

OPINION

On the Concourse for the academic position “Associate Professor” in professional field 4.6 “Informatics and Computer Science”, announced in the State Gazette, Vol. 30 from 13.04.2021 for the needs of the Institute of Biophysics and Biomedical Engineering, Bulgarian Academy of Sciences, with sole applicant Senior Assistant Professor Peter Vassilev, PhD

By order № 235/21.05.2021 of the Director of the Institute of Biophysics and Biomedical Engineering (IBPhBME) at the Bulgarian Academy of Sciences, on the basis of a decision of the Scientific Council of IBPhBME (Protocol № 7/20.05.2021) I have been assigned as a member of the scientific jury for the concourse 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“, Scientific specialty „Informatics“, for the needs of section for the needs of the section “Bionformatics and Mathematical Modelling” announced in the State Gazette Vol. 30/13.04.2021. I declare that as a member of the member of the scientific jury I have received of Senior Assistant Professor Peter Mladenov Vassilev, PhD. I have received all documents of the sole applicant: Senior Assistant Professor Peter Vassilev, PhD.

Short biographical information about the applicant:

Senior Assist. Prof. Peter Vassilev was born on 4.09.1981 in Sofia. In 2006 he acquired Bachelor’s degree in Applied Mathematics from the Faculty of Mathematics and Informatics at Sofia University “St. Kliment Ohridski”. In 2009 he obtained a Master of Science in Applied Mathematics at Faculty of Applied Mathematics and Informatics, Technical University-Sofia. In 2013 he defended his PhD thesis and received the educational and scientific degree “Doctor”. Since January 2013 he is working at the Institute of Biophysics and Biomedical Engineering – initially as Assistant Professor and, after applying for a concourse, on 16.09.2013 he was promoted to Senior Assistant Professor.

Regarding the submitted materials for participation in the concourse

The applicant Senior Assist. Prof. Peter Vassilev participates in the concourse with the following materials.

- Indicator A „PhD thesis for obtainment of the educational and scientific degree “Doctor”– “Intuitionistic fuzzy sets with membership and non-membership functions in metric relation” (given in full in digital format).
- Indicator B4 “Habilitation thesis - scientific publications in sources that are referenced and indexed in world-famous databases with scientific information”- 9 publications, of which 1 publication in quartile Q1 (Web of Science), 1 publication in quartile Q3 (Web of Science); 5 publications with SJR (Scopus); 2 publications indexed in zbMATH (Zentralblatt MATH).
- Indicator F7 „scientific publications in sources that are referenced and indexed in world-famous databases with scientific information” - 21 publications, of which 3 publications with IF in quartile Q4 (the journal for one of the publications has Q2 for Logic), 1 in quartile Q1, 2 in quartile Q2; 9 publications with SJR (Scopus); 6 publications visible in the databases zbMATH (Zentralblatt MATH) and IEEEExplore.

- Indicator Д11 „Citation in scientific journals, monographs, collective volumes and patents, referenced and indexed in world-famous databases of scientific information” is given an extract from Scopus of 12 independent citations of one of the papers of the applicants.

The total number of points of the applicant and the required minimum scores by groups of scientometric indicators are presented in tabular form, according to *Regulations for the application of the Act on Development of the Academic Staff in the Republic of Bulgaria* at IBPhBME-BAS and the Minimal National Requirements (MNR).

Information on the fulfillment of the minimum requirements

<i>Indicator groups</i>	<i>Minimal score-IBPhBME</i>	<i>Applicant score P. Vassilev IBPhBME</i>	<i>Minimal score (MNR)</i>	<i>Applicant score (MNR)</i>
<i>A</i>	50	50	50	50
<i>B</i>	-	-	-	-
<i>B</i>	100	102	100	306
<i>Г</i>	220	227* (235)	200	681* (705)
<i>Д</i>	60	72	50	96
<i>E</i>	-	-	-	-
<i>Total:</i>	430	451* (459)	400	1133* (1157)

* If it is assumed that paper [Г7 2] is in quartile Q2, the corresponding points for this field become equal to those marked in parentheses

It is clearly seen that Senior Assistant Prof. completely satisfies the requirements of Regulations on the Implementation of the Development of Academic Staff in the Republic of Bulgaria, as well as *Regulations for the application of the Act on Development of the Academic Staff in the Republic of Bulgaria* at IBPhBME-BAS for professional field “Informatics and Computer Science”.

I accept the claimed scientific contributions of Sen. Assit. Prof. P. Vassilev in the form in which they are formulated in his documents and in "Main scientific contributions, in which the applicant describes in detail and comprehensively the specific original scientific contributions with which he applies in the concourse and his views on future research." In my view, they correctly reflect the essence of the publications with which he participates in the concourse and therefore I will not comment on them in detail. The applicant has divided them into 7 groups, which follow the indicated contributions, and then “Plans for future work” are briefly proposed, in which the applicant has outlined possible promising directions for research.

As it can be seen both from the bibliography as well as from the lists with publications used in previous procedures, there is no overlap of the publications submitted for the current concourse and the other works of the applicant. The applicant has significantly more publications than the ones presented for the concourse and much more citation than the ones provided for indicator Д11, which is visible from Scopus (51 visible papers and a total of 121 citations).

Critical remarks, recommendations and personal impression of the applicant

I have no critical remarks regarding the materials submitted by the applicant for participation in the concourse. I know personally Senior Assistant Professor Peter Vassilev, PhD for nearly 15 years. We have participated in joint investigations and have jointly participated in research projects, and I have good impressions of his overall scientific work.

Conclusion

The above gives me a reason to give a positive assessment of the materials for participation in the concourse and to recommend to the respected members of the Scientific Jury, and then to the respected members of the Scientific Council of IBPhBME-BAS to vote for to vote for awarding **Senior Assist. Prof. Peter Mladenov Vassilev, PhD**, the academic position “**Associate Professor**” in professional field 4.6 “Informatics and Computer Science”.

06. 07. 2021

Opinion presented by: ... 

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