

## **Attitude of Reviewer**

of the scientific work submitted for participation in the competition for occupying the academic position of “Associate Professor”, announced by the University of Plovdiv “Paisii Hilendarski” in area in higher education: 4. Natural Sciences, Mathematics and Informatics of professional field: 4.6 Informatics and Computer Science (Informatics)

by Prof. **Angel Atanasov Golev**, PhD  
Department “Software technologies” of the Faculty of Mathematics and Informatics  
at the University of Plovdiv “Paisii Hilendarski”

In the competition for „Associate Professor“, announced in the Newspaper of State, issue 57 of 26.06.2020, and on the website of the University of Plovdiv "Paisii Hilendarski", for the needs of the Department of Computer Informatics at the Faculty of Mathematics and Informatics, Assistant Professor Silvia Nikolaeva Gaftandzhieva, PhD from the University of Plovdiv „Paisii Hilendarski“ participates as a candidate.

### **1. General description of the procedure and the candidate**

By order № P33-4709/25.09.2020 of the Rector of the University of Plovdiv „Paisii Hilendarski“, I was appointed a member of the Scientific Jury of the competition for the occupation of the academic position of „Associate Professor“ at the University of Plovdiv in the field of higher education: 4. Natural Sciences, Mathematics and Informatics of professional field: 4.6 Informatics and Computer Science (Informatics), announced for the needs of the Department of Computer Informatics at the Faculty of Mathematics and Informatics.

To participate in the competition, documents have been submitted by only one candidate – Assistant Professor Silvia Nikolaeva Gaftandzhieva, PhD, from the University of Plovdiv “Paisii Hilendarski”.

The set of materials for the competition, presented by Assistant Professor Silvia Nikolaeva Gaftandzhieva, is complete and is in accordance with the Law on the Development of the Academic Staff of the University of Plovdiv „Paisii Hilendarski“.

Assistant Professor Silvia Gaftandzhieva graduated at the University of Plovdiv „Paisii Hilendarski“ in 2012 with a bachelor degree in informatics and with a master degree in informatics in 2013. She obtained the educational and scientific degree “Doctor” at the Faculty of Mathematics and Informatics at the same university in 2017.

Assistant Professor Silvia Gaftandzhieva has been a lecturer in Informatics at the Faculty of Mathematics and Informatics at the University of Plovdiv „Paisii Hilendarski“ since 2017. She was an Assistant Professor since October 2017.

## **2. General characteristics of the candidate's activity**

At the Faculty of Mathematics and Informatics, Assistant Professor Silvia Gaftandzhieva, PhD has taught modern lecture courses in the field of Informatics. As an Assistant Professor, she conducts lectures and seminars in Bachelor degree programs in the following academic subjects: “Project Management”, “Modern Web Technologies and Applications”, “Programming”, “Introduction to Computer Science”, “Web Programming”, “Modeling and business process management” and “Object-oriented design and programming (with examples of C++)”. She has developed more than 15 electronic courses for the learning platform Moodle. She participates in the candidate student campaign of the university.

Assistant Professor Silvia Gaftandzhieva, PhD has supervised more than 10 graduate students at FMI who have successfully defended their diploma theses.

She has been responsible for the administration of the e-learning platform "Plovdiv Electronic University" (<http://e-learning.uni-plovdiv.bg>) since 2013.

Two monographs, a chapter of a book, 30 publications, one textbook and 12 electronic courses are presented for participation in the competition for the occupation of the academic position of “Associate Professor”, that have not been used for participation in other competitions.

The main research activity of Assistant Professor Silvia Gaftandzhieva, PhD is in the fields of Computer models and systems for dynamic quality evaluation, Learning analytics, Models and systems for e-learning and Pedagogical and social design of e-learning.

Some of the main contributions of the candidate are: Development of architectures, models and software implementations for quality assessment of electronic and educational tests and conducted surveys; Architectures, models and prototypes of process management systems are presented; Models with a set of indicators allowing monitoring and quality evaluation of the learning process have been created; A software tool for programming training using accumulative frame models has been developed; A package of models of documents for organizing and conducting electronic and distance learning is proposed.

Assistant Professor Silvia Gaftandzhieva, PhD has participated in 12 research projects. She has 17 participations with reports in international and national scientific forums. She has been a member of program committees at 9 international conferences.

The presented scientific papers cover the minimum national requirements for occupying the academic position of „Associate Professor“.

There are 11 scientific papers referenced in Scopus or Web of Science. A total of 83 citations of the works submitted for the competition have been noticed, 13 of which are in Scopus and WoS.

I have no doubts about the personal participation and contribution of the candidate in the enclosed materials. I found no evidence of plagiarism.

## **3. Critical Comments and Recommendations**

I have no comments and recommendations to the candidate.

## CONCLUSION

The documents and materials presented by Asst. Prof. Silvia Gaftandzhieva, PhD, in the educational and research activities fully meet the requirements, conditions, and criteria of the Law on the Development of Academic Staff in the Republic of Bulgaria, the Regulations for the Application of the Act for the Development of the Academic Staff in the Republic of Bulgaria, and the Law on the Development of the Academic Staff of the University of Plovdiv “Paisii Hilendarski” for occupying the academic position of “Associate Professor”.

Assistant Professor Silvia Gaftandzhieva, PhD, is an established scientist and continues to develop himself successfully in the field of the informatics and computer science.

The results achieved by her in teaching and research fully comply with the specific requirements of the Faculty of Mathematics and Informatics.

All of the above is sufficient reason to give a **positive conclusion** for the election of Assistant Professor Silvia Nikolaeva Gaftandzhieva, PhD for the academic position of Associate Professor in „Informatics“ of professional field „4.6 Informatics and Computer Science“, field of higher education 4. „Natural Sciences, Mathematics and Informatics“.

I recommend that the highly respectable Scientific Jury, designated for the announced competition, propose to the Honorable Faculty Council of the Faculty of Mathematics and Informatics at the University of Plovdiv „Paisii Hilendarski“ to elect Assistant Professor Silvia Nikolaeva Gaftandzhieva, PhD for the academic position of „Associate Professor“.

08.11.2020 г.

Plovdiv

Signature: .....

/Prof. Angel Golev, PhD/