

To the Chairman of the Scientific Jury,
determined by Order No. R-109-519/30.11.2023.
of the Rector of the MU – Varna

REVIEW

From: **Prof. Dr. Ani Belcheva-Krivorova DDS, PhD, MSc** - Head of the Department of Pediatric Dentistry, FDM, MU - Plovdiv, member of the scientific jury

Regarding: competition for the academic position **Associate Professor** in the field of higher education 7. Health and Sports in the professional field 7.2. Dental Medicine and scientific specialty Pediatric Dental Medicine, for the needs of the Department of Pediatric Dental Medicine, FDM, MU - Varna, announced in SN no. 83/03.10.2023, with one candidate - **Chief Assistant Dr. Sirma Todorova Angelova, PhD**

The submitted materials for participation in the announced competition are in accordance with the requirements of the RASRB and in accordance with the terms and conditions for occupying the academic position Associate Professor, according to the rules of the MU-Varna.

The materials are presented as follows: creative curriculum vitae, copies of diplomas for dental master degree and educational and scientific PhD degree, copies of acquired specialty in Pediatric Dentistry, reference on academic workload and certificate of teaching experience.

I. BIOGRAPHICAL DATA

- Dr. Sirma Todorova Angelova was born on 14.12.1980. in the city of Dobrich;
- She graduated from a language high school in the city of Dobrich, profile English and German languages in 1999.
- She graduated from the University of Economics in the city of Varna in 2005, master's degree in international finance;
- She graduated from Faculty of Dental Medicine, MU- Varna in 2011;
- In 2012, she was appointed as a regular assistant in the Department of Pediatric Dentistry through a competition;
- In 2016 she acquired a specialty in Pediatric Dentistry;
- In 2017 she defended a PhD thesis named "Evaluation and prevention of the risk of caries in children suffering from certain kidney diseases" and obtained the educational and scientific PhD degree;

By now she has experience in the specialty - 12 years.

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

II. SCIENTIFIC RESEARCH ACTIVITY

In the current contest, Dr. Sirma Todorova Angelova, PhD participated with 43 publications. Of these, 14 are abstracts and 29 full-text publications in specialized domestic and foreign editions of collections and journals. A list of participation in scientific forums is presented: a total of 41 at home and abroad.

Total Posts:

- 1 dissertation (author's abstract)
- 1 monograph: "Epigenetic and genetic aspects of oral health in children with pyelonephritis." Varna 2019.
- 43 publications in scientific journals

1. Actual publications in scientific journals:

I present a distribution of scientific publications as follows:

- 24 in foreign journals
- 16 in Bulgarian journals

Most of the publications were conceptually conceived and implemented by Dr. Sirma Angelova, PhD. This is evidenced by the following data, she is:

First author: in 33 (82.5 %) of all journal publications

Single author: in 24 publications (60%)

Next author: in 16 publications (29%)

8 of the above-mentioned scientific works have been published in journals that are **indexed** in world-renowned databases of scientific information (Web of Science and Scopus), of which 7 publications and 1 report.

3 publications and 1 report are in IF journals in Q2 and Q3. Publications in the following scientific journals are presented: Molecules (IF-4,29), Applied Science (IF-2.838), Lifestyle Genomics (2.063), Turkish Journal of Biochemistry IF- 0.7). Total IF =9.891

Full-text publications in scientific journals and anthologies, beyond the minimum scientometric requirements for holding the position of associate professor, have also been submitted.

1. Georgieva I., T. Targova, Sirma Angelova, Dobrinka Damyanova, Study of the smile line and variations in relation to age and gender. Varna Medical Forum, item 7, 2018, issue 1; pp. 124-130. ISSN: 1314-8338;
2. Stoykov M., D. Petrova, S. Angelova. Key etiological factors for early childhood caries - a clinical case. Varna Medical Forum, item 7, 2018, app. 3; pp. 259-264. ISSN: 1314-8338;
3. Petrova D., M. Stoykov, S. Angelova. Oral health and general somatic status in childhood - an overview. Varna Medical Forum, item 7, 2018, app. 3; pp. 265-271. ISSN: 1314-8338;

26 publications for the period 2011-2017 are presented, which were used to fill AD "Chief Assistant" and will not be subject to the present assessment.

2. Participation in scientific forums

Dr. Sirma Todorova Angelova, PhD has participated in a total of 56 national and international scientific forums with posters, video presentations and verbal presentations. Of them in the period after 2018 they are 41.

3. Participation in scientific projects

Dr. Sirma Angelova, PhD presents evidence of participation in the following project #18036:

- "Identification of biomarkers in saliva for assessing the risk profile of gingival health in childhood" - approved for funding from the competition for financing projects under the Science Fund at MU-Varna

Scientific directions and groups at the Scientific Research Institute of the MU-Varna.

Major: Public Health and Disease Management

Research Group: Molecular Biomarkers for Personalized Medicine

4. Citations - a total of 43 from the summary list, of which 12 are referenced and indexed in world-renowned scientific information databases and 31 are in non-refereed peer-reviewed journals.

III. EDUCATIONAL AND TEACHING ACTIVITY

1. Teaching activity:

Dr. Sirma Angelova is a senior Assistant Professor in the department and leads seminars, practicals and individual lectures, participating in student training throughout the course in Pediatric Dentistry. She also leads the training of internships.

The study load of Dr. Angelova for the last five years is as follows:

- for the academic year 2018/19 – 526 academic hours;
- for the academic year 2018/19 – 438 academic hours;
- for the academic year 2020/21 – 602 academic hours;
- for the academic year 2021/22 – 538 academic hours;
- for the academic year 2022/23 – 558 academic hours.

The average study load of Dr. Angelova is 532.4 academic hours.

2. Acquired specialties:

Dr. Sirma Angelova obtained a specialty in Pediatric Dentistry in 2016 and holds diploma No. 3629/22. 02. 2016, registration number 019980.

3. Language skills:

Dr. Angelova provides a document of English language proficiency (level B2), she also has knowledge of German.

4. Contributions

The main topics in Dr. Angelova's publications are in the field of cariology, oral pathology and treatment of children with nephrotic syndrome.

I accept the self-assessment of contributions, namely:

- A comprehensive assessment of the risk of dental caries among children (from 0 to 18 years old) suffering from diseases of the excretory system - pyelonephritis and nephrotic syndrome was made.
- A model was constructed to assess the level of dental caries risk among children with diagnosed nephrotic syndrome and pyelonephritis.
- A combination of salivary markers: pH, nitrites, blood, glucose and leukocytes were applied 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 investigated as an indicator to assess the risk of dental caries among participants with diagnosed nephrotic syndrome and pyelonephritis
- The role of clinical indicators reporting the state of hard teeth is confirmed tissues as factors for dental caries risk assessment.

Based on the material presented by the candidate, I offer the following comparative table, where the distribution of the candidate's scientific works and the minimum requirements for the position Associate Professor at MU-Varna are presented:

Table 1: Distribution of the candidate's scientific works in relation to the minimum requirements for the academic position Associate Professor at MU-Varna

Indicators	Minimum Requirements (points)	D-r Sirma Angelova, PhD
Dissertation	50	<u>50</u>
Monographs	100	<u>100</u>
Publications in refereed journals	200	<u>249,14</u>
Publications in non-refereed journals		<u>756</u>
Citations in refereed publications	50	<u>335</u>
Citations in monographs		
Citations in non-refereed publications		
Total number of publications		40 – 8 refereed publications
Teaching experience		12 years
Average study load 2018-2023 ac .year	360 academic hours	532,4 academic hours
Total	400 points	1155,14 points

CONCLUSION

The presented documents and scientific works of Dr. Sirma Todorova Angelova, MD, cover and exceed the minimum scientometric requirements of the MU-Varna for holding the academic position of ASSOCIATE PROFESSOR. The scientific output is substantial and well presented.

The precise and correct arrangement of the documentation by Dr. Angelova is impressive. As I have evaluated her scientific works in a previous competition, I cannot fail to note the significant progress, the large volume of scientific articles, which testifies to consistency and methodical work as a scientist and researcher. In a short time, Dr. Sirma Angelova, PhD, has realized a significant new scientific output.

She presented a monographic work as an aid for dental practitioners. The development of a monographic work is an indicator of a wide range of scientific interests and thoroughness in interpreting the results.

Participation in a project and the subsequent publication in a journal with IF is also an expression of the candidate's serious scientific research. I highly appreciate this achievement of Dr. Angelova.

A large number of the presented articles are in refereed and indexed scientific journals, which proves their high scientific value. Citations in refereed journals are also representative of the evaluation of research papers being developed.

The candidate is actively involved in the educational and teaching activities of the department in Bulgarian and English, participating with a serious load in the educational process, exceeding the norm of 360 study hours per year.

Dr. Sirma Angelova, PhD is a member of the editorial boards of numerous journals with diverse topics such as Annals of Dental Specialty, Current Trends in Clinical and Medical Sciences, Journal of Medical Clinical Case Reports, International Journal of Health and Clinical Research, Journal of Medical and Clinical Nursing, etc., which shows a wide field of scientific interests.

Based on the critical analysis of the overall scientific and teaching activity of the candidate Dr. Sirma Todorova Angelova, participating in the current competition for the academic and scientific degree Associate Professor in the scientific specialty Pediatric Dentistry for the needs of the Department of Pediatric Dentistry, FDM, MU-Varna, I give my positive assessment and propose to the members of the Scientific Jury to award the position of Associate Professor to Dr. Sirma Todorova Angelova, PhD, chief assistant at the Department of Pediatric Dentistry, FDM, MU-Varna.

I confirm that in the procedure all the requirements of the Law on the Development of the Academic Staff and the Regulations on the Terms and Conditions for Acquiring Scientific Degrees and Occupying Academic Positions at MU-Varna have been complied with.

Заличено на основание чл. 5,
§1, б. „В“ от Регламент (ЕС)
2016/679

Prof. Ani Belcheva, DDS, PhD, MSc

10.02.2024