Analytical Chemistry 2 for BSc (Biology), BSc (Biology and Chemistry) and MSc Pharmacy and MSc Pharmacy in English Language. The candidate supervised 2 PhD theses and 6 diploma theses (MSc), which were successfully defended (2012-2020).

2. Research-related assessment

Assoc. prof. Pantcheva submitted a list of total scientific research output of 53 publications for the period 1997-2020 (33 of them are in refereed and indexed international journals). To participate in the competition, the candidate is present 22 publications totally: 19 publications in scientific journals and articles published in full text in peer reviewed and scientific edited conference proceedings (3). Papers published in scientific journals refereed and indexed in Web Sci and Scopus are 19. The quartile ranking of the journals is as follow Q1 (2), Q2 (6), Q3 (7) and Q4 (4): *RSC Advances, Forensic Sci. Intern., Chem. Centr. J., Inorg. Chim. Acta, Chirality, Cent. Eur. J.*

Chem., Open Chem., Anal. Lett., J. Drug Deliv. The candidate is the lead author (first author and/or corresponding author) in 12 articles. The total number of noticed citations is 336, exclude self-citations (251 in Scopus). The citations of the articles submitted for the competition are 40 noted citations (28 in Scopus). The candidate is a head of 3 scientific projects and participated as a researcher in 7 scientific projects. The scientific results have been presented in significant number on scientific forums: 16 national and 30 international conferences (20 oral presentations and 26 poster presentations).

The candidate presents a list of significant scientific contributions and I accept the contributions which are listed by the candidate in the following scientific research topics: (i) *(Bio) Coordination Chemistry* (complexes of natural bioactive substances; biological activity of metal complexes of natural antibiotics; complexation reactions of ionophore antibiotics in solution; metal complexes of acetylcholinesterase reactivators) and (ii) *Bioanalytical Chemistry* (properties of vipoxin-isolated phospholipase A2; oral fluid as an object of study in forensic toxicology; anesthetics and psychoactive substances).

The presented monograph “The Diversity in the Properties of the Natural Antibiotic Monensin” is based on 6 publications in which the candidate is a lead researcher. The presented work is in a clearly defined area and with the candidate's own achievements.

The documents presented in the competition give grounds for Assoc. Prof. Ivayla Pantcheva to be defined as an established scientist and lecturer with authority in the academic and scientific community, with a clear field of research and original scientific contributions. The overall publishing activity, the participation in scientific forums, the management and participation in scientific projects, international cooperation, as well as the teaching activity as a scientific supervisor of doctoral students and graduates are indicators for high evaluation of the candidate's experience, qualification and academic qualities.

In conclusion, I believe that research and teaching activity of Assoc. prof. Ivayla Nedyalkova Pantcheva-Kadreva responds to the announced scientific specialty of competition, fulfills the recommendations of the Act for the Development of the Academic Staff in the Republic of Bulgaria and to the Regulations for the Application of the Act for the Development of the Academic Staff in the Republic of Bulgaria and fulfill the criteria of the Regulation on the Terms and Conditions for Awarding of Academic Degrees and holding an Academic Posts at Sofia University.

As a result of the above, I give a positive assessment and recommend to the honorable Academic board of examiners to propose to the Faculty council of Faculty of Chemistry and Pharmacy, Sofia University St. Kliment Ohridski, **Assoc. prof. Ivayla Nedyalkova Pantcheva–Kadreva** to be elected for the academic post “**Professor**” of **Analytical Chemistry** in the area of higher education 4. Natural Sciences, Mathematics and Computing, professional field **4.2 Chemical Sciences**.

16th October 2020
Sofia

Signature:
/ Prof. Anely Nedelcheva, PhD /