

Review

from

Professor Doctor Yavor Kalatchev, PhD

Department of Prosthetic Dentistry, FDM, Medical University – Plovdiv

In terms of the competition for the academic position ‘Associate Professor’ - **one place in the specialty of Pediatric Dentistry**, professional field 7.2. Dentistry, field of higher education 7. ‘**Health and Sports**’, for the needs of the Department of Pediatric Dentistry at FDM, MU-Varna.

The competition was announced in the Public Newspaper, issue number 53/12.06.2020.

According to the Regulations of MU-Varna, two candidates are admitted to the competition (arranged in an alphabetical order of the first names):

- 1. Dr. Milena Todorova Georgieva, PhD**
- 2. Dr. Sirma Todorova Angelova, PhD**

1. Dr. Milena Todorova Georgieva, PhD

Career profile analysis of the candidate:

Dr. Milena Todorova Georgieva-Dimitrova was born on January 3, 1989 Tarnovo

2008 – graduated from Vasil Drumev High School of Natural Sciences and Mathematics

2014 – graduated from FDM-Varna, as an excellent graduate

2015 – an Honorary Assistant Professor in the Department of Pediatric Dentistry – FDM, Varna.

2016 – an Assistant Professor in the Department of Pediatric Dentistry – FDM – Varna.

2019 – **acquires a specialty in ‘Pediatric Dentistry’.**

2018 – **acquires a PhD** – topic of the dissertation:

"Indirect aesthetic restorations made with the help of CAD/CAM technologies in permanent children's teeth"

2020 – enrolled in the specialty ‘Operative dentistry and endodontics’

Internship in the specialty – 5 years, 11 months and 11 days

Language skills:

English, Russian

Educational workload:

The educational workload for the last 3 years of Dr. Georgieva includes lectures and practical classes in Bulgarian and English. According to the norm by decision of the Academic Council of MU-Varna of 360 hours, the classroom employment for the last 3 years of Dr. Georgieva is totally:

2017/2018 - 488 hours

2018/2019 - 310 hours

2019/2020 - 419 hours

Scientific works of Dr. Georgieva

1. **An abstract** of the dissertation
2. **A monograph** – Main problems in pediatric dentistry. Restoration of severely damaged children's teeth. Varna, 2020.
3. **24 publications** in journals and collections
3 publications related to the dissertation
(not subject to review)

In the above-mentioned scientific works Dr. Georgieva is:

- ❖ **A single author** – in 8 scientific papers
- ❖ **A first author** – in 4 publications
- ❖ **A second author** – in 7 publications
- ❖ **A third author** – in 3 publications
- ❖ **A fourth author** – in 4 publications

According to a reference prepared in the library of MU-Varna

6 of the above-mentioned scientific papers have been published in journals that are indexed in the **Web of Science** database

Participation in scientific forums

✚ **National forums** – 1

✚ **International forums in Bulgaria** – 2

Dr. Georgieva also presents 22 certificates for participation in seminars, symposia, etc.

Citations of the scientific papers

Dr. Georgieva presents a list of 23 positive citations of her scientific papers, of which:

- ❖ 4 – in scientific journals, referenced and indexed in world-famous databases
- ❖ 19 – in unrefereed journals with scientific review

Dr. Georgieva presents a reference for registered scientific profiles in: Google Scholar, ORCID, ResearchGate, SciProfiles

Contributions of the scientific works of Dr. Georgieva

The main directions in the research work are related to pediatric dentistry, aesthetic dentistry, endodontics, restorative dentistry, materials for restoration of damaged teeth.

The more important contributions in these directions are:

- ❖ A detailed clinical registration of the relative proportions of carious lesions with diagnostic threshold D1 in adolescents from Varna has been made.
- ❖ The high prevalence of caries in children aged 12-18 years was confirmed, as well as the intensity of caries by groups of teeth and tooth surfaces.
- ❖ For the first time in Bulgaria a detailed risk profile and caries risk assessment was made for children aged 5-7 years, depending on the risk and protective factors applied in a chosen tool for caries risk assessment. The percentage distribution of children in this age group in terms of carbohydrate intake, oral hygiene, fluoride prevention, caries activity of the child and parents, visits to the dental office, the socio-economic status of the family is presented in detail.
- ❖ For the first time in Bulgaria a comparative assessment of the behavior of children aged 5-7 years in the dental office by the dentist, on the simplified scale of Frankel and the accompanying parent, using a detailed questionnaire (survey), which is important for the choice of treatment method, restorative material and the result of the dental treatment.
- ❖ For the first time in Bulgaria the connection between the child's behavior in the dental office and premature tooth loss is described.
- ❖ For the first time in Bulgaria a detailed study was conducted on the prevalence of malocclusions in children from Northeastern Bulgaria and a comparative assessment of children with moderate and severe forms of malocclusion in urban and rural areas, etc.

2. Dr. Sirma Todorova Angelova

Career profile analysis of the candidate:

Dr. Sirma Todorova Angelova was born on December 14, 1980 in Dobrich
1999 – graduated from the Foreign Language High School – Dobrich, profile English and German

2005 – graduated from the University of Economics, Varna, Master of International Finance

2011 – graduated from FDM – Varna

2015 – **acquired a specialty in ‘Pediatric Dentistry’.**

2017 – **acquired a PhD** – topic of the dissertation:

‘Assessment and prevention of the risk of caries in children suffering from certain kidney diseases’

Internship in the specialty - 8 years, 09 months and 17 days

Language skills:

English (level B2), German

Educational workload

The educational workload for the last 3 years of Dr. Angelova includes lectures and practical classes in Bulgarian and English. According to the norm by decision of the Academic Council of MU – Varna of 360 hours, the classroom employment for the last 3 years of Dr. Angelova is total:

2017/2018 - 502 hours

2018/2019 - 526 hours

2019/2020 - 438 hours

Scientific works of Dr. Angelova

1. **An abstract** of the dissertation
2. **A monograph**– Epigenetic and genetic aspects of oral health in children with pyelonephritis. Varna, 2019.
3. **3 publications** in scientific journals, referenced and indexed in the Web of Science, Scopus.
One of these publications is in a journal with an IF=3.267
4. **25 publications** in unreferred journals with scientific review or published in edited collective volumes.

(the above-mentioned articles do not repeat those provided for the acquisition of PhD and the academic position of ‘A Senior Assistant Professor’)

In the above-mentioned publications Dr. Angelova is:

- ❖ A **single** author – in 18 publications
- ❖ A **first** author – in 4 publications
- ❖ A **second** and next author – in 6 publications

Participation in scientific forums

Dr. Angelova provides a list of participations in 32 national and international scientific forums.

Participation in scientific projects

Dr. Angelova present evidence for participation and successful completion of the following projects:

- ❖ A large scientific project approved for funding from the competition for funding projects under the Science Fund at MU – Varna: Project №18036 – ‘Identification of biomarkers in saliva to assess the risk profile of gingival health in children’
- ❖ Scientific directions and groups at the Research Institute of MU – Varna.
Direction: Socially healthy and disease management
Scientific group: Molecular biomarkers for personalized medicine

Citations of the scientific papers

Dr. Angelova presents a list of 25 positive citations of her scientific papers, of which:

- ❖ 3 – in scientific journals, referenced and indexed in world-famous databases
- ❖ 22 – in unREFERRED journals with scientific review

Dr. Angelova presents **a reference for registered scientific profiles in: Google Scholar, ORCID, ResearchGate**

Contributions of the scientific works of Dr. Angelova

The more important contributions to the scientific works of Dr. Angelova are:

- ❖ A comprehensive assessment of the risk of dental caries among children (from 0 to 18 years) suffering from diseases of the urinary system - pyelonephritis and nephrotic syndrome.
- ❖ A model has been constructed to assess the level of risk of dental caries among children diagnosed with nephrotic syndrome and pyelonephritis.

- ❖ A combination of salivary markers was applied: pH, nitrites, blood, glucose and leukocytes, as definitive predictors for caries risk assessment among patients suffering from nephrotic syndrome and pyelonephritis in childhood.
- ❖ The level of secretory immunoglobulin A in unstimulated mixed saliva was studied as an indicator for assessing the risk of dental caries among participants diagnosed with nephrotic syndrome and pyelonephritis.
- ❖ The role of clinical indicators taking into account the condition of hard dental tissues as factors for assessing the risk of dental caries is confirmed
- ❖ The importance of behavioral factors as a tool for caries risk assessment, is confirmed etc.

CONCLUSION:

Dr. Georgieva and Dr. Angelova are FDM – Varna graduates. They have an excellent theoretical and linguistic training, which gives them the opportunity to conduct quality education in Bulgarian and English.

Both candidates are established healers and are respected by colleagues, students and patients. They are participants in scientific forums in the field of Pediatric Dentistry. They are authors of publications in Bulgaria and abroad.

The scientometric indicators of Dr. Georgieva and Dr. Angelova cover the minimum scientometric requirements of MU – Varna for holding the academic position of an ASSOCIATE PROFESSOR.

The place for the academic position of an ASSOCIATE PROFESSOR is one.

For this reason, after a thorough and critical analysis of the overall scientific and teaching activities of the two candidates, **I will vote convincingly and unequivocally with "YES" for the award of the Academic position 'AN ASSOCIATE PROFESSOR' to:**

Dr. Milena Todorova Georgieva, PhD

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06.10.2020
Plovdiv

Professor Dr. Yavor Kalatchev, PhD