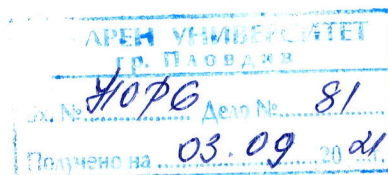


## PERSONAL OPINION



**With relation to the competition for holding the academic position of “Associate Professor” in the scientific specialty *Mechanization and Electrification of Plant Science* announced in State Gazette, edition 35 from 27.04.2021, with a candidate – chief assistant eng. Manol Angelov Dallev, PhD, from the Agricultural University – Plovdiv (AU - Plovdiv), according Order № ПД – 16-745 /30.06.2021 of the Rector of AU – Plovdiv for members of the scientific panel**

The submitted materials of chief assist. eng. Manol Angelov Dallev, PhD, for participation in the present competition for the academic position of “Associate Professor” correspond to the requirements of the Act for Development of the Academic Staff in the Republic of Bulgaria (ADASRB), as well as the Regulations for acquiring scientific degrees and holding academic positions in AU – Plovdiv. The reliability of the presented materials is supported with a declaration for information authenticity, signed by the candidate.

### **1.Short introduction of the candidate.**

Chief assist. eng. Manol Angelov Dallev, PhD, was born on 19.01.1984 in the town of Parvomay, Plovdiv Region. In 2006 he graduated from AU – Plovdiv with a bachelor degree in Agrarian Engineering. In the period from 2006 to 2007 he was enrolled in the master program Landscape Design in the same university. He obtained excellent grades in both educational degrees.

From 2008 to 2011 he was a full-time doctoral student in the Department of Agricultural Mechanization at AU – Plovdiv.

In 2011 he was appointed a professor assistant, and since 2015 he has been working as a chief assistant in the Department of Agricultural Mechanization in the Faculty of Viticulture and Horticulture.

In 2013 he successfully defended his dissertation work entitled “Studying a Working Body for Surface Soil Tilling”. He obtained the scientific degree of “Doctor” in the scientific specialty “Mechanization and Electrification of Plant Science”

Simultaneously, the candidate constantly increases his qualifications through specializations and trainings, being obvious from the submitted applications. He speaks English and Russian. He has been chosen as a member of the academic bodies of management at AU – Plovdiv (the Academic Council, the Faculty Council, the Social Commission of AU). He is a member of the Scientific-technical Union for Mechanization.

### **2. General description of the scientific research production.**

With relation to his research and teaching work in the scientific specialty “Mechanization and Electrification of Plant Science”, field of higher education: 5. Technical Sciences, professional area: 5.13. General Engineering, the candidate meets the minimum national requirements and the requirements from the Regulations for Development of the Academic Staff in AU – Plovdiv for number of points in the relevant group of indicators for the academic position of “Associate Professor”. The total number of points are 560.18 out of 400, proved by the corresponding documents.

Manol Dallev, PhD, participates in the present competition with total production of 32 works, grouped as follows:

- ❖ Scientific publications in the nomenclature specialty – 32:
  - Publications, related to the doctoral dissertation – 5 /which are not subject of analysis/;
  - Impact factor publications – 4;



- Research publications in referenced and indexed world databases with scientific information – 21;
- Publications in non-referenced journals with scientific reviewing or in editorial collections – 5;
- ❖ A published book based on the dissertation work – 1.

The personal participation of the candidate in the above mentioned publications is evidenced with the fact that in one of them he is an individual author, in 8 – a first author, in 10 – a second author, and in the rest 8 – a third or subsequent author. 4 of them are in Bulgarian language and 23 – in English. Therefore, I assume that the extent of participation in the competition is high and equal to that of the rest authors in the group.

27 works are subject of analysis for the present personal opinion.

### **3. Teaching work.**

#### *Teaching work load.*

Chief assistant eng. Manol Angelov Dallev teaches in the following disciplines: Agricultural Machinery, Machinery for Soil Tilling and Crop Cultivation, Machinery for Plant Protection and Fertilization, Machinery for Meliorations and Irrigation, Specialized Machinery for Ornamental Horticulture, Hydro-driving.

He reads lectures of Agricultural Machinery to bachelor students studying Agronomy – Tropical and Subtropical Agriculture and lectures of Hydro-driving to undergraduate students in Agrarian Engineering. He leads seminars of Machinery for Plant Protection to students in Master's degree programs.

His contact lectures and seminars from 2015 to 2020 are 2920,3 hours, or average - over 584 per year. In addition to his teaching work, chief assistant eng. Manol Dallev, PhD, has been a scientific supervisor to graduates, who have successfully defended their diploma theses. The check-up provided by the Faculty of Viticulture and Horticulture approved the supervision of 16 bachelor graduates, the Faculty of Plant Protection and Agro-ecology – 1 bachelor graduate, as well as 4 master graduates.

The candidate has improved his teaching and methodologic work with the participation in ERASMUS teaching mobilities in the Polytechnic University of Portalegre – Portugal, the University of Pannonia – Hungary, the Czech University of Life Sciences – the Czech Republic, the University of Perugia – Italy.

*The candidate has good preparation on the use of modern teaching methods and sources. The Department of Mechanization has provided the necessary academic hours for covering the teaching work load for holding the academic position of "Associate Professor". I evaluate the teaching and pedagogical work of chief assistant eng. Manol Angelov Dallev, PhD, as very good.*

### **4. Scientific research work.**

#### *Fields of publishing.*

The scientific interests and research of chief assistant eng. Manol Dallev, PhD, are in the field of the announced scientific specialty. They are directed towards: increasing the soil fertility through management of the aggregate composition of soil and preventing it from erosion; examination and improvement of constructions for agricultural machinery aiming at soil parcellation; studies on the quality of mechanized probation of agricultural crops; studies and use of agro-technical methods for seed working and planting material production; technological developments related to renewable energy sources and the use of waste biomass from agricultural production, as well as maintenance and improvement of the technological condition of the energy sources used in agriculture.



I accept the proposed contributions in the scientific publications of chief assistant eng. Manol Dallev, PhD, and I define them as scientific, applied and methodological.

The significance of the candidate's contributions finds expression in enrichment of theory and practice in the field of mechanization and electrification of agricultural machinery in plant science.

M. Dallev, PhD, has the necessary skills and experience to work with modern instruments for conducting scientific research and teaching work with students.

The scientific publications are related to the announced scientific specialty and they are published in referenced and indexed world databases with scientific information. The candidate has submitted a reference for 4 impact factor publications in SCOPUS and Web of Science.

There have been submitted 3 certificates for an author and copyrights for the following: application of moisture absorbing polymer on apple trees; application of natural humates in the production of apple rootstocks; application of pyrolysis residue in the production of apple rootstocks.

#### *Citations and referencing of the scientific production.*

There has been submitted a reference for 7 citations in Bulgarian impact factor journals and international editions.

The candidate has correctly relied on research and results from foreign research papers. There is no information and I have not established elements of plagiarism or incorrect referencing.

#### *Participation in research projects.*

The submitted reference gives evidence that the candidate for the academic position of "Associate Professor" is a member of the teams of 6 research projects, which is a prerequisite for the development and realization of his scientific research work.

*The subject-matter of the submitted scientific publications is topical and significant for science and practice. Modern instruments have been used for providing scientific research. The received results have scientific and applied contributions for theory and practice enrichment in the field of agricultural mechanization, technologies and agro-ecology.*

*Chief assistant eng. Manol Angelov Dallev, PhD, follows the new achievements in science in our country and abroad, which allows him to learn and discover new problems, to analyze them, as well as to evaluate correctly his own scientific achievements and those of the teams he works in.*

### **5. Marks and recommendations.**

1. To publish individually the results of his scientific research work in international impact factor journals, which will increase the candidate's citation and popularity.
2. To be more active as a leader of international research projects.
3. To enhance his work as a scientific supervisor of doctoral students.

### **6. Conclusion.**

On the base of the conducted analysis of the candidate's teaching, scientific and applied work, I consider that chief assistant eng. Manol Angelov Dallev, PhD, meets the requirements of ADASRB, the Regulations for Application of ADASRB and the Regulations of AU for its application. The submitted scientific and applied production proves that the candidate is a developed scientist, capable of choosing, formulating and solving specific problems, to combine the teaching work with the scientific research work. Taking into account the results from the scientific, applied and methodological contributions, I CONSIDER that the candidate will be extremely effective as an associate professor in the Faculty of Viticulture and Horticulture at AU – Plovdiv.

All the above mentioned gives me grounds to evaluate **POSITIVELY** his whole work.

I allow myself to propose to the honorable scientific panel to vote positively, and the Faculty Council of the Faculty of Viticulture and Horticulture at AU – Plovdiv to elect **chief assistant eng. Manol Angelov Dallev, PhD**, for the academic position of "Associate Professor" in the scientific specialty "**Mechanization and Electrification of Plant Science**".

Date: 16.08.2021  
Plovdiv

  
THE PERSONAL OPINION

WORKED OUT BY: .....

(prof. eng. Kr. Georgieva, PhD)