

## Academic review

by Assoc. Prof. Dr. Assya Konsulova-Kirova, DM, MD

Member of the scientific jury, concerning a competition for the academic position "Associate Professor" in the field of higher education 7. "Health and Sport" in professional field 7.1 "Medicine" and scientific specialty "Clinical Laboratory" for the needs of Prof. Dr. Asen Zlatarov University, Sofia Burgas, announced in the State Gazette, no. 45/17.06.2022.

The review is in accordance with the requirements of the Academic Staff Development Act in the Republic of Bulgaria and the Regulations on the Conditions and Procedure for Acquisition of Scientific Degrees and Holding of Academic Positions at Prof. Dr. Asen Zlatarov University, Burgas and in accordance with Order No. RD-274/15.09.2022 of the Rector of the University.

One candidate - Dr. Mariyana Georgieva Yordanova-Vasileva PhD - participated in the announced competition and was admitted.

The documents submitted by Dr. Mariyana Georgieva Yordanova are correctly arranged and are fully compliant with the requirements of the Academic Staff Development Act in the Republic of Bulgaria (AASDRB), Implementing Regulation and the Regulation on Acquisition of Academic Degrees and Occupation of Academic Positions at the „Prof. Dr. Asen Zlatarov“ University Burgas.

### 1. Candidate's Career Profile

Dr. Mariyana Georgieva Yordanova-Vasileva, PhD graduated from the Higher Medical Institute in Varna with a Master of Medicine in 1987. She worked as an occupational physician and, in 1990, as a resident doctor in the II Internal Department in the Workers' Hospital, Shumen. From 1998 to 2004, she was assigned as a radiobiologist to the Hygiene-Epidemiology Inspection - Varna, in the Department of Radiation Hygiene. Since 2004, she has worked at the Medical Military Academy-MBAL-Varna as the head of the Department of Clinical Laboratory and Immunology. In the period from 2007 to now, she was also the head of several laboratories in pre-hospital care: 2007-2011 DCC St. Ivan Rilski, Asparuhovo quarter, 2011-2013 DCC Chaika, Varna, 2013-2018 DCC St. Marina Varna, 2018- until now IMDL Stealth 2013, Dobrich. In 2002, she was a part-time lecturer in Radiobiology at the Medical College, Varna, specializing in X-ray laboratory technician. From 2011 to 2013, she was a part-time assistant, and from 2013 she held the position of Assistant at the Clinical Laboratory Department of the University of Varna. In the period 2011-2015, Dr. Yordanova taught a lecture course on Radiobiology in systems for renewal of permission to work in an environment of ionizing radiation at Naval Academia - "Nikola Vaptsarov"-Varna.

Dr. Yordanova has an additional completed professional qualification in Health Management at UE-Varna.

In 2021 Dr.Yordanovadefended her thesis on "Comparative study of biochemical markers in different biological matrices in patients with chronic diseases of the gastrointestinal tract". Diploma ESD "Doctor" in Clinical Laboratory No 434/20.05.2021, issued by Medical University Prof. Dr.ParaskevStoyanov, Varna.

She is fluent in written and spoken Russian and has basic knowledge of English.

## **2. Research activity:**

Dr.Yordanova's research interests include scientific areas focused on the study of salivary biomarkers not only in the diagnosis and monitoring of gastroenterological diseases, which is the topic of her dissertation, but also the use of this innovative biological material to assess oral status, psychological distress, and decompression risk in divers. Of interest is the study of oxidative stress and body antioxidant protection in normal and various pathological processes. Perhaps a similar study is unique in Bulgaria, conducted in patients with chronic gastrointestinal diseases and the specific occupational group of divers. Many of Dr.Yordanova's scientific publications address oxidative stress in various other pathological conditions, linking it to the pathogenesis of chronic inflammation and, tissue damage, cardiovascular disease. All of the candidate publications correspond to the topic and content of the professional field and are in the scientific speciality of the announced competition, "Clinical Laboratory".

The scientific parameters of Dr.Yordanova were evaluated based on the documents submitted for the competition, which contain one scientific work - a monograph in which the candidate is the sole author. Of the submitted materials for published articles in refereed and indexed world-known databases of scientific information (Scopus and Web of Science) - 1 pc and publications and reports in non-refereed journals withscientific peer-reviewed or in edited collective volumes - 31 pcs., 18 of which Ph. Yordanova is the first, five the second and nine the third author. More significant publications (19) are in foreign scientific journals, and 12 are in national publications. Participation in national and international scientific forums with posters and papers is 30, for which the candidate has provided a list and copies of abstracts printed in the 'Proceedings'.

All the scientific works with which the candidate participates in the competition do not overlap with the publications submitted in defence of the thesis. A reference from the National Library of Medicine, Sofia, is provided for the author's articles that have been cited up to 17.08.2022: 2 times by Bulgarian authors and 15 times in foreign scientific sources, which supply 125 points out of the required 60 in indicator E. Dr.Yordanova is a proven professional with two specialities and has participated in several studies and educational projects:

"Investigation of the effect of Aronia melanocarpa fresh fruit juice intake on carbohydrate metabolism and oxidative stress in patients with type 2 diabetes mellitus at different ages" (2014-2016).

"Evaluation of predictors and prognostic indices of clinical course and treatment effect in patients with rheumatoid arthritis" (2014-2018).

"Comprehensive oral diagnosis of children and adolescents with diabetes mellitus and obesity" (2015- 2017).

"Student practices"- phase 1 and phase 2 under the OP of the Ministry of Education and Science "Science and Education for Smart Growth" as a mentor and academic tutor.

### **3. Teaching Activity:**

The teaching activity of Dr. Mariana Yordanova is related to the teaching process in the Department of Clinical Laboratory of Medical University "Prof. ParaskevStoyanov - Varna. In 2002, she was a part-time lecturer in Radiobiology at the Medical College, Varna, for the speciality of X-ray laboratory technician, and from 2011 to 2013 - she was a part-time assistant in the Clinical Laboratory. Since 2013, she has held the position of assistant at the Department of Clinical Laboratory at MU-Varna.

She taught as an assistant at MU-Varna (lectures, exercises, and LED) to students from the following specialities: Medicine, Nursing, Midwives, Medical Laboratory assistants and Master of Pharmacy). She developed curricula and programs, a lecture course, and exercises. In addition, since 2007, her teaching activity has been expanded with annual courses (2 courses) for postgraduate qualification for doctors and medical specialists from the Plan - schedule of classes at the Academy of Military Medical Sciences.

Between 2011-2015, she taught a lecture course on Radiobiology in systems for renewal of permission to work in an environment of ionizing radiation at Naval Academia -"Nikola Vaptsarov"-Varna.

From the attached academic references, it is clear that her high total classroom occupancy of 330 study hours for the last academic year.

From 2013-2018, Dr. Mariyana Yordanova was the supervisor of two clinical laboratory specialists who had already successfully passed their state exam in the speciality.

### **4. Diagnostic and therapeutic activity**

Dr. Mariyana Yordanova is a clinical doctor with a total of 32 years of work experience, 18 years of experience in the Clinical Laboratory speciality, and leads the laboratory of the VMA-Varna, which is the third level of competence. This also determines the variety and specializations in different fields of medical science. She has acquired qualifications in immunology, radiobiology, rectoscopy, and fibrogastroscopy, also conducted numerous specializations in Clinical Laboratory, Clinical Immunology and Virology. In her long-term practice, Dr. Yordanova builds on her training and professional affirmation - as confirmation is that her expert opinion in cases of poisoning is relied on by the Ministry of the Interior's Institutions - Targovishte, Razgrad, Shumen.

### **5. Conclusion:**

Dr. Mariyana Georgieva Yordanova-Vasileva is an established clinical physician and teacher, possesses the necessary qualities and meets the criteria for holding the academic position "Associate Professor", according to the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Rules for its Application and the Rules for Conditions and the order

for acquiring scientific degrees and occupying academic positions at the University "Prof. Dr. Asen Zlatarov" - Burgas. From the presented materials and references, Dr. Mariyana Georgieva Yordanova-Vasileva PhD fulfils and exceeds the minimum scientometric requirements for the academic position "Associate Professor": indicator A- 50; indicator C- 100 points.; indicator D-514 item; indicator E-125 item; and indicator F 220.

From what has been stated so far, I have reason to vote positively for the election of Dr. Mariyana Georgieva Yordanova-Vassileva, PhD, in the academic position of "Associate Professor" in the scientific speciality Clinical Laboratory at the University of "Prof. Dr Asen Zlatarov", Burgas.

Date: 10.11.2022  
Burgas

Signature: ..  
(Associate Prof. Assya Konsulova-Kirova, MD, PhD)

3/1201

10	10	100
50	100	1000
20	20	200
101	2	201

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