

S T A N D P O I N T

By
Prof. DSc. Nataliya Hristova Pavlova
Department “Algebra and Geometry”
Faculty of Mathematics and Computer Sciences
Konstantin Preslavsky University of Shumen
Of Scientific Works Presented
By Associate Professor Todorka Zhivkova Terzieva, PhD,
In Relation with Participation in a Contest for Occupying the Academic Position of
“Professor” at Plovdiv University “Paisii Hilendarski”
Under Higher Education Area: 1. Pedagogical Sciences,
Professional Field: 1.3. Pedagogy of Teaching
(Methodology of teaching in informatics and information technologies)

In the competition for the position - ‘professor’, announced in the State Gazette, Issue № 99 of 20.11.2020 and on the website of Plovdiv University "Paisii Hilendarski" for the needs of the Department of Software Technologies at the Faculty of Mathematics and Informatics, as a candidate participates Assoc. Prof. Dr. Todorka Zhivkova Terzieva from PU "Paisii Hilendarski" “.

1. General presentation of the procedure and the candidate

With order № P33-637 of 19.02.2021 of the Rector of Plovdiv University ‘Paisii Hilendarski’ (PU) I have been appointed as a member of the scientific jury and a reviewer in a contest for occupying the academic position of **“professor”** at PU under higher education area: 1. Pedagogical Sciences, Professional Field: 1.3. Pedagogy of Teaching (Methodology of teaching in informatics and information technologies) announced for the needs of the Department of Software Technologies at the Faculty of Mathematics and Informatics.

According to the announced procedure, I received a complete set of materials on electronic media.

Todorka Zhivkova Terzieva was born in Assenovgrad on 25th, August, 1966. In 1992 she graduated from TU Sofia with Master specialty “Electronics and automation engineer”. She received a PhD in computer science training methodology in 2012 in Plovdiv University "Paisii Hilendarski".

Terzieva has many years of experience as a lecturer at Plovdiv University "Paisii Hilendarski", passing from the position assistant in 2001, senior assistant in 2003, head assistant professor in 2007 and associated professor in 2012.

2. Summary characteristic of candidate's activities

Assessment of the candidate's pedagogical and educational activity

Assoc. Prof. Dr. Todorka Zhivkova Terzieva has extensive teaching experience. She leads lectures, seminars and laboratory exercises in disciplines such as "Fundamentals of Computer Informatics", "Programming", "Computer Architectures", "Data Structures and Programming", "Object Oriented Programming" and "Algorithms and Structures of data" and many others for Bachelor's and Master's degree students. Terzieva successfully supervises many graduates and doctoral students, and there are already two successfully defended doctoral students.

Assessment of the candidate's scientific- research activity

The candidate has submitted a total of 44 papers, of which 41 scientific publications, 1 monograph, 1 book and 1 textbook. 20, of the presented scientific publications are in journals (12 abroad), 8 are in proceedings of international conferences. There are 18 papers in English, 17 of them have been published abroad. Most articles are co-authored.

The scientific works submitted for the competition concern areas relevant to modern education, such as: "Design, development and implementation of modern educational tools for learning in e-environment", "Development of a methodology for applying adaptive e-learning and technological model for creating e-learning content", "Computer and mathematical modeling with application in problem solving ", etc.

The candidate submitted a reference for 110 citations.

The quantitative indicators of the presented materials satisfy and exceed the requirements of the Law for development of the academic staff in the Republic of Bulgaria and the requirements of the University of Plovdiv.

3. Critical remarks and recommendations

The scientific production submitted for participation in the contest does not contain noticeable imperfections that can minimize its value.

As a recommendation, I can say that it is appropriate for the candidate to publish more independent research.

CONCLUSION

The documents and materials presented by Assoc. Prof. Dr. Todorka Zhivkova Terzieva PhD comply with all the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations on its implementation, and the respective PU Paisii Hilendarski Regulations.

The candidate in the contest has presented a significant number of scientific materials, published after the materials used for the PhD educational-scientific degree defense and the contest for acquiring the academic position of ‘associate professor’. The candidate’s work contains original scientific and applied contributions that have been granted recognition and a considerable part of them are published in scientific journals and editions by national and international academic publishers. The candidate’s theoretical elaborations have practical applicability and part of the work is closely directed to teaching and education. The scientific and lecturer qualification of Assoc. Prof. Dr. Todorka Zhivkova Terzieva, PhD is undeniable.

The candidate **complies with** the minimum national requirements for occupying the academic position of “professor” in Professional Field 1.3.

I have no doubts for plagiarism in the submitted scientific work.

After reviewing the materials and scientific works presented for the contest and analyzing their significance and the scientific, scientific-applied and applied contributions they contain I find it justified to give my positive assessment and to recommend to the Scientific Jury to prepare a report-proposal to the Faculty of Mathematics and Informatics Council to appoint Assoc. Prof. Dr. Todorka Zhivkova Terzieva, PhD to the academic position “**professor**” at PU Paisii Hilendarski under Professional Field 1.3. Pedagogy of Teaching (Methodology of teaching in informatics and information technologies).

22.03.2021

Reviewer:
/Prof. DSc. Nataliya Pavlova/