



OPINION

Regarding a competition for an "associate professor" in the scientific specialty Special Branches (sericulture), announced in SG no. 30/04/04/2023 with candidate Chief Assistant Professor Krasimira Ljubenova Avramova

by Prof. Svetlana Yordanova Georgieva, scientific specialty Genetics, Faculty of Agriculture, Trakia University - Stara Zagora, appointed according to Order No. RD 16-650/ 01.06.2023 of the Rector of the University of Agriculture - Plovdiv as a member of the scientific jury.

1. Brief introduction of the candidate.

Krasimira Ljubenova Avramova was born on 29.10.1983. She completed her higher education and obtained a BA in "Agronomy (Field Farming)" at the Agricultural University, Faculty of Agronomy, Plovdiv in 2006. She holds a Master's degree in "Sustainable Land Management" with a diploma from the Agricultural University. From 2008 to 2011 is a full-time doctoral student in Special Branches (Sericulture) in Agricultural University, Faculty of Agronomy, Department of Animal Science Plovdiv city. She successfully defends a dissertation for the acquisition of a PhD on the topic "Possibilities for year-round provision of seed pods from the mulberry silkworm *Bombux Mori* L." In 2009 she has conducted a Specialization in Sericulture at the Council of Research and Experiments in Agriculture Agriculture and Sericulture Unit of Bologna, Padua Italy. Since 2013 until now she is Chief Assistant Professor at the Agricultural University, Faculty of Agronomy, Department of Animal Husbandry Sciences, Plovdiv

2. General description of the scientific production.

In the competition for "Associate Professor" Chief Assistant Professor Krasimira Ljubenova Avramova participated with a total production of 30 works, grouped as follows:

Scientific publications on the nomenclature specialty - 26 issues, of which: - Publications related to the doctoral dissertation - 4 issues, which are not subject to consideration; - Publications with an impact factor – 3 items - Publications in peer-reviewed and refereed scientific journals – 13 issues; - Publications in conference proceedings – 10 issues; The personal participation of Chief Assistant Professor Krasimira Avramova in the mentioned works is illustrated by the fact that 4 are independent, in 6 she is the first author, in 5 she is the second, and in the remaining 11 scientific works she is the third and subsequent author.

- Book based on a dissertation - Possibilities for Year-round Seed Supply of the Silkworm (*Bombyx mori* L.) ISBN: 978-619-7554-22-9

To prepare the opinion, 26 scientific publications are subject to analysis.

3. Teaching activity.

Chief Assistant Professor Krasimira Avramova has more than 11 years of teaching experience. Over the past 5 years, she has conducted a total of 3182 hours (lectures, exercises, extracurricular activities) with students from the Bachelor's and Master's Colleges in AU, Plovdiv. The teaching activity is complemented by the guidance of three graduates who have successfully defended their bachelor's degree and 20 defended master's degree.

4. Scientific research activity.

Areas of publication.

The research and publication activity of the Chief Assistant Professor Krasimira Avramova are entirely in the field of sericulture. It also includes: 1. Analyzes of the state and problems of

sericulture in the countries of Europe, the Caucasus, Central Asia, etc.; 2. Research, testing and creation of new silk worm hybrids; 3. Studies of genetic polymorphism and genetic structure of silk worm populations; 4. Analyzes of the condition and problems of the mulberry plantations available in Bulgaria, recommendations regarding their conservation and more efficient use. 5. Influence of biotic and abiotic factors on the development, adaptability and productivity of the silkworm. 6. Diversification of sericulture products and their market realization, and others.

Citation and referencing of scientific production.

The scientific developments of the associate professor candidate are cited in two publications, referenced and indexed in Scopus and 9 citations in monographs and collective volumes with scientific review.

Participation in scientific projects.

Chief Assistant Professor Krasimira Avramova has participated in a total of 8 projects, 7 of which are educational, and 1 "Changes in the biological characteristics of the Blackberry silk butterfly (*Bombux mori* L) under the influence of forage collected from areas with a high content of heavy metals in the soil (131-2012/ 2013)" is research-based.

5. Scientific and applied contributions:

As a result of her research activity, the associate professor candidate presented 12 scientific and applied contributions, which I fully accept. Based on the research and analysis, she gives important recommendations for the development of gardening in Bulgaria and other developing countries in Europe and the world.

6. Notes and recommendations.

I recommend to Chief Assistant Professor Krasimira Avramova to continue working in her field with desire and enthusiasm and to strengthen her aspiration to publish in journals referenced and indexed in the world-famous databases of scientific information.

7. Conclusion.

Based on the analysis of the pedagogical, scientific and scientific-applied activities of the candidate, I believe that Chief Assistant Professor Krasimira Avramova fulfills the requirements of the ZRASRB, PPZRASRB and the Regulations of the Agrarian University for its application for occupying the academic position of associate professor. The materials presented for evaluation are proof that she is a specialist with competences in the sericulture.

All this gives me reason to positively evaluate her overall activity. I take the liberty of proposing to the honorable Scientific Jury to also vote positively, and the Faculty Council of the Faculty of Agronomy at the Agrarian University - Plovdiv to elect the Chief Assistant Professor Dr. Krasimira Ljubenova Avramova for "associate professor" in the scientific specialty Special Branches (Sericulture).

Date: 10.07.2023

PREPARED THE OPINION:.....

