



REVIEW

By Prof. Galina Stamova Tchaneva, PhD

Member of the Scientific Jury - Order No. 1334/19.04.2023 of the Rector of
Trakia University - Stara Zagora

Regarding: competition for the academic position "Associate Professor" in the field of higher education 7. "Health and Sports" in the professional direction 7.4. "Public Health" and the scientific specialty "Health Care Management", published in the "S. G.", 26/21.03.2023 for the needs of the specialty "Medical Laboratory technician" at the Medical College - Stara Zagora.

For participation in the competition, the documents of one candidate have been submitted - superior lecturer Pavlina Penkova Teneva, PhD from
Medical College - Stara Zagora.

Biographical data

Pavlina Teneva graduated as a "medical laboratory technician" at the Medical College - Sliven at the Trakia University - Stara Zagora in 2000. Later, she graduated from the Bachelor's program in "Social Activities" at the University of Veliko Tarnovo "St. Cyril and Methodius". A master's degree in the specialty "Health Care Management" was completed in 2009 at the MU "Prof. Dr. Paraskev Stoyanov" - Varna. She is studying in the Doctoral program in "Healthcare Management" at the Sliven Branch of the University of Varna. The topic of the successfully defended dissertation is "Study of the formed professional skills and competencies of medical laboratory technician with a view to optimizing practical training".

Pavlina Teneva's professional career began as a "medical laboratory technician" in the central clinical laboratory of UMBAL - Stara Zagora. Since 2007, she has been a part-time lecturer in Clinical Practice at the Medical College - Stara Zagora, and since 2009, she has been the head of the "medical laboratory technician" specialty. From 2012 to 2014, she was a medical laboratory technician at the Beroe Medical Complex. Since 2016, she has been

appointed as a superior teacher, and since 2020, she is a Deputy Director of the Medical College at Trakia University - Stara Zagora.

P. Teneva presents documents for participation in the following continuing education courses: 1. "Working with an interactive whiteboard and document camera" 24-25.10.2017 TrU, MK Stara Zgora, BAPZG 2. "Research of cerebrospinal fluid 11.02-12.02 Medical University of Sofia, BAPZG 3. "Transfusion hematology - immunohematological diagnostics in patients with upcoming blood transfusion in conditions of emergency and planned. 24.08. 201bg. - UMBAL "Tsaritsa Ioana - ISUL", BAPZG 4. "The medical profession between law and morality" - 05.04 . 2014. BAPZG Stara Zagora 5. "Current problems related to HIV/AIDS - BAPZG Stara Zagora. 6. "Emergencies in school and children's age and rendering of first aid" - 05.04. 2013 BAPZG St. Zagora. 7. "Automation in the clinical laboratory" - MBAL "Tokuda Hospital Sofia" AD 8. The new vision and philosophy of the profession - "Health care professional" - 08.12.12 RK BAPZG St. Zagora. 9. "Quality in the Clinical Laboratory" 10.12.20Hr. - RK BAPZG Stara Zagora. 10. "Actual medical-laboratory and medical-ethical aspects in the work of medical specialists in patients with lung diseases" Regional forum BAPZG Stara Zagora.

From the submitted documents for participation in the competition, it is clear that Pavlina Teneva received the following diplomas and awards:

- Certificate for significant contribution to the research activity and rating of Trakia University for 2021

- Certificate "For contribution to the activity and development of MK at Trakia University - Stara Zagora - 70 years Stara Zagora Medical College - 2018.

- Certificate for contribution to the establishment and development of the specialty "Medical Laboratory Technician" in MK - Stara Zagora of Trakia University for 2016, etc.

Research activity

Pavlina Teneva, PhD submits for participation in the competition 24 publications and a monography on the topic "The pre-analytical stage - a guarantee of the reliability of the laboratory result".

The monography developed by Pavlina Teneva examines the organization of work in a clinical laboratory and possible omissions and errors. The steps in the pre-analytical stage, the requirements for the conditions, the technique of performing the procedures, sources of errors and guidelines for their standardization are thoroughly described. A separate chapter describes the types of biological material for research in the clinical laboratory, as well as the quality of the blood sample. The monography can serve to improve the effectiveness of the training of the students of the "medical laboratory technician" specialty.

The citations of the works of Pavlina Teneva, PhD submitted for participation in the competition are in bulgarian and foreign scientific publications with a total of 60 points.

Pavlina Teneva, PhD is involved in the following research projects:

- "Renin-angiotensin system, calcitriol and risk of developing hypertension in students with different blood pressure values and subjected to physical training" - project leader Prof. Dr. A. Tolekova, PhD

- "Study of the interactions between the hormonal systems Renin-angiotensin and Vitamin D in patients with type 2 diabetes" - project leader Prof. A. Tolekova, PhD

- "Functional study of persons who have undergone COVID-19 infection in the Stara Zagora region" - project leader Prof. Dr. A. Tolekova, PhD

- "Development of a preventive program to improve the quality of life of persons at risk of osteoporosis" - head Assoc. Dr. B. Chakarova.

- Scientific conference with international participation for teachers, students, health care professionals and specialists in the field of geriatrics and gerontology "Aging, health and geriatric care" - leader Prof. Hr. Milcheva, PhD

- Modernization of the learning process by including an interactive presentation system in the education of the students of the Medical College - Stara Zagora - head Assoc. Prof. Kremena Miteva, PhD

- Implementation of a complex of measures to improve the collaboration of the Medical College at Trakia University - Stara Zagora with the educational and practical bases" - head Assoc. Dr. D. Sivrev, PhD

The main directions of the scientific research and practical-applied activity of Pavlina Teneva, Ph.D. are the following:

1. Scientific and research contributions in the field of medical education in the professional direction "health care" - specialty "medical laboratory technician"

- A number of studies have been conducted regarding the organization of the theoretical and practical training of the students of the "medical laboratory technician" specialty; the problems of clinical practice and pre-graduate

internship are analyzed; recommendations have been made to improve practical training with the active participation of mentors.

- The level of the quality of education in the Medical College was studied based on the opinion of the students; the students' motivation for training in the professional field of "health care" was investigated; the factors that influence the professional orientation and the choice of the future profession are analyzed.

- The opinion of the students regarding the study of the study discipline "Clinical Immunology" for the specialty "medical laboratory technician" was investigated; the problems of the students' practical training and the acquired professional competencies of the graduated medical laboratory assistants for their future professional realization were investigated.

2. Research contributions to public health

- The awareness of the population regarding the use of antibiotics, as well as the problems resulting from their excessive use, was studied.

- The students' opinion on the role of health professionals in relation to behavioral risk factors in society was investigated.

- The possibilities for the use of narcotic substances among the students of the medical specialties and the resulting problems were analyzed.

- The awareness of students regarding vaccination against the human papillomavirus was investigated, and ways to increase the awareness of young people regarding the causes of modern infectious diseases were proposed.

- Attitudes and awareness regarding the benefit of systematic motor activity and sports were studied.

3. Research contributions in the field of clinical laboratory and multidisciplinary scientific studies

- The changes of cardiac enzymes, lipid profile and troponin in a hospitalized patient with acute coronary syndrome were analyzed; urine was analyzed in patients with pyelonephritis; lipid profile studies were performed on experimental animals with induced diabetes mellitus.

Teaching and learning activity

Superior lecturer Pavlina Teneva, PhD carries out teaching activities for the students of the "Medical Laboratory Technician" specialty in the following academic disciplines:

- Clinical laboratory - exercises - 360 hours
- Clinical practice – 300 hours

Pavlina Teneva participates in updating the curricula of the academic disciplines in which she teaches.

P. Teneva's participation in the Erasmus program:

- "SOSE DELCHEV" UNIVERSITY OF STIP, Republic of Macedonia (Faculty of Medical sciences) - 10.09 - 13.09. 2019

- Higher Medical School - Bitola "St Kliment Ohridski" University-Bitola - 9.06 - 17.06.2018

- "UNIVERSITY OF APPLIED SCIENCES FOR HEALTH PROFESSIONS UPPER AUSTRIA Linz, Austria - 25.04 - 26.04. 2017r.

- "COCE DELCHEV" UNIVERSITY OF STIP, Republic of Macedonia (Faculty of Medical Sciences) - 08.06 - 14.05. 2016

- "P. STRADINS COLLEGE OF THE UNIVERSITY OF LATVIA, JURMALA -
02.09 - 16.09. 2013r.

The documents presented by Superior lecturer Pavlina Teneva, PhD show continuous professional development and active participation in the research activities of the Medical College - Stara Zagora. The scientific indicators fully meet the minimum national requirements and the criteria of the Regulations of the Trakia University - Stara Zagora for holding the academic position "Associate Professor".

Minimum requirements by group of indicators for the academic position
"Associate Professor"

group of indicators	Content	Candidate Pavlina Teneva, PhD
A	indicator 1	50
B	indicator 2	-
V	indicator 3 or 4	100
G	Sum of the indicators from 5 to 9	266
Д	Sum of the indicators from 10 et 12	60
Total		476

Conclusion

The research and teaching activity of superior lecturer Pavlina Teneva, Ph.D. demonstrate her deep interests and desire to develop in the field of public health and health care. The submitted documents for participation in the competition fully correspond to and exceed the minimum requirements for occupying the academic position "Associate Professor" in Professional direction 7.4. "Public Health" and scientific specialty "Health Care Management". The above gives me reason to express my positive assessment and to recommend

to the scientific jury to award senior lecturer Pavlina Teneva, PhD the academic position "Associate Professor"..

06/05/2023

Reviewer:


Prof. G. Tchaneva, PhD