

## OPINION

from prof. DSc Daniela Ivanova Borissova – ICT-BAS,  
on the scientific works for participation in a competition for the academic position of associate professor, in professional field 4.6. “Informatics and Computer Science”, scientific specialty “Informatics (Systems, methods and tools for presentation and management of digital cultural and educational resources)”,  
announced in SG No 22/18.03.2022  
with the only candidate Chief Assistant Professor Dr. Lilia Radoslavova Pavlova

According to the Order No 10/17.05.2022 of the Director of the Institute of Mathematics and Informatics (IMI) at BAS I was appointed to be a member of the scientific jury under the announced procedure. At the first meeting held on 30.05.2022 I was elected to prepare an opinion.

### **1. Assessment of compliance with the minimum national requirements and the requirements of IMI-BAS**

According to Art. 57a of the Regulations for application of the Law on the Development of Academic Staff in the Republic of Bulgaria (LDASRB), respectively art. 24 of the LDASRB and in accordance with art. 2 and art. 3 of the regulations for the conditions for acquiring scientific degrees and for occupying academic positions in IMI-BAS, the members of the scientific jury evaluate the candidates for the academic position “Associate Professor” according to the fulfillment of the conditions under Article 53 and in accordance with the results of the inquiries under Article 54, paragraph 1 of the Regulations for application LDASRB. The fulfillment of these conditions is shown in the following table:

<b>Applicants for the academic position of “Associate Professor” must meet the following conditions:</b>	<b>Presented documents</b>
Art. 53, para. 1. to have acquired an educational and scientific degree “Doctor”	Diploma for educational and scientific degree “Doctor” № 359/26.11.2013 from IMI-BAS
Art. 53, para. 2. not less than two years: a) have held the academic position of “assistant”, “chief assistant”, or .....	Official note for work experience from LT-BAS
Art. 53, para. 3. to have submitted a published monographic work or equivalent publications in specialized scientific publications or evidence of relevant artistic achievements in the field of arts, which do not repeat the submitted for the acquisition of educational and scientific degree “Doctor” and for the acquisition of a scientific degree “Doctor of Sciences”.	Information on fulfillment of the minimum national requirements and of the minimum requirements of IMI-BAS

Art. 53, para 4. to meet the relevant minimum national requirements and the requirements of Art. 1a, para. 2	Information on fulfillment of the minimum national requirements and of the minimum requirements of IMI - BAS
Art. 53, para 5. not to have legally proven plagiarism in scientific works.	---
Art. 54, para. 1. The candidates shall submit a reference for fulfillment of the minimum national requirements and of the requirements under art. 1a, para. 2, as well as a reference for the original scientific contributions, to which the respective evidences are attached.	Reference for fulfillment of the minimum national requirements and reference for the original scientific contributions

From the submitted scientific works for participation in the competition, the fulfillment of Art. 53, para. 5.

The implementation of the minimum points by groups of indicators for the academic position “Associate Professor”, according to the specific requirements of IMI-BAS, is as follows:

*Area 4. Natural sciences, mathematics and informatics,,  
Professional field 4.6. Informatics and Computer Science*

<b>Group of indicators</b>	<b>Contents</b>	<b>Associate Professor (min. Points)</b>	<b>Presented by the candidate in the competition</b>
<b>A</b>	Indicator 1	50	<b>50</b>
<b>B</b>	Indicator 2	--	--
<b>C</b>	Indicators 3 or 4	100	<b>124</b>
<b>D</b>	Sum of indicators from 5 to 10	220	<b>282</b>
<b>E</b>	Indicator 11	70	<b>102</b>
<b>F</b>	Sum of indicators from 12 to the end	20	<b>50</b>

From the comparison made in this way it is easy to establish that for some of the groups the candidate has exceeded the defined minimum national requirements and the requirements of IMI-BAS.

## **2. Research and teaching activities**

6 publications are presented for the satisfaction of the indicators from group C. A total of 21 scientific papers are presented for the indicators from group D, 19 of which are publications and 2 chapters from books. All 25 publications are indexed in the Scopus or Web of Science databases. A total of 10 of the publications in the competition are with SJR and/or IF, which fulfills the specific requirement of IMI-BAS for the presence of at least 5 such publications. For the indicator from group E – the candidate has attached data for 17 citations for 7 of the publications with which he participates in the competition.

The reference from the databases in Scopus and Web of Science shows the following scientometric indicators for the candidate:

	Scopus	Web of Science
h-индекс	5	3
Documents by the author	37	19
Citations	77	25

For group F – the candidate has submitted information for participation in 8 international research projects; 9 research projects funded by external sources for BAS; Applied in practice research results 2 pieces of graphic design of online educational products and 3 pieces of graphic and software design of environments for management of digital cultural content. In 2017 - 2019, the candidate has given lectures and exercises at the New Bulgarian University, Department of Informatics. During the period 1995 – 1999 he was a part-time lecturer at the Burgas Free University, Department of Informatics, part-time lecturer at the National Academy of Arts “N. Pavlovich”, Faculty of Fine Arts during the period 2006 – 2015, including part-time lecturer at the Training Center of BAS, 1999 – 2012.

### 3. Scientific and scientific-applied contributions

The presented contributions of the candidate are summarized in two main directions: 1) Systems for management of digital cultural content and applications, and 2) Modern information technologies in education. Both thematically substantiated areas are supported by scientific publications and are in line with the theme of the announced competition. Given this, I accept the formulated contributions of the candidate.

### 4. Critical remarks and recommendations

I have no critical remarks to the candidate Ch. Assistant Professor Dr. Lilia Pavlova. I believe that the documents have been prepared with the necessary precision.

### 5. Conclusion

Taking into account the fulfillment of all normative requirements, according to LDASRB, the regulations for its application, as well as the regulations for the conditions and the order for acquiring scientific degrees and for holding academic positions in the Institute of Mathematics and Informatics at BAS, incl. the reports on the fulfillment of the minimum national requirements, the scientometric indicators from Scopus and Web of Science, it was established that the candidate fully satisfies the requirements for holding the academic position under the announced competition. **All this gives me enough grounds to give a categorically positive assessment and I propose that the scientific jury vote on a proposal to the Scientific Council of the Institute of Mathematics and Informatics at BAS to elect Ch. Assistant Professor Dr. Lilia Radoslavova Pavlova for the academic position of “Associate Professor” in the professional field 4.6 “Informatics and Computer Science” specialty Informatics (Systems, methods and tools for presentation and management of digital cultural and educational resources).**

Date 04.07.2022

Signature: .....