

STATEMENT

Prepared by prof. Galya Kozhuharova, PhD, Trakia University, Stara Zagora

of the materials submitted for participation in the competition for the academic position of
"professor" of Plovdiv University "Paisii Hilendarski"

by field of higher education 1. Pedagogical sciences; professional field 1.3. Pedagogy of teaching ...; (Methodology of training in informatics and information technologies)

GENERAL PRESENTATION OF THE PROCEDURE AND THE CANDIDATE

In the competition for 'professor', announced in the State Gazette, issue 99/ 20.11.2020 and on the website of Plovdiv University for the needs of the Department of Software Technologies, at the Faculty of Mathematics and Informatics, as the only candidate participates Assoc. Prof. Dr. Todorka Zhivkova Terzieva. At the first meeting, held on 25.02.2021, the Scientific Jury, determined by order № P33-637 of 19.02.2021 of the Rector of the University of Plovdiv "Paisii Hilendarski", accepted the submitted documents for the competition. No violations of the requirements of Art. 4 of ZRASRB and Art. 2 of the Regulations to this law. Upon examination of the submitted documents I found no violations of the procedure. Assoc. Prof. Terzieva was born in 1966. She completed her higher education (master's degree) in 1989. at the Technical University, Sofia, Faculty of Computer Systems and Technologies (FRE), Specialty "Computer Engineering" Engineer in Electronics and Automation. In 2001 he acquired the specialty Teacher of Informatics and Information Technologies at Plovdiv University "Paisii Hilendarski", Faculty of Mathematics and Informatics. In the period 2009-2012 he was a doctoral student of independent training at Plovdiv University "Paisii Hilendarski", Faculty of Mathematics and Informatics and then defended the degree of Doctor of Methodology of Informatics in Higher Education: 1. Pedagogical sciences in professional field: 1.3 . Pedagogy of teaching Since 2003 he has been successively Assistant, Senior Assistant and Chief Assistant (2007-2012), with main activities and responsibilities: Preparation and conducting of exercises for students of bachelor's and master's specialties, as well as research and work with graduates. Since 2015 Until now he has been working as an associate professor at Plovdiv University "Paisii Hilendarski", Faculty of Mathematics and Informatics and is the head of the Department of Software Technologies with main activities and responsibilities in teaching and research and in the management of doctoral students and graduates. I have taken the indicated data from the CV and copies of the respective diplomas and certificates attached to the documents. The research interests of the candidate are in the field of the methodology of the training in informatics and information technologies.

GENERAL CHARACTERISTICS OF THE CANDIDATE'S ACTIVITY

From the presented documents it can be seen that Assoc. Prof. Dr. Todorka Zhivkova Terzieva has 18 years of teaching experience at the Paisii Hilendaski University of Plovdiv - (2003-2021). During this period she has developed and led lecture courses as follows: Creating a graphical user interface (C #), Introduction to web programming, Programming, Didactic technologies, Introduction to school programming, Digital technologies in education, Graphical user interface applications and others. , also exercises in Fundamentals of Computer Informatics, Programming, Computer Architectures, Data Structures and Programming, Object-Oriented Programming and Algorithms and Data Structures, Computer Networks and Communications, Computer Architectures, etc. Three specializations and business trips abroad 2009, Macedonia, Ohrid, participation in a congress were marked: MASSEE International Congress on Mathematics MICOM 2009, 16 - 20 September, 2009, Ohrid, Republic of Macedonia, 2007, Greece, Training: e-Learning Fundamentals, Fe-ConE (Framework for e-learning Contents Evaluation), Institute of Applied and Computational Mathematics - FORT / IACM, May 20 to July 7, 2007 and in 2005 Hungary, Budapest, Training in Functional Programming at Central-European Functional Programming School, Eotvos Lorand University, Department of Programming Languages and Compilers of the Faculty of Informatics, from 4th until 15th of July 2005 Assoc. Prof. Terzieva has participated in 6 international educational and research projects, is the leader of 2 projects: D01-205 (2018-2021) National Scientific Program (NNP) "Information and Communication Technologies in Science, Education and Security (ICTNOS)", funded from the Ministry of Education and Science, and SP17-FMI-011 (2017-2018) to the Scientific Research Fund, has participated in 11 scientific education and research projects at the NAP of Plovdiv University "Paisii Hilendarski". The topics of the projects are related to e-learning, dynamic mathematical software GEONExT e-learning environments, the quality of training in informatics and ICT in FMI at PU, ICT in Science, Education and Security (ICTNOS), business applications and educational technologies, based on modern ICT, etc. Assoc. Prof. Dr. Todorka Zhivkova Terzieva is a member of the Union of Mathematicians in Bulgaria. Member of the Faculty Commissions for Science, Accreditation and Ethics Commission, Member of the Board of the National Scientific Program (NNP) Information and Communication Technologies in Science, Education and Security (ICTNOS), funded by the Ministry of Education and Science. She has participated in the organizing committees of a number of international and national scientific forums. The results of the research activity of Assoc. Prof. Todorka Terzieva are reflected in a total of over 100 scientific publications - monographs, articles and reports, textbooks and teaching aids. For participation in this competition Assoc. Prof. Terzieva presents 44 papers, of which 41 scientific publications, 1 monograph, 1 book and 1 textbook. Of the presented scientific publications, 20 are in journals (12 abroad), 8 are in proceedings of international conferences. The works submitted for participation in the competition are not submitted for acquiring the educational and scientific degree "Doctor" and for holding the academic positions "Chief Assistant" and "Associate Professor". The submitted publications meet and even significantly exceed the minimum requirements for the

position. The presented works are original and do not contain borrowed texts. The main scientific interests of Assoc. Prof. Terzieva are in the field of teaching methodology in informatics and information technology are related to innovative digital educational environments and creating conditions for applying active methods and methodological strategies to increase the motivation and interest of students. I accept the summarized areas of her research indicated by the candidate, namely:

- Design, development and implementation of modern educational tools for learning in an electronic environment;
- Technological and didactic aspects of game-based learning;
- Methodological aspects of adaptive e-learning;
- Pedagogical strategies to increase motivation in learning in informatics and information technologies;
- Development of the creative abilities of the students.

The contribution of Assoc. Prof. Terzieva is significant, related to the interdisciplinary function of ICT and the teaching of mathematics in both theoretical and practical aspects. A significant part of her interests are focused on didactic aspects in creating e-learning content and developing a methodology for applying adaptive e-learning.

CONCLUSION

The documents and materials submitted by Assoc. Prof. Dr. Todorka Zhivkova Terzieva meet all the requirements of the Law on the Development of Academic Staff in the Republic of Bulgaria (ZRASRB), the Regulations for implementation of ZRASRB and the relevant Regulations of Paisii Hilendarski University.

The candidate in the competition has presented a significant number of scientific papers published after the materials used to acquire the academic position of "Associate Professor". In the works of the candidate there are original scientific and scientific-applied contributions. Theoretical developments have practical applicability, as most of them are directly oriented to the educational work and school practice. The scientific and teaching qualification of Assoc. Prof. Dr. Todorka Zhivkova Terzieva is undoubted.

The results achieved by the candidate in the teaching and research activities fully comply with the specific requirements of the Faculty of Mathematics and Informatics, adopted in connection with the Regulations of the University of Plovdiv for the application of the Law on Mathematics and Informatics.

After getting acquainted with the materials and scientific works presented in the competition, analysis of their significance and contained in them scientific, scientific-applied and applied contributions, I find it reasonable to give my positive assessment and recommend to the Scientific Jury to prepare a report-proposal to the Faculty. Council of the Faculty of Mathematics and Informatics for election of Assoc. Prof. Dr. Todorka Zhivkova Terzieva to the academic position of

'Professor' at the University of Plovdiv "P. Hilendarski "by professional field 1.3. Pedagogy of teaching ...; (Methodology of teaching in informatics and information technologies).

02.04. 2021 г.

Stara Zagora

Member of Scientific Jury:

(Prof. Galya Kozhuharova, PhD)