

OPINION

by Prof. Dr. Metodi Zahariev Abadjiev, DMD, PhD, DSc

Documents for the competition were submitted by one candidate:

Dr. Jendo Atanasov Jendov, DMD, PhD.

Dr. Jendo Jendov, DMD, PhD is the main assistant and fulfills the conditions for participation according to the ZRASRB and PRAS in MU-Varna.

After reviewing the tender documents, an opinion was drawn up, including:

1. Biographical data:

- 1995-2000 - Master - Technical University - Varna
- 1999-2006 - FDM, MU-Plovdiv, Master Dental Medicine
- since 2009 is a full-time assistant at the Department of "Dental Materials Science and Propaedeutics of Prosthetic Dentistry" FDM, MU-Varna
- 2017 stitched dissertation on the topic "Fixable prosthetic structures made of Co-Cr alloys made by technologies with the addition of material"
- from 2018 - Chief Assistant
- 2013 - acquired specialty Prosthetic dentistry

2. Study load

Dr. Jendo Jendov, DMD, PhD has a total study load of exercises and pre-diploma internship (by years) as follows:

- 2018/2019 – 372 hours;
- 2019/2020 – 366 hours;

- 2020/2021 – 396 hours;
- 2021/2022 - 464 hours;
- 2022/2023 - 451 hours;
- lectures 2022/2023 – 55 hours; (documents no. 8 and 13)

Scientific production

3. Dissertation, monography

Dr. Jendo Jendov, DMD, PhD defended a dissertation for the acquisition of an educational and scientific degree "Doctor", on the topic "Fixable prosthetic structures from Co - Cr alloys made by technologies with the addition of material" in 2017.

In the dissertation, he used knowledge and skills acquired from his first higher education at TU-Varna. It compared in-laboratory non-removable prosthetic structures made of Co-Cr alloys by three technologies: 1) analog-casting from a hand-made wax model; and two digital 2) casting from a 3D printed model and 3) selective laser melting. Tensile strength specimens of Co-Cr alloys were investigated. Investigate the geometric accuracy of 4-member Co-Cr bridges produced by TIDM and comparative analysis with classical technology regarding dimensional accuracy, fit accuracy and surface roughness.

The density, microstructure, mechanical properties - hardness, tensile strength, yield strength and modulus of elasticity were investigated. The adhesion strength of porcelain to Co-Cr alloy was also investigated. Both a clinical and a laboratory protocol have been developed for treatment with fixed prosthetic structures fabricated using multi-jet printing and selective laser melting. The monography "The virtual patient in dentistry education" and the second supplemented edition of the monograph - 2023, with a volume of 155 pages, bibliography of 278 authors, 65 figures, 2 tables is a valuable teaching aid for students and young teachers in FDM. In the monography, Dr. Jendov examines the applications of simulators in the various

fields of dentistry. Presents information on connections between simulators and intraoral and facial scanners as well as CBCT.

Possibilities to ease the work of left-handed students in the simulation centers and halls were considered. An analysis was made of the ways of teaching the students with the help of these means. Students were surveyed for their opinion on online dental education. Attention has been paid to the use of 5G and its application in education in FDM.

The dissertation and the monography are presented in an academic reference, document 13. According to criteria A and B - 150 points correspond to occupying the academic position "Associate Professor"

4. Scientific publications

According to document 17.1 and document 13, under criteria D, seven publications are presented, published in scientific publications, referenced and indexed by the scientific information database Scopus and Web of Science. According to the same criteria, ten more publications in non-refereed journals were submitted.

Dr. Jendov has indicated a total of 19 scientific works as evidentiary material covering the minimum scientometric indicators for holding the position of associate professor. Of these: dissertation work for the award of the ESL "Associate Professor" - 1 item, monography - 1 item, 7 articles in scientific publications, referenced and indexed in Scopus and Web of Science, 10 articles in peer-reviewed journals, non-refereed in databases of scientific information. (doc. 13).

In addition, 4 more full-text publications in Bulgarian journals are presented, which is beyond the minimum requirements

The total number of points from 17 publications under indicator D and from indicators A and B is 217. The mandatory minimum for occupying the academic position "Associate Professor" is 200 points according to the criteria.

In 43% of scientific developments, the candidate is the first author - 10 publications, in 30% - 7 publications is the second author in 6 publications -27% is the third and subsequent author. The topics of the publications cover: application of modern technologies in prosthetic dentistry; implementation of new methods for training students, dental technicians and interns; comparative analysis of the geometric surfaces of non-removable structures; analysis of constructions made by 3D printing; study of hardness and creep of Co – C r alloys; investigation of the corrosion properties and adhesion strength of the ceramic coating of Co – C r alloys; difficulties encountered at work by left-handed students, etc.

I believe that the ones presented by Dr. Jendo Jendov, DMD PhD scientific publications for sufficient. They show rich awareness, original solutions according to modern protocols, comprehensiveness of scientific research, creativity in the research and analytical process.

5. Citations

12 citations are presented, which carry 180 points according to the criteria for occupying the academic position "Associate Professor" according to indicator "D".

The scientific publications of Dr. Jendo Jendov, DMD, PhD. have been cited many times in scientific publications, monography, referenced and indexed in Web of Science and Scopus databases, as well as in non-refereed journals. Auto-citations by all authors are excluded. I accept all 12 citations, which cover the minimum scientometric requirements for occupying the "Associate professor", for the current competition (Academic reference No. 890/2.11.2023).

The author's individual h-index is 10 according to Google Scholar and 3 in Web of Science.

The candidate has active scientific profiles in: Scopus, Web of Science ORCID, Google Scholar.

6. Participation in scientific forums:

The results of the research work have been presented at scientific forums abroad and in Bulgaria (List 19 of the attached documents).

Oral presentations and posters were given at 31 scientific forums, of which 25 are in Bulgaria, with international participation there are 6 - abroad: Macedonia, Russia, France, Italy, Portugal and Lithuania.

7. Conclusion:

From the documents presented to me, I can conclude that the candidate Dr. Jendo Jendov, DMD, PhD has the necessary knowledge and skills of a teacher. My personal impressions and scientometric indicators show that he has the necessary qualities for conducting scientific experiments and their analysis. (document 18)

After the complete analysis of the documents presented to me, I believe that the candidate Dr. Jendo Atanasov Jendov, DMD, PhD meets all the requirements for holding the academic position "Associate Professor".

I firmly give a positive assessment and will vote with conviction "YES" for awarding the academic position of "Associate Professor" to Dr. Jendo Atanasov Jendov, MD.

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