

## **REVIEW**

**by Assoc. Prof. Angela Zdravkova Gusiyska, DMD, PhD**

**MU-Sofia, FDM, Department of Conservative Dentistry**

Member of the Scientific Jury of the competition for the academic position of "Associate Professor" in the scientific specialty "Pediatric Dental Medicine"

for the needs of the Department of Pediatric Dental Medicine at FDM-MU-Varna, based on order R-109-315 / 07.08.2020. of the Rector of MU - Varna, announced in the State Gazette, issue 53 / 12.06.2020

Two candidates are allowed to participate in the competition. They are arranged alphabetically according to their surname:

Dr. Sirma Todorova Angelova, PhD, Senior Assistant at the Department of Pediatric Dental Medicine, Faculty of Dental Medicine, Medical University - Varna.

Dr. Milena Todorova Georgieva - Dimitrova, PhD, Senior Assistant at the Department of Pediatric Dental Medicine, Faculty of Dental Medicine, Medical University - Varna.

Candidates meet the minimum requirements according to the Regulations for the development of the academic staff at the Medical University "Prof. Dr. Paraskev Stoyanov" - Varna for holding the academic position of "Associate Professor".

### **1. Dr. Sirma Todorova Angelova, MD**

#### **Biographical data**

Dr. Sirma Angelova was born on December 14, 1980 in the town of Dobrich. In 2005 he graduated from the University of Economics - Varna with a degree in international finance. In 2011 graduated in dentistry at MU-Varna and was accepted as an assistant in the Department of Pediatric Dental Medicine in the same year. In 2015 he acquired a specialty in Pediatric dental medicine, and in 2017 acquires PhD in the same specialty. Since 2018 he has been a senior assistant at the Department of Pediatric Dental Medicine. She speaks English and German.

## Research activity

In this competition Dr. Sirma Angelova participated with a total of 22 scientific papers and 12 abstracts, which reflect the research activities in the period 2011/2020 as the publications in connection with the dissertation work and acquisition of PhD are not included.

- **Monograph** (habilitation thesis) - Epigenetic and genetic aspects of oral health in children with pyelonephritis. Varna: MU-Varna; 2019. 219 pp. ISBN: 978-619-221-201-8.
- **Full text publications** - 21
- independent author - 13
- first author - 2
- third and subsequent author - 1
- articles for printing - 1
- case report - 1
- Research and development - 12
- publications in international peer-reviewed journals - 3 issues
- One of the presented publications is with IF 3.267.
- **Published abstracts** - 12
- citations - 25, of which 3 citations are in referenced editions.
- The priority research interests and field in which Dr. Angelova works is Pediatric Dental Medicine.

After analysis of the scientific publications of Dr. Angelova, coincidences and identity of the content are established:

- number of articles with content identity:
  - **No. 2** of item 6 "Publications and reports published in non-refereed journals" with No. 3 of item 6 "Publications and reports published in refereed journals";
  - **No. 7** of item 6 "Publications and reports published in non-refereed journals" with No. 1 of item 6 "Publications and reports published in refereed journals", as well as No. 1 of item 6 "Publications and reports published in non-refereed journals";
  - **No. 10** of item 6 "Publications and reports published in unreferenced journals" with No. 3 of item 7 of PhD;

- **No. 11** of item 6 “Publications and reports published in non-refereed journals” with No. 6 of item 6 “Publications and reports published in non-refereed journals”.

### **Teaching activity**

The attached report shows that Dr. Angelova actively participates in the teaching activities of the Department of Pediatric Dental Medicine and has the required average annual workload of the Regulations for the development of academic staff:

For the academic year 2017-2018 the workload is 502 hours ;

For the academic year 2018-2019 - 526 hours;

For the school year 2019-2020 - 438 hours.

### **Clinical and diagnostic activity**

Dr. Sirma Angelova has 9 years of experience as a dentist specializing in Pediatric Dental Medicine. She does not submit a report on the clinical and diagnostic activities performed by her at UMDC.

### **Conclusion**

The published scientific works of Dr. Angelova are original and affect a narrowly specialized part of the spectrum of Pediatric dental medicine, but the established repetitions (articles with identical content) reduce the quantitative volume of research.

## **2. Dr. Milena Todorova Georgieva - Dimitrova, PhD**

### **Biographical data**

Dr. Milena Georgieva was born on January 3, 1989 in Veliko Tarnovo. He graduated in 2008. at Natural And Mathematical High School“Vasil Drumev”. She graduated from MU-Varna in 2014 with a specialty in Dental medicine. Since 2015 he has been a full-time assistant and since 2016 - a regular assistant in the Department of Pediatric Dental Medicine. Since 2016 Dr. Milena Georgieva is also administrative assistant of the Department. In 2018acquired the PhD in the scientific specialty "Pediatric Dental Medicine" with a protective dissertation on the topic "Indirect aesthetic restorations made with the help of CAD-CAM- technologies under permanent children's teeth". Since 2019 he has been Senior assistant professor in the Department of Pediatric Dental Medicine at the FDM,MU - Varna. She speaks English and Russian.

## **Research activity**

In this competition Dr. Milena Georgieva participates with a total of 25 scientific works that reflect the research activity in the period 2016/2020, not including publications in connection with the dissertation work and acquisition of the PhD.

**Monograph** (habilitating work) - Main problems in children's dental medicine. Restoration of severely destroyed children's teeth. Varna: MU - Varna; 2020. 172 p. ISBN: 978-619-221-263-6.

### **Full-text publications - 24**

from the general list of publications, 6 publications are overview, with a bibliography with more than 20 references.

- independent author – 8 publications
- first author – 4
- second author – 7
- third and subsequent author – 7
- articles under print - 1
- case report - 4
- original papers - 14
- publications in international reference journals - 6
- citations - 23, of which 4 quotes are in referenced editions.

The priority scientific interests and areas in which Dr. Georgieva works are: Pediatric Dental Medicine, Surgical Dental Treatment and Endodontics, Dental Implantology and Prosthetic Dental Medicine.

### **Contributions related to the main strands of scientific work:**

1. For the first time in Bulgaria, a detailed risk profile and assessment of caries risk in children aged 5-7 years is made, depending on the risk and protective factors inflicted in a selected tool for assessing the risk of tooth decay. The percentage distribution of children of this age group in terms of carbohydrate intake, oral hygiene, fluorine prophylaxis, caries activity of the child and parents, visits to the dental office, socio-economic status of the family is presented in detail.
2. For the first time in Bulgaria, a comparative assessment of the behavior of children aged 5-7 years in the dental office by the dental doctor, on the simplified scale of Frankel and the accompa-

nying parent was made, using a detailed questionnaire (survey), which is relevant for the choice of treatment method, restorative material and the result of the dental treatment.

3. For the first time in Bulgaria, a detailed study was carried out on the prevalence of malocclusion in children from northeastern Bulgaria and a comparative assessment of children with medium and severe form of malocclusion from urban and rural areas.

4. For the first time in Bulgaria a systematic study of the literature concerning the use of reformed crowns in children's dental medicine was presented - the indications for their application, advantages and disadvantages, methods and protocols for their use. Hall's technique was also presented for the first time as a method of minimally invasive treatment of proximal dentin carious lesions.

### **Teaching activity**

The attached report shows that Dr. Georgieva is actively involved in the teaching activities of the Department of Pediatric Dental Medicine and has the required average annual workload from the Academic Staff Development Regulations:

For the school years 2017-2018 the workload is 488 hours;

For the school year 2018-2019 - 310 hours;

For the school year 2019-2020 - 419 hours.

### **Clinical and diagnostic activity**

Dr. Milena Georgieva has 6 years of experience as a dental doctor with a specialty in Pediatric Dental Medicine. In accordance with the requirements of Annex 2 of the Rules for the Development of academic staff of MU-Varna, Dr. Georgieva has applied a reference to her clinical and diagnostic activities at the UMDC for the last 3 years. The report shows that she is proficient in a wide range of manipulations not only within the scope of Pediatric Dental Medicine, but also Operative dental treatment and Endodontics, Oral surgery, Periodontology and Prosthetic dental medicine. It should also be noted that Dr. Georgieva's experience as a clinician in the field of pharmacological response to children's behavior and treatment under general anesthesia.

### **Conclusion**

The published scientific developments of Dr. Georgieva are distinguished by originality and affect a wide range of modern problems in children's dental medicine. The required criteria of MU - Varna, FDM for scientific audience activity for the position of "Associate Professor" are fulfilled.



**Overall conclusion:**

Both candidates qualify for an academic position "associate professor". After analyzing the documentation provided by the candidates, I propose the following ranking:

Milena Todorova Georgieva MD - Dimitrova, PhD

Sirma Todorova Angelova, PhD

I propose to the Honorable Scientific Jury to award the academic position "Associate Professor" in the scientific specialty "Pediatric Dental Medicine" for the needs of the Department of Pediatric Dental Medicine at the FDM, MU-Varna to Dr. Milena Todorova Georgieva - Dimitrova.

16/10/2020

Assoc. Prof. Dr. Ангела Гусийска, DMD, PhD

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke, positioned above the printed name of the signatory.