



EXPERT OPINION

About: Competition for the academic position "Associate Professor" in higher education 6. Agricultural sciences and Veterinary medicine; professional field 6.1 Crop production; scientific specialty "Agrochemistry", announced by Agricultural University-Plovdiv in State Gazette № 62 / 21.07. 2023

Candidate for the competition: Chief Assistant Professor Nedyalka Nikolova Yordanova, PhD

Prepared expert opinion: Prof. Nurettin Tahsin Tahsin, PhD, Agricultural University, higher education 6. Agricultural sciences and Veterinary medicine; professional field 6.1 Crop production; scientific specialty "Crop production", determined as a member of the scientific jury, according to Order №RD-16-903/25.09.2023 of the Rector of Agricultural University - Plovdiv.

1. Brief introduction of the candidate

Nedyalka Nikolova Yordanova was born in 1979 in Asenovgrad town. In the period 1998 - 2002, she was a student in Bachelor's degree "Agronomy - Field Science". In 2003, she graduated a Master's degree in Plant Biotechnology from the Agricultural University - Plovdiv.

In 2007, she was appointed as an Assistant Professor, in 2010 as a Senior Assistant Professor, and from 2011 to present she is working as Chief Assistant Professor in the Department of "Agrochemistry and Soil Science" at the Agricultural University - Plovdiv.

In 2012, she graduated PhD degree in the scientific specialty "Crop production" on the topic "Comparative study of new varieties of wheat, grown independently and in a strip crop with sunflower".

Chief Assistant Professor Nedyalka Yordanova is fluent in French and English, both written and spoken. As a lecturer, she has very good communication skills and very good pedagogical skills. Works well in a team, shows ethics, understanding and tolerance towards colleagues and students.

2. General description of the scientific work

For the participation in the present competition, Chief Asst. Prof. Nedyalka Nikolova Yordanova presented a scientific works of 35 publications and 1 book, grouped as follows:

She has presented scientific works in the nomenclature specialty - 36 publications, of which:

- Publications related to the PhD degree - 8 publications and for Chief Assistant Professor - 1 publication, which are not subject to consideration.

- Publications referenced and indexed in world famous databases with scientific information - 7.

- Publications with an impact factor - 3.

- Publications and reports published in scientific publications, referenced and indexed in world-famous databases with scientific information - 7.

- Publications in non-refereed peer-reviewed journals or published in edited collective volumes - 9.

- Published book based on a dissertation work for awarding the educational and scientific degree "PhD" - 1.

Scientific papers have been published in Bulgarian Journal of Agricultural Science, ISSN: 1310-0351, SJR: 0.22; Q3 - 1 publication, „Agronomy Research“, ISSN: 1406-894X, SJR: 0.29, Q3; - 2 publications, „Journal of Mountain Agriculture on the Balkans“ - 3 publications, „Bulgarian Journal of Crop Science“ - 2 publications and other renowned Bulgarian and foreign issues.

The candidate Chief Asst. Prof. Nedyalka Yordanova has published a chapter of a collective monograph - 1, and participated in 7 international scientific conferences.

The personal participation of Chief Asst. Prof. Nedyalka Yordanova in the mentioned 35 publications is illustrated by the fact that in 10 she is the first author, in 8 she is the second author, and in the remaining 17 she is the third and subsequent author.

To prepare the opinion, 27 scientific publications on the nomenclature specialty are subject to analysis.

3. Scientific research activity

Field of publication

Chief Asst. Prof. Nedyalka Yordanova works and publishes the results of her research work mainly in the following fields:

- Studies related to the influence of fertilization on the productivity and quality of plant production in various agricultural crops.

- Studies related to changes in the reuse of stalk stocks of wheat and barley when the donor-acceptor ratio is changed, as a result of the reduction of the class (acceptor).

- Studies related to the suitability of terrains for growing perennials.

The experiments carried out in the research work were methodically correctly set up and conducted, and the results obtained from them were discussed profound and at a high scientific level.

Based on the long-term scientific and research work, 8 scientific-theoretical and 13 scientific-applied contributions have been formulated. They correctly reflect the results obtained from the conducted studies and I have accepted the reference prepared by the candidate.

She has been the academic supervisor of 7 graduating student, 5 of whom have successfully graduated.

Citation and referencing of scientific work

The general assessment of the research work of Nedyalka Nikolova Yordanova is positive, which is complemented by the noted citations of her publications by other authors. They are a scientometric indicator with minimum requirements corresponding to a sum of 50 points. The candidate has presented 4 citations in the world-famous databases Scopus and Web of Science, and the sum of the points is above the minimum requirements for this indicator.

Participation in scientific projects

Chief Asst. Prof. Nedyalka Yordanova, took part in 1 national project, 3 internal research projects and 12 implementation projects as one of them was financed by the Ministry of Education and Science - Bulgaria, 3 projects by Centre of research, technology transfer and protection of intellectual property rights at the Agricultural University, 5 by "Timak Agro" and other companies.

Based on my general assessment, I highly appreciate the teaching and scientific activity of Chief Asst. Prof. Nedyalka Yordanova. It is characterized by an intensive teaching process and its provision with appropriate learning materials, as well as efforts to procure funds for research work.

4. Conclusion

In conclusion, I believe that the overall teaching and research activity, the contributions to science and practice, as well as the experience and authority of the candidate in the competition for "Associate Professor" in the scientific specialty "Agrochemistry" made a positive impression. This gives me reason to **vote "YES"** and I suggest that the members of the Scientific Jury give their positive vote for the candidacy of Chief Asst. Prof. Nedyalka Yordanova, and that the Faculty Council of the Agronomy Faculty at the Agricultural University - Plovdiv will choose her for an **"ASSOCIATE PROFESSOR"** in the scientific specialty **"Agrochemistry"**.

16.10.2023 г.

Agricultural University - Plovdiv

Prepared expert opinion:

/Prof. Nurettin Tahsin Tahsin, PhD/

