

НАРЕДБА ЗА ПОДПИСИ	
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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

given by prof. Gencho Stoykov Popov, PhD from Angel Kanchev University of Rousse,

defined for a member of the scientific panel according Order № ПД 16-745/30.06.2021 of the Rector of the Agricultural University – Plovdiv (AU - Plovdiv)

1. Short presentation of the candidate.

The candidate participating in the competition for "Assoc. Professor" is chief assistant eng. Manol Angelov Dallev, PhD, from AU – Plovdiv. Manol Dallev was born in 1984 in the city of Plovdiv. He graduated from AU – Plovdiv with both educational-qualification degrees: in 2006 - a bachelor degree in Agrarian Engineering and in 2007 – a master degree in Landscape Design. He defended his doctoral dissertation work in 2013 in the same scientific specialty, as well as the present competition: "Mechanization and Electrification of Plant Science". In 2011 he was assigned a professor assistant in the Department of Mechanization of Agriculture at the Faculty of Viticulture and Horticulture. In 2013, after a successful competition, he held the academic position of "Chief Assistant". It is obvious that Manol Dallev, PhD, has passed through all stages of the academic career until the present competition for Associate Professor.

2. General description of the scientific production.

Chief assistant eng. Manol Angelov Dallev, PhD, participates in the present competition with general production of 32 works grouped as follows:

- ❖ *Research publications in the nomenclature specialty – 31 pieces:*
 - *Publications related to the doctoral dissertation work – 5, which are not subject of examination;*
 - *Impact factor publications – there are 4 publications in the check-up, with no clarification of the databases they are indexed in;*
 - *Publications in reviewed and referenced scientific journals – 21;*
 - *Publications in conference collections - 5.*

The personal participation of chief assistant M. Dallev, PhD, in the submitted 26 works is illustrated with the fact that in 8 of them he is a first author, in 11 – a second author, and in the rest 7 – a third and subsequent author.

- ❖ *Student's book (book) – 1.*
- ❖ *Student's handbooks – not submitted.*

*For working out the present opinion **26 publications** are a subject of analysis.*

Information for the completion of the minimum requirements of the Regulations for Application of the Act for Development of the Academic Staff in the Republic of Bulgaria (RAADASRB) for holding the academic position of " Assoc. Professor" in the field of higher education: 5. Technical sciences is given in the table as follows:

Group of indicators	Points according to RAADASRB	Points covered by the candidate
A (dissertation work)	50	50
B Habilitation work - 10 research publications	100	total 175
Г	200	total 245,3
Г6-Published book based on a defended dissertation work		30
Г-7 Research publications in referenced and indexed world databases with scientific information - 11		181,3.3
Г-8 Research publications in non-referenced journals with scientific review – 5		34
Д 7 citations in referenced editions	50	70

Data from the given table show that the candidate M. Dallev, PhD, meets the minimum requirements of scientific indicators in the Act for Development of the Academic Staff in the Republic in Bulgaria (ADASRB).

3. Teaching work.

The teaching work of chief assistant eng. Manol Dallev, PhD, includes lectures and seminars, as well as practices with students by basic engineering curriculum disciplines in the three faculties of AU – Plovdiv. It is obvious from the present check-up that his annual classroom work considerably exceeds the required minimum.

An additional indicator for the candidate's good teaching work is the fact that he has supervised 16 bachelor and master graduates who have successfully defended their diploma theses.

Good testimonial for the level of the candidate's teaching work is his active participation in the ERASMUS+ program with providing teaching mobility abroad.

The above mentioned shows that the candidate has already accumulated sufficient pedagogical experience in reading lectures and providing seminars in the field of agricultural mechanization – the specialty of the present competition.

It is the suitable place here to recommend the issue of appropriate teaching materials (paper or electronic), especially necessary for student training in the present complex pandemic situation.

4. Research work.

The research studies of chief assistant Manol Dallev, PhD, basically are in the field of soil tilling. The accent is on the intensification of the processes and control of soil erosion.

Another sphere of research is related to new working bodies aiming at improving constructions of agricultural machinery and agro-technologies.

The contributions in the candidate's research works are scientific-applied and engineering-applied. They can be grouped as follows:

– *Proving new directions of already existed scientific fields with new sources:*

Here can be listed studies related to the influence of soil moisture under a number of indicators; studies for newly created working bodies; influence of the progressive speed on the stability of work of the new bodies; the possibility for GIS application for optimization of the aggregate soil composition in different soil types with changeable moisture; optimization of the process of straw briquetting; studies of the losses at the mechanized harvesting of Bulgarian peanut and sesame varieties, etc.

– *Creation of new classifications, methods, constructions, technologies; reception of confirming data*

This group includes the following: methodology for the design of barred plough bodies; working out statistical regression models; creation of a construction for thermal decomposition of biomass; mechanized technology for soil tilling in the production of apple rootstocks.

The contributions in the candidate's publications enrich the theory and practice in the separate research directions. Taking into account the number, quality and received contributions, the publications cover the requirements for holding the academic positions of "Associate Professor".

An important indicator for assessment of the research work of a given candidate is their participation in research projects. The submitted formal documents show that M. Dallev, PhD, has taken participation in 6 inter-university projects and 1 financed by the Agricultural Academy – Sofia. It can be concluded that considering this indicator, the candidate is active in the development of competition-financed research projects.

The evaluation of the research work gives proofs that the candidate has sufficient achievements of high significance. It shows that he can formulate and solve research tasks with appropriate research methods. Some of his basic results have become popular to scientists of the same scientific field, which makes him recognizable in the corresponding scientific community.

5. Marks and recommendations.

– My main mark is related to the lack of confirmed information for the index of the impact factor journals. For each publication it is necessary to be given a copy (Print Screen) form the system of Scopus and Web of Science. For example, for the publication in 7th International Conference on Energy Efficiency and Agricultural Engineering it is pointed very high IF (10.52), which does not correspond to the actual state of this collection. It is recommendable that this issue should be clarified. Contrary, the National Center for Information and Documentation can refuse to include the candidate in the system.

– It can be seen by the list of publications submitted in the present competition that the candidate has no individual publications. I recommend prospective individual publications to be conducted by the candidate.

6. Conclusion.

On the base of the worked-out analysis of the candidate's pedagogical, research and applied work I consider that **chief assistant eng. Manol Angelov Dallev, PhD**, meets the requirements of ADASRB and RAADASRB and the Regulations of AU – Plovdiv for its application.

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 "Associate Professor" in the scientific specialty "**Mechanization and Electrification of Plant Science**" in the professional direction: 5.13. General Engineering.

Date: 06.08.2021
Plovdiv

A PERSONAL OPINION WORKED BY:


(prof. Gencho Popov, PhD)