

OPINION

On the competition for the academic position "Associate Professor" in professional field 4.6 Informatics and Computer Science (Programming and Computer Utilization), announced in the State Gazette, Vol. 45 from 17.06.2022 for the needs of University "Prof. D-r Assen Zlatarov" - Burgas, with sole applicant Senior Assistant Professor Deyan Georgiev Mavrov, PhD

By order № RD 294/19.09.2022 of the Rector of University "Prof. D-r Assen Zlatarov" – Burgas, I have been assigned as a member of the scientific jury for the competition for academic position "Associate Professor" in the field of Higher Education 4. Natural sciences, mathematics and informatics, professional field 4.6 Informatics and Computer Science (Programming and Computer Utilization) the needs of University "Prof. D-r Assen Zlatarov" – Burgas, announced in the State Gazette Vol. 45/17.06.2022. I declare that as a member of the scientific jury that I have received all relevant documents of the sole applicant: Senior Assistant Professor Deyan Georgiev Mavrov, PhD.

Short biographical information about the applicant:

Senior Assistant Professor Deyan Georgiev Mavrov was born in 1987 in Burgas. In 2012, he received a master's degree in Business Information Technologies from the Burgas Free University. On 17 June 2016, he successfully defended his doctoral dissertation on the topic *Program implementation and application of index matrices* and received the educational and scientific degree "Doctor" from the University "Prof. D-r. Assen Zlatarov", Burgas. Since 2012, he has been working at the University "Prof. Dr. Assen Zlatarov" - Burgas first as Assistant Professor, and since October 2016 as Senior Assistant Professor.

Regarding the submitted materials for participation in the competition

From the materials presented by the applicant Senior Assist. Prof. Deyan Mavrov the following is evident:

- The applicant meets the required minimum length of service as a Senior Assist. Prof.
- The applicant has participated in the development of 5 study programs (the requirement for the development of at least one such program is specified in the Regulations for the conditions and procedures for acquiring scientific degrees and holding academic positions at "Prof. D-r. Assen Zlatarov" University - Burgas, Art. 67(1), item 7)
- According to indicator A "Dissertation work for awarding the educational and scientific degree Ph. D. - dissertation work on the topic of *Program implementation and application of index matrices* (the abridged version is provided in electronic form).
- According to indicator C4 "Habilitation work - scientific publications in publications that are referenced and indexed in world-famous databases with scientific information" - 2 publications, of which 1 publication in quartile Q1 (Web of Science); 1 publication with impact rank (SJR) (Scopus)
- According to indicator D7 "Scientific publications in publications that are referenced and indexed in world-renowned scientific information databases" - 10 publications, of which 2 publications with IF in quartile Q1, 1 publication with IF in quartile Q2, 4 publications with

impact rank (SJR) (Scopus); 3 publications in other databases specific to Professional field 4.6 (IEEE Xplore).

- According to indicator **E11** "Citations in scientific publications, monographs, collective volumes and patents, referenced and indexed in world-famous databases with scientific information" a sample from Scopus of **95** independent citations of **8** articles co-authored by the applicant was provided. A sample of Scopus with excluded citations for the applicant (**Scopus Author ID:56497137700**) shows 96 citations, of which **12** in **2022**. Of the cited publications, **3** are from the doctoral student's dissertation and have **29** independent citations. Even if they are reduced from the total number, the rest significantly exceed the required **100** points of this indicator.

- According to indicator **F**, the specific requirements of the University "Prof. D-r. Assen Zlatarov" - Burgas are satisfied through indicators **F14,F15** and **F20**.

The total number of points of the applicant and the required minimum number of points for the groups of scientometric indicators are presented in tabular form, according to the *Regulations on the terms and conditions for acquiring scientific degrees and occupying academic positions at the University "Prof. D-r. Assen Zlatarov" - Burgas* and the *Minimum National Requirements (MNR)*.

Information on the fulfillment of the minimum requirements

<i>Indicator groups</i>	<i>Minimal score- University "Prof. D-r. Assen Zlatarov" - Burgas</i>	<i>Applicant's score D. Mavrov University "Prof. D-r. Assen Zlatarov" - Burgas</i>	<i>Minimal score (MNR)</i>	<i>Applicant's score D. Mavrov (MNR)</i>
A	50	50	50	50
B	-	-	-	-
C	100	105	100	105
D	300	384	200	384
E	100	760	50	760
F	100	102.5	-	102.5
Total:	650	1401.5	400	1401.5

It is clearly seen that Senior. Assist. Prof D. Mavrov fully satisfies the requirements of *Regulations on the Implementation of the Development of Academic Staff in the Republic of Bulgaria Act*, as well as the *"Regulations on the terms and conditions for acquiring scientific degrees and occupying academic positions at the University "Prof. D-r. Assen Zlatarov" - Burgas* for professional field 4.6. Informatics and Computer Science (Programming and Computer Utilization).

The scientific researches of Senior Assist. Prof. D. Mavrov, related to his participation in the current competition, are directed towards the design of means for the practical application of intuitionistic fuzzy logic and index matrices to analyzing various types of data and as an auxiliary tools in data processing.

The texts presented in **12.1. Author reference** and **12.2. Habilitation reference** correctly describe the essence of the obtained results and main contributions of the applicant.

From the bibliographic data provided, it is unequivocally established that there is no overlap between the publications for participation in the current competition and those used for obtaining the Ph.D degree.

Critical remarks, recommendations and personal impression of the applicant

In the submitted materials in **9. Reference for satisfaction of the minimum requirements**, the publications do not follow the order in which they are given in **11. List of publications for participation in the competition**. The applicant has also not detailed the most promising direction for future research and development in the scientific field under consideration.

I personally have known Senior Assist. Prof. Deyan Mavrov, Ph. D., for nearly 7 years. We have been involved in joint research as well as research projects and I have very good impressions of his overall scientific work.

Conclusion

The above gives me reason to give a positive assessment of the materials for participation in the competition and to recommend to the respected members of the Scientific Jury, and then to the respected members of the Faculty Council of the University "Prof. D-r. Assen Zlatarov" to vote for awarding **Senior Assist. Prof. Deyan Mavrov, Ph. D.**, the academic position "**Associate Professor**" in professional field 4.6 Informatics and Computer Science (Programming and Computer Utilization).

16. 11. 2022

Opinion presented by:

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