

REPORT

by Assoc. Prof. Albena Detcheva-Tchakarova

IGIC-BAS

concerning competition for a Half-Time Associate Professor position in
professional field 4.2. Chemical Sciences (Analytical Chemistry)
for the needs of Faculty of Chemistry and Pharmacy at Sofia University “St. Kliment
Ohridski”, published in „*State Gazette*”, issue 100/16.12.2022

The only applicant in the competition is Assistant Prof. Dr. **Boika Kuncheva Zlateva** from the Faculty of Chemistry and Pharmacy at Sofia University “St. Kliment Ohridski”, Department Analytical Chemistry.

Assistant Prof. Dr. **Boika Kuncheva Zlateva** has provided all necessary documents in accordance with the Regulations for the implementation of the Law for development of the academic staff in Republic of Bulgaria. The set of documents is prepared carefully and provides clear information about the results of her scientific research and pedagogical activity.

Boika Zlateva graduated from the Faculty of Chemistry at Sofia University “St. Kliment Ohridski” (present Faculty of Chemistry and Pharmacy) in 1997 as a Master of Organic and Analytical Chemistry, and in 2003 successfully defended her PhD-Thesis at the same institution.

During the period 1997-2001 she worked at the Ministry of Agriculture, Sofia. After that she worked as a lecturer and researcher at the Department Analytical Chemistry occupying consequently the positions Chemist, Chief specialist, Assistant and Senior assistant (2002-2006). Since 14.03.2006 till now she is Assistant Professor and works as lecturer in Instrumental methods of analysis (lectures and practice), Analytical chemistry (lectures and practice) and Archaeometry. Her scientific research is in the field of application of instrumental analytical methods in archaeology. For the same period she is supervisor of four diploma dissertations. Furthermore since 01.08.2019 till now she works as Researcher second level (R2) at the Faculty of History at Sofia University “St. Kliment Ohridski”, Department Archaeometry.

The applicant has presented a list of altogether 43 scientific works, including those in her PhD-Thesis. Assistant Prof. Dr. **Boika Zlateva** is co-author of 28 publications in scientific journals (15 of them - in SCOPUS database), 4 publications in scientific series, one study in

scientific series, 6 publications in conference proceedings and 4 book chapters. A list of 63 participations in national and international scientific meetings is also presented.

The results, obtained and published by Assistant Prof. Dr. **Boika Zlateva** have found good response in scientific references. The total citation number (excluding self-citations of all co-authors) is 75 (64 from them in SCOPUS). The H-index of Assistant Prof. Dr. **Boika Zlateva** is 5.

For the application in the present competition, Assistant Prof. Dr. **Boika Zlateva** has presented a Habilitation thesis entitled “ARCHAEOLOGICAL ANALYSIS OF METALS USED FOR CRAFTING OF BELT ACCESSORIES AND COIN TREASURES IN BULGARIA” based on four of her scientific publications and one book chapter. Two of the articles have Impact factor and Quartiles Q1, the third one has Quartile Q3. Subject of the Habilitation thesis is the archaeometric analysis of metals in belt accessories and coin treasures from different historical ages.

The candidate applies for the present position with 18 scientific works which are not included in her PhD-Thesis (in 2003). The scientific works include 15 scientific articles (7 from them in SCOPUS database) и 3 book chapters.

Among the journals, where the applicant has published her scientific works on the subject of the present competition, are the renowned *Mediterranean Archaeology and Archaeometry* (Q1, SCOPUS), *STAR: Science & Technology of Archaeological Research* (Q1, SCOPUS), *Journal of Environmental Radioactivity* (Q2, SCOPUS), *Comptes rendus de l'Acad'emie bulgare des Sciences* (Q2, SCOPUS) etc. The investigations are in the field of archaeometry and modern instrumental methods of analysis.

Archaeometry is a modern interdisciplinary scientific field which requires good understanding of contemporary instrumental methods of analysis, and, on the other hand, specific knowledge concerning the analysis of artefacts of different kind and origin.

The archaeometric investigation of archaeological finds by means of new contemporary instrumental methods of analysis can give us additional and different kind of information. These results cannot be achieved only by means of the archaeological science. The interdisciplinary studies complete and give more opportunities to interpret archaeological data with respect to origin of raw materials, ancient technologies and production of artefacts.

Fulfilling of minimal requirements according to the Recommended criteria of the Faculty of Chemistry and Pharmacy – Sofia University “St. Kliment Ohridski” by Assistant Prof. Dr. *Boika Zlateva*:

According to indexes group **A(1): 50** points (required **50** points);

According to indexes group **B(4): 100** points – book chapter is 15, but not 25 points!
(required **100** points);

According to indexes group **Г(7): 224** points – book chapter is 15, but not 25 points!
(required **220** points);

According to indexes group **Д(11): 110** points (required **70** points);

According to indexes group **Ж(21,22,23,25): 145** points (required **70** points).

The above gives me the reason to estimate highly the scientific and professional level of Assistant Prof. Dr. **Boika Zlateva** even more that her scientific works are peer-reviewed in renowned journals. The publications provided by the applicant represent original investigations with significant contribution to the field of archaeometry and modern instrumental methods of analysis.

Conclusion: The only candidate in the competition Assistant Prof. Dr. **Boika Kuncheva Zlateva** meets and exceeds the minimal requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, as well as the enhanced criteria of the Faculty of Chemistry and Pharmacy – Sofia University “St. Kliment Ohridski” for acquiring the Associate Professor position. This gives me the reason to recommend Assistant Prof. Dr. **Boika Kuncheva Zlateva** to be elected as a **Half-Time Associate Professor** in the professional field 4.2 Chemical Sciences (Analytical Chemistry).

Sofia, 03.04.2023

Reviewer:

/ Assoc. Prof. Albena Detcheva-Tchakarova /