



STATEMENT

By Assoc. Professor Emiliya Petrova Georgieva, PhD,
Deputy Director College, “Career Development, Quality and Accreditation”
Medical College – Varna at
Prof. Dr. Paraskev Stoyanov Medical University - Varna
Member of Scientific Committee, under Order No.1334/19.04.2023

Regarding: Competition for the academic position of “Associate Professor” in Health Care Management, main specialty *Medical Laboratory Technician*, field of higher education 7. Health care and sports, professional direction 7.4. Public Health for the need of specialty *Medical Laboratory Technician* full-time position at Medical College at *Trakia* University – Stara Zagora, announced in SG issue 26/21.03.2023

1. General presentation of the procedure

The procedure for announcing the competition for acquiring the academic position “Associate Professor” has met all requirements. Only one candidate – lecturer Pavlina Penkova Teneva, PhD submitted documents within the legal deadline. The materials provided by the candidate contain all the necessary information for evaluation and correspond to the Regulations for the Development of the Academic Staff at *Trakia* University – Stara Zagora.

2. Biographical data and professional development

Senior lecturer Pavlina Penkova Teneva, PhD was born on December 14, 1978 in Stara Zagora. She acquired a degree specialist - Medical Laboratory Technician at *Trakia* University Medical College Sliven in 2000. She graduated with a Bachelor’s degree from the Veliko Tarnovo University *St. St. Cyril and Methodius* - Veliko Tarnovo, and in 2009 acquired a Master’s degree in Health Care Management at *Prof. Dr. Paraskev Stoyanov*, Medical University, Varna.

In 2023 she acquired a Doctoral degree in the field of Higher Education 7. Health Care and Sports, professional direction 7.4. Public Health, scientific specialty Health Care Management with topic: “Practical training of medical laboratory workers for the forming of professional skills and competencies” at *Prof. Dr. Paraskev Stoyanov*, Medical University – Varna.

In the period 2001 – 2009 she held the position Medical laboratory technician at University Multi-Profile Hospital for Active Treatment Stara Zagora - EAD in Stara Zagora in sector: Central Clinical Laboratory. In 2012 – 2014 she worked as a Medical laboratory technician at *Beroe* Medical Complex – Stara Zagora. In 2009 – 2016 she worked as a Lecturer and Head of the *Medical Laboratory Technician* specialty at the Medical College of *Trakia* University Stara Zagora. In the period 2016 – 2019 she was a senior lecturer in specialty *Medical Laboratory Technician* at the Medical College of *Trakia* University Stara Zagora. From January 2020 and

until now she holds the position Deputy Director of the Medical College at *Trakia* University Stara Zagora.

3. Educational and teaching activity

Senior lecturer Pavlina Penkova Teneva, actively participates in conducting exercises and educational practice of students in the *Medical Laboratory Technician* specialty at Medical College – Stara Zagora. The academic workload fully covers the normative timetable for a lecturer without an academic rank, accepted at the *Trakia* University Stara Zagora.

She has 5 specialisations under the Erasmus Programme in Bulgaria and abroad.

She has participated in 10 thematic continuing education courses related to her professional development (Automation in the clinical laboratory; Quality in the clinical laboratory; Transfusion hematology – immunohematological diagnostics in patients with upcoming blood transfusion in emergency and planned conditions, etc.). She has actively participated in 10 projects with university funding, some of them with European co-financing.

The four diplomas and certificates awarded to senior lecturer Pavlina Penkova Teneva, PhD are related to a significant contribution to the publication activity and rating of *Trakia* University, contribution to the activity and development of the Medical College - *Trakia* University, Stara Zagora, contribution to the establishment and development of the specialty *Medical Laboratory Technician* - MC Stara Zagora, etc.

Senior lecturer Pavlina Penkova Teneva, PhD can write and speak in English and Russian. She has good organisational and communication skills for work in a team and work with students. She has good computer competence and skills with the programmes: Office Word, Excel, Power Point, etc.

4. Scientific research activity

Senior lecturer Pavlina Penkova Teneva, PhD participated in the competition with a total of 24 scientific publications, published in Bulgarian and international refereed journals and 1 monograph. Out of the total number of publications presented, the candidate is the first author of 7 of them, the second author of 11 of them, and third and consequent author of 6 of them.

The candidate makes a total of 12 citations of her own scientific works (9 in international and 3 national).

The presented monographic work *The pre-analytical stage - a guarantee of reliability of the laboratory result* thoroughly and in detail examines the precision in presenting each step of the pre-analytical stage, the requirements for the conditions and the technique for performing all procedures, the sources of errors and the guidelines for their standardisation in order to prevented and largely exclude the influence of pre-laboratory factors on laboratory results. It reveals the possibilities of the strict implementation of all procedures in the pre-analytical stage being a guarantee of obtaining a reliable laboratory result.

4.1. Thematic orientation and contributions of scientific works

The candidate's scientific interests are implemented through purposeful and sustainable scientific development and publication activity. Thematically, the scientific works of senior lecturer Pavlina Penkova Teneva, Ph.D. are in accordance with the professional direction of the announced competition. Scientific research contributions are mainly based on statistical/survey studies in three directions:

- The scientific and research contributions in the field of medical education in the professional direction Health Care, specialty *Medical Laboratory Technician* at Medical College – organisation and quality of training, motivation and professional realisation (No.2,5,7, 8,11,12,14,15,16,18,22 and 24).

The main factors determining the leading role of clinical practice in the training of medical laboratory workers were analyzed, as a prerequisite for subsequent successful implementation. A study was made on the motivation of the students from professional field Health Care at *Trakia* University. The level of satisfaction with teaching methods, means and approaches was established. The factors that influence professional orientation, choice and attitudes towards a future profession were analyzed. Studies were conducted on the most frequently used interactive methods applied in practical training and their role in shaping the future professional image of specialties in medical colleges.

- Scientific and research contributions in the field of public health (No.4, 6,9,10,13,17 and 19).

Antibiotic resistance is one of the biggest threats to global health today. The current public awareness and understanding of the problem of the widespread use of antibiotics among the population of the city of Stara Zagora was studied. An in-depth analysis was made of the attitude of medical students towards the use of narcotic substances. Through a descriptive study, data was collected on the awareness of the students of Medical College Stara Zagora about the human papilloma virus and the vaccine against it. The students' awareness of the human papillomavirus, as well as of the vaccine against it, has been proven to be relatively high.

- Scientific and research contributions in the field of clinical laboratory and multidisciplinary scientific studies (No.1,3, 20,21,22 and 23).

The changes in the clinical and laboratory indicators in a number of pathological processes and socially significant diseases have been studied. The changes of cardiac enzymes, lipid profile and troponin in hospitalized patients with Acute Coronary Syndrome are analysed and presented. An analysis of the characteristic laboratory findings in the urine in patients with pyelonephritis, as well as the changes in the blood picture and some biochemical indicators, is presented. Review studies related to sleep regulatory hormones and serum levels of Vitamin D have been conducted.

The scientific output of the candidate in these directions has an original and contributing character and is distinguished by the use of the results in clinical-laboratory practice and the training of students at a medical college.

Conclusion

The documents presented by senior lecturer Pavlina Penkova Teneva, PhD as a candidate for participation in a competition for the acquisition of the academic position “Associate Professor”, fully meet the scope and content of the requirements of the Development of the Academic Staff in the Republic of Bulgaria Act, the Regulations for its Application at *Trakia University - Stara Zagora*.

To what has been presented so far, I would like to add my personal impressions of senior lecturer Pavlina Teneva, Ph.D. as a responsible, loyal, responsive colleague and a competent, creative teacher, respected by colleagues and students.

I give POSITIVE ASSESSMENT and have reason to propose to the honourable scientific committee to vote in favour of awarding lecturer Pavlina Penkova Teneva, PhD the academic position “Associate Professor” in Health Care Management, field of higher education: 7. Health care and sports, professional direction 7.4. Public Health for the needs of specialty *Medical Laboratory Technician* at Medical College at *Trakia University – Stara Zagora*.

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Statement prepared by: .....
(Assoc. Prof. Emiliya Georgieva, PhD)