



OPINION

on a competition for the academic position of "Associate Professor" in the scientific specialty "Mechanization and electrification of plant growing", announced in SG No. 35 / 27.04.2021 with candidate Ch. Assistant Professor Dr. Eng. Manol Angelov Dallev from the Department of "Mechanization of Agriculture" at the Agricultural University – Plovdiv,

from Prof. Dr. Eng. Violeta Dimitrova Rasheva, appointed according to Order № RD-16-745 / 30.06.2021 of the Rector of the Agricultural University - Plovdiv as a member of the scientific jury

1. Brief introduction of the candidate.

Ch. Assistant Professor Manol Dallev is the only candidate for the competition. He graduated with a bachelor's degree in 2006 at the Agricultural University - Plovdiv (AU-Plovdiv) with speciality "Agricultural Engineering" and a Master's degree in 2007 with speciality "Landscape Design" from the same university. In 2007 the candidate completed a course with professional qualification "Computer Operator" with speciality "Word Processing" at the Vocational Training Center "Kras", and in 2008 - a two-year course with professional qualification "Teacher" at AU-Plovdiv. Ch. Assistant Professor Manol Dallev started working at AU-Plovdiv as an "assistant" in the Department of "Agricultural Mechanization" on September 1, 2011. In 2013 he successfully defended his PhD thesis at the same university and obtained the PhD degree in the professional field 5.13 "General Engineering", and from 01.06.2015 he was promoted as "chief assistant" in the same department. His total work experience as a lecturer at AU-Plovdiv is 9 years and 10 months as of the date of issuance of the certificate - 01.07.2021. In his work the candidate uses various computer programs (Word TM; Excel TM; Picture, Power Point), as well as software for 3D design (SolidWorks, AutoCAD, CATIA), and for statistical data processing. He speaks English and Russian at A2 level.

2. General description of the scientific production.

In the competition for the academic position of "Associate Professor" Ch. Assistant Professor Manol Dallev participates with a total production of 31 scientific works, grouped as follows:

- ❖ *Scientific papers on the nomenclature specialty - 30 pieces, including:*
 - *Papers related to the PhD thesis - number four, which are not subject to analysis in this opinion. The minimum required by the "Regulation for Development of the Academic Staff in the Republic of Bulgaria (RDASRB)" 50 points on indicator A have been fulfilled;*
 - *Papers in journals, referenced and indexed in the world-famous databases with scientific information WoS and Scopus - twenty-one, as ten of them are presented as papers under indicator B "Habilitation work", and the remaining eleven - under indicator D according to the minimum national requirements of RDASRB;*
 - *Papers with impact factor - number four, with a total impact factor 12.109. Two citations with impact factor and impact rank are also presented.*
 - *Papers in peer-reviewed and referenced scientific journals - three;*
 - *Papers in conference proceedings - two;*

The personal participation of Ch. Assistant Professor Manol Dallev in these 25 papers is illustrated by the fact that in eight papers he is the first author, in other ten - the second author, and in the remaining seven papers he is the third and next author. I accept that the contribution of all authors is equal because a separation protocol between the authors of the submitted publications is not attached to the materials of the competition.

I have not found information about the presence of plagiarism, and the applicant has applied the "Declaration of originality and authenticity", in which he stated that the results and contributions in the scientific production submitted under the procedure are original and are not borrowed from research and publications in which he does no participation.

❖ *Textbooks - one published book on the basis of a defended PhD degree, of which the candidate is the sole author.*

❖ *Study guides - no.*

Twenty and six papers are subject to analysis for the preparation of this opinion. The book, published on the basis of a defended PhD thesis was reviewed before its publication, but it will also be taken into account when forming the overall evaluation of the materials for the competition. The candidate has fulfilled 165 points with 10 papers on indicator B4 "Habilitation work - scientific papers (not less than 10) in issues that are referenced and indexed in world-famous databases of scientific information" at minimum of 100 required points, and on indicator D 245.18 points have been fulfilled with a required minimum of 200 points.

3. Teaching activity.

Ch. Assistant Professor Manol Dallev has been a lecturer at the AU-Plovdiv since September 1, 2011, and has been working as assistant and chief assistant consistently.

Applicant's pedagogical activity.

Over the last 5 school years from 2015 to 2020 inclusive, it has a total of 2920.3 hours of classroom and extracurricular activities, 322 hours of which are lectures, 1724 hours - exercises and the rest are extracurricular activities. His teaching activity is complemented by the leadership of the diploma theses of twenty-six successfully defended graduates of Bachelor's and Master's degrees. All this is evidence of enough accumulated teaching experience and ability to work independently with students.

4. Research activity.

Areas of publications.

The scientific production of Ch. Assistant Professor Manol Dallev is entirely focused on the topic of the competition and can be classified into several sections: research related to tillage; research related to precision agriculture; research related to the construction of agricultural machinery; technological research related to the use of ultrasound and technological research related to the utilization of renewable energy sources.

Citation and referencing of scientific production.

The list of observed citations includes seven citations in publications in Bulgaria and abroad of four of the papers submitted by the candidate in the competition, and two of these citations have an impact factor or impact rank, respectively. This information shows that the scientific production of the candidate has become known to the Bulgarian and international scientific community. The fact that 21 of the 25 papers submitted by the candidate in the competition are published in editions indexed in the global databases

Scopus and WoS also contributes to this. On the indicator E, the candidate has completed 70 points at a minimum of 50 points required by the RDASRB.

Contributions of scientific production.

I accept the candidate's claim for the presented scientific and applied contributions, but I think they could be grouped and summarized further.

Participation in research projects.

Information for participation of Ch. Assistant Professor Manol Dallev in five scientific projects funded by AU-Plovdiv is applied, and some of the papers submitted in the competition are prepared in connection with the work on these projects. An assignment order from Agricultural academy - Sofia for the participation of the candidate in the development of an ongoing scientific project on the topic "Natural ingredients usage for creation of functional foods" is also submitted. The applicant has also carried out four Erasmus teaching mobility courses at universities in Portugal, Hungary, the Czech Republic and Italy, three of which are for educational purposes and the last one is for teaching purposes. The participation in the work on these projects and the mobilities under the Erasmus program testify to the skill of Ch. M. Dallev to work in a team with other researchers from the university and outside it, as well as his desire to enrich his experience and knowledge in a number of European universities.

5. Remarks and recommendations.

I believe that based on the experience gained in his teaching and research activities, the candidate should focus his efforts in his future work not only on participation in projects led by other teachers, but also on the management of such projects and publishing independent publications.


6. Conclusion.

Based on the analysis of the pedagogical, scientific and scientific-applied activity of the candidate, I consider that Ch. Assistant Professor Dr. Eng. Manol Angelov Dallev fully meets the requirements of the "Law for development of the academic staff in the Republic of Bulgaria", the "Regulation for application of the law for development of the academic staff in the Republic of Bulgaria" and the Regulation of the Agricultural University - Plovdiv for its application, fulfilling the necessary minimum requirements for all its indicators.

All this gives me reason to evaluate **POSITIVELY** his overall activity.

I allow myself to suggest to the esteemed Scientific Jury also to vote positively, and the Faculty Council of the Faculty of "Viticulture and Horticulture" at the Agricultural University - Plovdiv to elect **Ch. Assistant Professor Dr. Eng. Manol Angelov Dallev** for "**Associate Professor**" in the scientific specialty "**Mechanization and electrification of plant growing**".

Date: 12.08.2021
Town of Plovdiv

PREPARED THE OPINION: 
(Prof. Dr. Eng. Violeta Rasheva)