

## OPINION

by

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Member of the Scientific Jury, designated by Order No. R-109-234 / July 26, 2019 by Prof. Dr. Krasimir Ivanov, MD, PhD - Rector of Medical University Prof. Dr. Paraskev Stoyanov, Varna.

Subject: Competition for the occupation of the academic position Associate Professor in the field of higher education Health and Sports, in the professional field Public Health and scientific specialty "Medicine of disasters" for the needs of the Department of Medicine of disasters and marine medicine, Faculty of Public Health at the Medical University of Varna.

### **Brief information about the competition**

By order No. R-109-234/26.07.2019 of the Rector of the Medical University-Varna I was appointed to prepare an opinion. The competition was announced in the State Gazette no. 43 / 31.05.2019. Senior Assistant Professor Nikolina Radkova Radeva is the only candidate. The procedure for announcing the competition is in accordance with the requirements of the Law for the Development of the Academic Staff in the Republic of Bulgaria / 05.05.2018 and with the Rules for the Development of the Academic Staff in the Medical University-Varna / 29.10.2018.

### **Short details of the applicant**

Nikolina Radkova Radeva completed her secondary education in 2002 at the Vth Language High School Yoan Ekzarch, Varna. In 2007 she acquired Bachelor Degree in Tourism at the Economic University, Varna, and in 2008 Master of Science Degree of Corporative Financing at the same University. In 2010 she continued her higher education and in 2012 she graduated as Master in Health Management at the Medical University in Varna. She started her professional career in 2008 in the touristic business as an auditor. In 2012 Mrs Radeva was appointed as an expert in the Department of International Projects and Programs in MU, Varna. In May 2015 she successfully won a competition for an Assistant Professor at the Department of Medicine of Disasters and since then she has served as the Administrative Assistant Professor. Since March 2019 she has been appointed as Coordinator in the University Centre of Marine Health Care. Mrs Radeva masters English, French, Russian, and German languages.

### **Specialties acquired and postgraduate qualifications**

Senior Ass. Prof. N. Radeva has various specialisations and activities in different directions of the social life, mostly related to actions in disasters and accidents, NATO conferences, as well as quality management and intellectual property protection.

### **Specializations:**

She had participated in different educational and qualification courses in Bulgaria and with international participation in the field of antiterrorism, organization and protection of the population in disasters and accidents, and in naval medicine.

### **Projects:**

She has participated in several national and international projects, as a coordinator and as a participant. We may distinguish 2 international projects: "EU Joint Action on Health workforce planning and forecasting – EUHWforce" within the EC Health Program, and "European scientists' night 2014" within the Project Horizon 2020. As well as 2 national projects within Operational Program "Development of the human resources".

### **Professional Experience**

Nikolina Radeva has a rich and multifaceted professional experience but during the last ten years it is devoted to the problems of protection from disasters and accidents both in organizational and educational aspect.

In terms of professional qualification, she fulfills the requirements for habilitation.

### **Research activity**

Senior Ass. Prof. Nikolina Radeva received her PhD degree in 2018 after successfully defending her dissertation on the topic: "Stress prevention as an important problem for groups at risk in disaster situations".

In this competition, the applicant presented the following scientific data (44 publications in total):

- a monography with a total volume of 142 pages on the topic: "Modern aspects of population protection in disaster crises" – 2019, 100 points.

- Publications:

- A. To fulfil the minimal state requirements by the Law from 2018 and the Rules of MU-Varna / 2018: 314 points.

- o In scientific publications, abstracted or indexed by world famous databases WOS or Scopus: in full text – 1.

- o In non-refereed scientific peer-reviewed journals or in published collective volumes: in full text: in journals - 24.

o Monography which is not presented as major habilitation work “The right to work – the right to live a worthy life” - 1.

B. Articles in non-refereed journals with scientific review beyond the required minimum state requirements - 5.

- Participation in international, national and regional scientific events – 51 with 35 presentations with total page volume 175 pages.

***Number of citations:***

In monographies and collective volumes with scientific review – 1, 10 points.

In non-refereed journals with scientific review – 8, 40 points

50 points in total.

Senior Ass. Prof. Nikolina Radeva is an individual author in 1 publication, first author in 22, second author in 10, and third and subsequent in 15 of all scientific papers.

Thus, the publication activity on this indicator exceeds the minimum state requirements of the Law and of the Regulations of the Medical University of Varna for acquiring the academic position of Associate Professor.

**Scientific achievements and contributions**

Nicolina Radeva's main scientific contributions are related to the major directions in the disciplines “Medicine of disasters”, “Medical support during disaster situations”, “Readiness for disasters and accidents”, “Preparation fir terrorist attacks and antiterrorism”. These contributions have both scientific and research merits, as well as practical and implementation values which are summarized in the following ways:

- Analyses of definitions and basic terms used in emergency medicine and other related disciplines. Classifications. Basic characteristics of disasters.
- Chemical accidents and consequences for Varna region causing health and environmental problems.
- Management, planning, and organization of population protection in case of disasters.
- Medico-geographical characteristics of ecological accidents and consequences - in-depth studies of floods, fires, earthquakes, etc. disaster situations have been made.
- Psychological problems (stress) in disaster situations.
- Surveys on assessing the awareness and training of medical personnel and the population in emergency situations.
- Studies on at-risk groups and specifically in disabled people.
- Analyses of the medical consequences of disasters and recommendations for improving the health of the population.

As a result, after studying national and international legislative and regulatory documents, an analysis and systematization of different plans for the protection of the population in case of

disasters and models for management of the measures for reducing the consequences in the European Union and in particular the Republic of Bulgaria were made.

The assessment of the risk factors from disasters is the basis on which the consequences are predicted, the ways of dealing with them are clarified, the necessary preventive measures are taken to limit the consequences, the organization of emergency measures and the elimination of the negative effects are pointed out.

She is also involved in interventional studies on experimental animals about the importance of physical activity on the distribution of harmful substances in the body, as well as in patients with thyrotoxicosis to study their motor neuronal responses. Her interests also extend to environmental problems with pollution of the oceans and the Black Sea in particular, as well as the readiness for response to environmental disasters. An important social contribution is also the study of the problem of social integration of disadvantaged groups together with the Society of the Disabled People in Varna.

The various surveys conducted on the awareness of the population and students about crisis situations give a snapshot of the problems and potential areas for action for arising this social and professional engagement.

N. Radeva also has two study guides for students and trainees. Her original contribution is the first bilingual terminology vocabulary on medicine of disasters, issued by a team with her participation, containing more than 1200 terms, their definitions and abbreviations used.

#### ***Educational and teaching activities:***

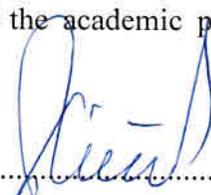
N. Radeva has a total of over 4 years of teaching experience after her appointment as an assistant professor in 2015. Since May 2018, she has been appointed as a Senior Assistant Professor at the Department of Disaster Situations and Marine Medicine. Average workload with lectures and practical lessons for the last 4 years is 339 hours with Bulgarian and English speaking students. She is also the coordinator of the University Center for Maritime Health of the Medical University of Varna since March 2019.

#### **Conclusions:**

Nikolina Radkova Radeva is a well-established professional in the field of medicine of disasters and emergencies, with extensive knowledge and skills, with excellent professional training and proven quality. She has accumulated teaching experience and is respected by her students and colleagues. Her scientific output is sufficient in volume, covers more than the minimum state requirements, and shows a variety of interests, publications are in different journals. It complies with the requirements of the Academic Staff Development Act in the Republic of Bulgaria and the Rules for the Academic Staff Development in the Medical University of Varna. This gives me reason to recommend to the honorable members of the scientific jury to vote positively for the appointment of the academic position "Associate Professor" of Nikolina Radkova Radeva, PhD.

11.09.2019

Varna



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/Prof. Dr Yoto Trifonov Yotov, PhD/