



OPINION

regarding the competition for "Associate Professor" in the scientific specialty "Soil Science", announced in SG no. 98 / 17.11.2020 with candidate Chief Assistant Professor Violeta Stelianova Valcheva, PhD

prepared by Prof. Dr. Maria Grozeva Sokolovska, appointed a member of the scientific jury according to Order № RD-16-52 / 22.01.2021 of the Rector of the Agricultural University - Plovdiv

1. Brief introduction of the candidate.

Chief Assistant Professor Violeta Steliyanova Valcheva, PhD, completed her secondary education in 1998 at "Hristo G. Danov" School, Plovdiv. In 2003 she graduated with a bachelor's degree in Agrarian Economics, and in 2005 she obtained a Master's degree in Accounting and Control at the Agricultural University of Plovdiv. In the period 2006-2011 she was a doctoral student at the Department of "Agrochemistry and Soil Science" and developed a dissertation on "Influence of the content, forms and dynamics of calcium and magnesium on the acid-base balance in carbonate-free soils." After successful defense of the dissertation, in 2011, she acquired PhD in "Soil Science" - Diploma № DR 007 / 24.10.2011 from Plovdiv Agrarian University. From 2008 to 2011 she worked as an assistant, and from 2011, after a competition, as a chief assistant professor in "Soil Science" at the Department of "Agrochemistry and Soil Science" at Plovdiv Agrarian University. She uses and speaks two languages: Russian and English. She has skills in working with mapping programs, large-scale imaging, three-dimensional visualization of soil and landscape reclamation sites, competencies in the use of various statistical software products and digital libraries.

2. General description of the scientific production.

In the current competition for "Associate Professor" Chief Assistant Professor Dr. Violeta Valcheva participates with **31 scientific papers**. The scientific papers in the nomenclature specialty in the general list provided by the candidate are grouped as follows:

- *Scientific publications in the nomenclature specialty - 34 pieces, of which:*
 - Publications related to the doctoral dissertation - 3 pieces that are not subject to review;
 - Publications with impact factor - no
 - Publications in peer-reviewed and referred scientific journals - 21 pieces;
 - Publications in conference proceedings - 10 pieces;
 - Textbooks - none.
 - Manuals - 1 piece, which is not subject to review

The scientific papers presented by the candidate, indicated in the "Individual reference", cover the minimum national requirements to the scientific and teaching activity for acquiring the academic position "Associate Professor" (Appendix to art. 1a, para 1) - 35 pieces (455.65 points), from which 10 pieces on indicator „B4“ of Regulations for application of the law for development of the scientific staff in the Republic of Bulgaria (169.5 points), 21 pieces on indicators „Г7“ and „Г8“ of Regulations for application of the

law for development of the scientific staff in the Republic of Bulgaria (236.15 points). The total number of points by groups of indicators is 505.65, with a required minimum of 400.

31 scientific publications are subject to analysis for the preparation of the opinion. The personal participation of Chief Assistant Professor Dr. Valcheva in these 31 materials is illustrated by the fact that in 3 she is a single author, in 12 – she is the first author, in 11 – is the second, and in the remaining 5 – is the third and subsequent author. English language publications predominate (19 pieces).

Chief Assistant Professor Dr. Valcheva has participated in a significant number of Bulgarian and international scientific forums, having prepared and presented 5 oral and 22 poster presentations.

3. Teaching activity.

The total teaching experience at the Agrarian University - Plovdiv of Chief Assistant Professor Dr. Valcheva, at the moment, is estimated at 12 years, passed entirely in the Department of Agrochemistry and Soil Science. Her teaching employment has been declining in recent years in terms of lectures and exercises. Her teaching activity is complemented by joint work with students and supervising of graduates, internships, internships in the taught disciplines.

Educational employment of the candidate.

For the last five years (the period from 2015/2016 to 2019/2020), of which one year of maternity, Chief Assistant Professor Dr. Valcheva has a total of 2 560.9 teaching hours of lectures, exercises and extracurricular activities in the Bachelor's and Master's degrees, which makes an average of 640 hours per year.

The teaching activity is complemented by the supervising of 5 bachelors and masters, who have successfully defended their diploma works.

Published teaching materials.

Chief Assistant Professor Dr. Valcheva is a co-author of a university Manual that is used in the school network (indicator "E23" of PPZRASRB) - "Guidance for Exercises in Soil Science" (2017) published by the Academic Publishing House of the Agrarian University - Plovdiv.

Developed curricula.

There are none.

4. Research activity.

Areas of publication.

The research activity and the publications of Chief Assistant Professor Dr. Valcheva treats issues in several areas: studies related to the study of soil acidity in vineyards, studies on the specifics of terroir in relation to the creation and cultivation of vineyards and some perennials, studies related to the study of soil acidity under lavender fields.

I accept the presented list of contributions, which are divided into two groups: scientific contributions - 9 and scientific-applied contributions - 2.

References and abstracting scientific research.

In the materials submitted by the candidate, a total of 8 positive citations (group of indicators "Д") are indicated, supplemented by me with 3 more at 11 references. Most of