

## POSITION

by Assoc. Prof. Alexander I. Iliev

**Institute of Mathematics and Informatics – BAS**

*regarding the competition for occupation of an academic position "Professor" in the scientific field 4.6 "Informatics and Computer Science", scientific specialty "Informatics" (Systems for management of digital cultural content and e-learning), for the needs of Institute of Mathematics and Informatics – Bulgarian Academy of Sciences.*

**Applicant:** The only candidate for the academic position Assoc. Prof. Desislava Paneva-Marinova, PhD, at IMI-BAS.

This review is in accordance with the order of the Scientific Council of IMI – BAS (Protokol № 1 of 22.01.2021) with Order № 12/29.01.2021 of Director Acad. V. Drensky, for the members of the jury for the present competition, and the decision of the scientific jury. This scientific panel is assembled for the academic position "Professor" in the professional field 4.6 "Informatics and Computer Science", scientific specialty "Informatics" (Systems for management of digital cultural content and e-learning), announced in SG № 102/01.12.2020.

As a chairman and a member of the scientific jury, I have received all the required administrative and scientific documents from the candidate as follows:

1. an application for admission to the competition.
2. a curriculum vitae.
3. a diploma for educational and scientific degree "Bachelor".
4. a diploma for educational and scientific degree "Master".
5. a diploma for educational and scientific degree "Doctor".
6. an extensive list of scientific publications.
7. a list of scientific publication relevant to the competition.
8. a reference for original scientific contributions with the relevant evidence attached.
9. a reference to the original scientific contributions in the publications.
10. the complete publications relevant for participation in the competition.
11. a general list of quotations.
12. a list of quotations for participation in this competition.
13. position advert in a government issued newspaper - #102, Dec. 2020.

14. a certificate for an internship in the field.
15. a certificate for occupying the position Associate Professor.
16. completed Table 4.6 with requirements for a professorship form 2.1.
17. references from Scopus and Web of Science.
18. declaration for professorship.
19. other supplementary materials.

The submitted documents from the applicant comply with the requirements and Terms and Conditions for Acquisition of Academic Degrees and Occupation of Academic Positions “Professor” at IMI-BAS.

### **1. Facts about the candidate:**

- Assoc. Prof. Dr. Desislava Ivanova Paneva-Marinova graduated from Plovdiv University "Paisii Hilendarski" - Bachelor of Mathematics and Informatics and Veliko Tarnovo University "St. St. Cyril and Methodius" - Master of Informatics.
- In 2008 Assoc. Prof. Dr. Paneva defended a dissertation on "Semantic-oriented architecture and models for personalized and adaptive access to knowledge in a multimedia digital library".
- Beginning in 2002 Assoc. Prof. Dr. Paneva started working at the Institute of Mathematics and Informatics - BAS as a mathematician, assistant (since 2007), Assistant Professor (since 2009), and Associate Professor (since 2009)
- At current, she is the Head of the Mathematical Linguistics Department of IMI-BAS (2016 - present), she is the Head of the Digitization Laboratory - Burgas at the Mathematical Linguistics Department of IMI -BAS (2019 - present), she is a member of the Scientific Council of IMI - BAS (14.12.2018 - present), she is the head of the Attestation Commission at the Scientific Council of IMI-BAS (2020 - present), and she is a Secretary of the Commission for Scientific Policy and Structural Changes at the Scientific Council of IMI-BAS (2020 - present).
- In the past, she was the Secretary of the Mathematical Linguistics Section of IMI-BAS (2012-2016), and she was a member of the Attestation Commission at the Scientific Council of IMI -BAS (2018 - 2020).

### **2. General characteristics of the scientific, applied and academic activity of the candidate**

I fully accept the following scientific achievements presented to me by the candidate:

- Articles numbered [9, 12, 19, 20;] present an evidence of creation, presentation and content management of digital libraries.

- Articles numbered [2, 3, 6, 13, 14, 15] present an evidence of integration of systems for management of digital cultural content and creation of digital cultural ecosystems.
- Articles numbered [3, 4, 5, 10, 16] present an evidence of extraction and processing of knowledge.
- Articles numbered [1, 7, 8, 11, 17, 18] present an evidence of E-learning technologies, namely ICT in education, digital theater, models and tools for teaching mathematics.

All the scientific publications presented are in the professional field 4.6 Informatics and Computer Science.

Assoc. Prof. Dr. Desislava Paneva-Marinova, presented 13 articles as part of this competition with SJR and/or IF according to the additional rules for taking an academic position “professor” as determined by the IMI-BAS department.

In more details, here is a summary of the number of points gained by sections: In group B there are 104 points, in group D there are 186 points, in group E there are 225 points, and in group G there are 250 points. The total number of presented citations equals to 371. The number of cited articles in Web of Science and Scopus is 64 with number of citing sources 162; the number of citations in other scientific journals publications is 65 with number of citing sources 209.

From the detailed information provided in this section, it is evident that the candidate meets all the minimum requirements for the academic position “Professor”, as set by ЗРАСРБ, ППЗРАСРБ and Terms and Conditions for Acquisition of Academic Degrees and Occupation of Academic Positions “Professor” at IMI-BAS.

### **3. Evaluation of the scientific and practical results and contributions in the submitted publications**

Assoc. Prof. Dr. Desislava Ivanova Paneva-Marinova has presented a detailed authorship on the scientific and applied results obtained in the publications submitted for participation in the competition. The articles were published in specialized scientific journals do not duplicate the ones submitted by the candidate for the position “associate professor”. The scientific publications submitted for participation in the competition for "professor" accurately reflect the scientific achievements and practical results required in the requirements of the competition and there is no legally proven plagiarism in scientific papers.

### **4. Comments and recommendations**

I have no remarks and recommendations.

### **5. Conclusions**

Based on the comments above, concerning the submitted materials, scientific publications, their significance, and the scientific and practical contributions they offer, and the candidate’s academic activity and work with students, it is my

opinion that Associate Professor Dr. Desislava Ivanova Paneva-Marinova satisfies all the requirements of ЗРАСРБ, ППЗРАСРБ and Terms and Conditions for Acquisition of Academic Degrees and Occupation of Academic Positions “Professor” at the Institute of Mathematics and Informatics at the Bulgarian Academy of Sciences, in the professional field 4.6 “Informatics and Computer Science”, scientific field of “Informatics”.

I therefore **give a positive assessment** for the candidate. Furthermore, **I recommend** that the scientific jury propose to the competent body for the selection of the Department of Mathematics and Informatics the Bulgarian Academy of Sciences to choose Assoc. Prof. Desislava Ivanova Paneva-Marinova to take the academic position of “Professor” in the professional field of 4.6 “Informatics and Computer Science”, scientific field of “Informatics”.

Sofia

18.March.2021

Reviewer:

Assoc. Prof. Dr. Alexander I. Iliev