

OPINION

for academic competition for habilitation on position

“Associate professor”

in scientific field 1.3. Pedagogy of education in... (informatics and IT)

in Sofia University “St. Kliment Ohridski” (SU),

Faculty of Mathematics and Informatics (FMI),

announced in State Newspaper 61/02.08.2022 and on the SU FMI website

Opinion author: prof. Daniela Ivanova Tuparova, PhD,

Southwest University “Neofit Rilski”

Sc. field 4.6. Informatics and Computer Science as a member of the scientific jury

announced with SU rectors order №ПД 38-564/30.09.2022.

Assist. Prof. Philip Petrov Petrov from SU “St. Kliment Ohridski” is the **only applicant in the competition.**

I. General overview of the documents

1. Documents

The presented documents comply with the law and the regulations for acquiring scientific degrees and academic positions in SU.

The applicant assist. prof. Philip Petrov Petrov, PhD, presents 17 scientific publications from which 15 are published in Bulgarian and foreign journals and conferences and two are monographs. Total of 18 other required documents (like employer certificates and other assurances) are also available.

The documents are ordered properly. All scientific publications are presented full.

2. Personal information

Philip Petrov have Bachelor’s degree in Applied Mathematics and Master’s degree in Technologies of Education in Mathematics and Informatics, both from FMI in SU. Since 2014 he is PhD in scientific field 1.3. Pedagogy of education in... in Southwest University “Neofit Rilski”. He has work experience as assistant-professor in Technical University - Sofia and SU.

3. Overall review of the scientific publications

Philip Petrov works actively in different directions: Methods of Education in Informatics and IT in school and university level; IT in education; Design and development of software with application in education; etc. The reviewer confirms that:

a) the scientific papers comply with the requirements of the law and the SU regulations for acquiring scientific degrees and academic positions in scientific field 1.3. Pedagogy of education in... (Informatics and IT). The total sum of the points of the application is 415. The scientometric indicators are as follows: Group A – 50 points, Group Б – 100 points, Group Г – 210 points (excluding publications Г4 and Г5, which are related to the PhD thesis of the candidate); Group Д – 55 points.

б) The scientific publications (Б1, Г1 - Г3, Г6 - Г16) do not duplicate previous works for application in another scientific degree or position and comply with the requirements in groups Б and Г with 100 and 210 points;

в) no plagiarism was detected and there is no suspicion for plagiarism.

4. Characteristics and assessment of the candidate's teaching activity

Philip Petrov has valuable experience from working in state and private institutions. He was assistant-professor in Technical University – Sofia for 7 years and assistant-professor in SU “St. Kliment Ohridski” since 2015. His teaching experience is with lab classes in Databases, Object-oriented Programming and Secure programming in Technical University - Sofia, Linear Algebra in Southwest University “Neofit Rilski”, lectures and lab classes in “School Course of Informatics”, “School Course of IT”, “Essentials of the Secure Web Development” and Masters course “Programmed Education”, mentor in student internships and courses in web design, databases and programming for post-graduates in Informatics and IT.

He was active in additional activities at FMI like: academic mentor of specialty Mathematics and Informatics, academic mentor of master degree program Technologies of Education in Mathematics and Informatics, member of the program committee of the Spring Conference of the Union of the Bulgarian Mathematicians; secretary of department Education in Mathematics and Informatics in FMI, SU; academic mentor in project BG05M2OP001-2.002-0001 from the European Union funds; mentor in „Copernicus hackathon - Sofia“, supervisor in the 7 masters students and 79 bachelor students in Technical University – Sofia, supervisor of 1 masters student in “Distributed Systems and Mobile Technologies” and 1 masters student in “Education of Mathematics and Informatics” in SU.

5. Analysis of the scientific and applied achievements of the applicant

The candidate has achievements in the field of Methods of Education in Informatics and IT at high school and university level and with the development of educational software. I accept his self-defined contributions list and leave it for more detailed review by the jury reviewers.

The results from the studies of Philip Petrov are used by other authors. For the competition he presents 6 cites, two from which are indexed in Web of Science and two are from foreign

authors. The citations cover the scientometric requirements. It must be noted that in the last months there are new citations from foreign authors on publication Г5.

6. Critical notes and suggestions

I suggest that Philip Petrov should focus more on presenting his work in international journals and conferences indexed in Scopus and Web of Science, which will increase citations of his research.

7. Personal impressions

I worked with Philip Petrov between 2010 and 2014 as his scientific co-supervisor on his PhD thesis. During the doctoral study he was very initiative and active. Since then I continue to follow his teaching activity and publications. I am convinced that he is ready to become a “associate professor”.

8. Conclusions

After carefully reviewing and analyzing all presented documents and scientific publications I **confirm** that they comply with the law and the rules and regulations of SU “St. Kliment Ohridski” for scientific position “associate professor” in scientific field 1.3 Pedagogy of Education in... (Informatics and IT). No plagiarism was detected in any publication from the candidate.

My rating for the candidate is **positive**.

II. FINAL CONCLUSION

I **recommend** to the other members of the scientific jury to suggest the Faculty Council of FMI in SU „St. Kliment Ohridski“ to choose the candidate Philip Petrov Petrov for the academic “associate professor” in scientific field 1.3 Pedagogy of Education in... (Informatics and IT).

17.11. 2022

Author signature:

(prof. Daniela Tuparova)