

OPINION

by **Todorka Atanasova Glushkova,**

PhD, assoc. professor at the University of Plovdiv "Paisii Hilendarski"

about the materials submitted for participation in the competition for the academic position

"Associate Professor" of the University of Plovdiv "Paisii Hilendarski", announced in SG №

39/ 02.05.2023 in the field of higher education **4. Natural sciences, Mathematics and**

Informatics, professional field 4.6. Informatics and Computer Science (Information technologies on the Internet)

Based on Art. 30, para. 3 of the Regulations for the Implementation of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB) and by order No. RD-21-1599/31.07.2023 of the Rector of Plovdiv University "Paisiy Hilendarski", I am included in the Scientific Jury for the competition for the occupation of an academic position **"associate professor"** in the field of higher education: 4. "Natural sciences, mathematics and informatics", professional direction: 4.6. "Informatics and Computer Sciences" (Information technologies on the Internet), announced in State Gazette No. 92 of November 18, 2022, for the needs of Plovdiv University "Paisiy Hilendarski", with the participant in the competition Assist. Prof. Ph.D. Hristo Toshkov Hristov from Plovdiv University "Paisiy Hilendarski".

1. General presentation of the procedure and the candidate

The set of materials presented by Hristo Toshkov Hristov **is** in accordance with the Regulations for the Implementation of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the Regulations for the Development of the Academic Staff of the University of Plovdiv and includes the following documents:

1. Application for participation in the contest by Hristo Toshkov Hristov.
2. CV in European format of Hristo Toshkov Hristov.
3. Copy of the Bachelor's Degree Diploma: series VTU-2003, number 006737, registration number 41741/2003, issued by VTU "St. Cyril and St. Methodius" – Veliko Tarnovo;
4. Copy of the Master's Degree Diploma: series VTU-2008, number 046878, registration number 60103/2008, issued by VTU "St. Cyril and St. Methodius" – Veliko Tarnovo;
5. Copy of the Doctoral Degree Diploma – No. 1000209/27.06.2016, issued by PU "Paisii Hilendarski" on June 27, 2016, in Plovdiv;

6. Complete list of scientific works;
7. List of scientific works for participation in the competition;
8. Scientific works for participation in the competition (copies of publications);
9. List of noticed citations;
10. Certificates of compliance with the minimum national requirements for the academic position of "Associate Professor";
11. Certificates of compliance with the additional requirements of the Faculty of Mathematics and Informatics for the academic position of "Associate Professor";
12. Abstracts of the materials (in Bulgarian and foreign languages) for participation in the competition with a habilitation extended report on scientific contributions;
13. Author's habilitation extended report on scientific contributions in the works for participation in the competition (self-assessment of contributions);
14. Certificates of classroom and extracurricular activities, list of published textbooks and teaching aids, certificates of activities with students and doctoral students of Hristo Toshkov Hristov.
15. Certificates of research activities, participation with reports in international and national scientific forums, and participation in research projects, verified by an official note from the NPD with Ref. No. NPD 342/23.06.2023.
16. Certificate of employment history with Ref. No. RD-38-146/18.07.2023.
17. Declaration of the authenticity and accuracy of the attached documents of Hristo Toshkov Hristov.

Dr. Hristo Toshkov Hristov, Associate Professor, completed his higher education in 2005 at the University of Veliko Tarnovo "St. Cyril and St. Methodius", Faculty of Mathematics and Informatics, where he obtained a Master's degree in Computer Science. In 2016, he earned his educational and scientific degree of "Doctor" at the Faculty of Mathematics and Informatics at the University of Plovdiv.

Following his higher education, he initially worked as a teacher and later, from 2010 to 2020, he served as a project manager, software architect, and web developer. Since 2013, Dr. Hristo Toshkov Hristov has been working as a computer science lecturer at the Faculty of Mathematics and Informatics at Paisii Hilendarski University of Plovdiv, holding the position of Associate Professor in the Department of Software Technologies.

I have knowledge of Hristo Hristov as an excellent professional in the field of computer science, as well as in his teaching activities. His accomplishments as a programmer and software specialist unequivocally demonstrate his high motivation and desire to share his knowledge and expertise with the students he instructs.

2. General characteristics of the applicant's activity

The candidate's overall volume of scientific works includes a total of 43 works, comprising 40 scientific publications, 1 educational aid, and 2 applications for registering utility models. According to the provided annotations of the scientific publications for participation in the competition, the following have been submitted: 14 scientific publications, 1 book chapter, 2 utility model applications, and 1 educational aid. Out of these, 11 publications are in journals, 9 articles are indexed in the Web of Science database, 9 articles are indexed in the Scopus database (3 in Q1 with SJR 0.61, 2 in Q3 with SJR 0.25, and 1 in Q4 with SJR 0.25), and 3 are in IEEE Xplore. Two of the publications are in Bulgarian, 12 are in English, the book chapter is in English, and the 2 utility model applications and the educational aid are in Bulgarian. Among these, Hristo Hristov is the first author in 10 publications. The candidate presents an educational aid titled "Guide to Designing and Styling Web Pages with CSS GRID SYSTEM" and two utility model applications: "Model of a System for the Management and Control of a Piezocrystal Generator" with Ref. No. BG/U/2023/5737 dated May 4, 2023, and "Model of a Device for Generating Electrical Energy through Piezocrystals" with Ref. No. BG/U/2023/5682 dated March 2, 2023.

The scientific publications submitted for participation in the competition cover several thematic areas:

- Models and methods in the design and implementation of software systems on the Internet (publications 2, 4, 6, 9).
- Design, modeling, and inspection of accessible web content on the Internet (publications 8, 10, 12, 13).
- Management, automation, and models of technologies applicable in local networks and the Internet (publications 1, 11, 15, 16, 17).
- Analysis, classification, and applications of technologies and tools for online learning (publications 3, 5, 7, 14).

I accept the statements in the report regarding the results of the candidate's research activities as contributions to the works submitted for the competition. The obtained results have both scientific and applied significance and can be considered as enriching the existing scientific field with new knowledge.

The teaching aid "Guide for designing and styling web pages with CSS GRID SYSTEM" is primarily intended for teaching students from the Faculty of Mathematics and Informatics of the University of Plovdiv "Paisiy Hilendarski" in the disciplines "Web Design" from the specialty

Software Technologies and Design and "Web Programming 1" from the Software Engineering major.

There are a total of 32 citations for Associate Professor Dr. Hristo Hristov in national and internationally databases, including 10 citations in Web of Science and Scopus databases. The candidate participates in 9 international, national and university research or educational projects. According to the submitted references for the fulfillment of the minimum requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the additional requirements of the FMI of the Plovdiv University "Paisiy Hilendarski" from Assist. professor Ph.D. Hristo Toshkov Hristov, he fulfills the requirements for indicators A, B, C, D and E for professional direction 4.6. "Informatics and Computer Science".

I accept the candidate's Declaration that there is no legally proven plagiarism in the scientific works submitted for the current competition by Associate Professor Dr. Hristo Toshkov Hristov.

CONCLUSION

I accept that the requirements of the **Law on the Development of the Academic Staff in the Republic of Bulgaria, the Rules for its Implementation and the Rules for the Specific Conditions for Acquiring Scientific Degrees and Holding Academic Positions at Plovdiv University have been met.** After familiarizing myself with the materials presented by the candidate on the competition, I give my **positive conclusion** on the choice of. assistant professor Ph.D. Hristo Toshkov Hristov in the competition for the academic position "**associate professor**" in the professional direction **4.6. "Informatics and Computer Science" (Information technologies on the Internet).**

I propose that the Scientific Jury unanimously vote on a proposal to the Faculty Council of the FMI of Plovdiv University "Paisii Hilendarski", to choose **Assistant professor Ph.D. Hristo Toshkov Hristov** for the academic position "**associate professor**" in the field of higher education: **4. "Natural sciences, mathematics and informatics", professional direction 4.6. "Informatics and Computer Science" (Information technologies on the Internet).**

14.09. 2023

Plovdiv

Author of the opinion:

/Assoc. prof. Dr. Todorka Glushkova/

