

STATEMENT

Form Professor Dr. Radosveta Stoyanova Andreeva, MD, PhD, DSc,  
an external member of the Scientific Jury based on Order No. P-1125/16.05.2022  
of the Rector of the Medical University of Plovdiv

**Subject:** Competition for the academic position 'Associate Professor' in the field of higher education, professional field 7. Health and sports, professional field 7.2. Dental medicine, specialty 'Paediatric dentistry' published in SG issue 20/11.03.2022 and approved by a decision of the Faculty Council of the Faculty of Dental Medicine, Medical University of Plovdiv (No.4/04.05.2022).

**Candidate:** Maria Petrova Shindova, DDS, MSc PhD - Senior Assistant Professor at the Department of Paediatric dentistry, Faculty of Dental Medicine, Medical University of Plovdiv

**Candidate's career profile**

She was born on 05.01.1986.

2011 – graduated with honours from Medical University of Plovdiv, Master's degree in the specialty 'Dental medicine'

2012 – Assistant Professor at the Department of Paediatric dentistry, Faculty of Dental Medicine, Medical University of Plovdiv

2016 – defended PhD thesis 'Emotional and behavioural adjustment to dental treatment in children' at Medical University of Plovdiv

2017 – present – Senior Assistant Professor at the Department of Paediatric dentistry, Faculty of Dental Medicine, Medical University of Plovdiv

2021 – acquired specialty in Paediatric dentistry

**Analysis of the materials presented by the candidate for the competition**

The materials submitted by the candidate for participation in the competition for the academic position 'Associate Professor' are in accordance with the Academic Staff Development Act in the Republic of Bulgaria and the Rules for the Academic Staff Development of the Medical University of Plovdiv.

**Evaluation of the candidate's scientific works for the overall academic development**

**General characteristics of the publication activity and scientific production:**

In the academic reference of the publications, citations and scientific profile of Maria Petrova Shindova, DDS, MSc PhD, the scientometric indicators for acquiring the academic position 'Associate Professor' include: PhD thesis 'Emotional and behavioural adjustment to dental treatment in children', monograph 'Control and management of behaviour, dental fear and anxiety in the pediatric dental practice', 2020, ISBN 978-619-237-058-9, 38 publications, 17

of them in journals, referenced and indexed in world-famous databases with scientific information SCOPUS & WEB OF SCIENCE. The total number of points of publications is 450 points. Maria Petrova Shindova, DDS, MSc PhD is the only author in 3 of the scientific publications, a first author - in 26, a second author – in 8, and a third author – in 1.

The major research areas of the scientific works include three main fields of dental medicine:

- Control and management of behaviour in children during dental treatment
- Laser treatment in paediatric dental patients
- As well as publications investigating Molar-incisor hypomineralization, materials used for the treatment of primary teeth, micro-and nanotechnology in dentistry, and endodontic treatment of primary teeth.

The observed citations reference of works in which Maria Shindova, DDS, MSc PhD is the author and co-author includes 78 citations that are estimated to 850 points, 22 of which are citations in monographs, 21 citations - in non-referred journals with scientific peer-review, 35 citations - in scientific journals, referenced and indexed in world-famous databases with scientific information.

Maria Petrova Shindova, DDS, MSc PhD has a research profile in three databases: Google Scholar, Research Gate, ORCHID.

A list of 27 scientific forums – 17 scientific presentations and posters at home and 10 scientific presentation and posters abroad, have been presented.

### **Personal skills**

Maria Shindova, DDS, MSc PhD graduated from English Language School 'Plovdiv' in Plovdiv and is fluent in English and German. The training in Docimology has further improved her teaching skills, which makes her not only an excellent specialist in the field of Paediatric dentistry, but also a very good teacher.

### **Monographic work presented in the competition for the academic position 'Associate Professor'**

**Shindova, Maria. Control and management of behaviour, dental fear and anxiety in the pediatric dental practice`, 2020, ISBN 978-619-237-058-9.**

A review of the contemporary scientific literature concerning the mechanism and risk factors for the development of dental fear and anxiety has been presented as well as answers to a number of questions regarding the characteristics of these emotional states. The wide variety of scales and methods for the assessment of the behaviour, dental fear and anxiety, and provoked pain during treatment shows that there is no universally recommended method and ideal assessment tool. The precise assessment of the behaviour and the level of dental fear and anxiety and their association to specific etiological factors is a crucial bridge between the behaviour management technique and method for caries removal. Thus, it is of great significance for the

dentist to know various non-pharmacological techniques for behaviour management and classical and alternative methods of treatment of dental caries. Recommendations for emotional and behavioural adjustment to dental treatment of 6-to12-year-old children have been extracted. This scientific work follows the features of high academic writing and is well illustrated with photos, figures and tables.

Understanding and providing adequate dental care to children with dental fear and anxiety remain a significant challenge to dentists and require knowledge, skills, and patience.

**Comprehensive, quality assessment of teaching and teaching activities**

The submitted reference for the teaching workload of Maria Petrova Shindova, DDS, MSc PhD: 2019/2020 - paid vacation; 2020/2021 - 515 hours per academic year; 2021/2022-457 hours per academic year. Total number - 972 hours.

**General assessment of the candidate's compliance with the minimum criteria and scientometric indicators are in accordance with the Rules for the Academic Staff Development of the Medical University of Plovdiv.**

With the combination of creative skills and ability to be a hardworking person, Maria Petrova Shindova, DDS, MSc PhD has presented high scientometric indicators in the competition in accordance with the Rules for the Academic Staff Development of the Medical University of Plovdiv for the relatively short professional career path.

**Conclusion**

In conclusion, I give my positive statement of Maria Petrova Shindova, DDS, MSc PhD in the competition for the academic position 'Associate Professor' announced for the needs of the Medical University of Plovdiv, Department of Paediatric dentistry.



06.06.2022

Reviewer:.....*[Signature]*.....

/Professor Dr. Radosveta Stoyanova Andreeva, MD, PhD, DSc/