

**To Assoc. Proff. Dr. Desislava Konstantinova,
DMD, PhD
Chairman of the Scientific Jury
order No. r – 109 – 522/30.11.2023
of the Rector of MU - VARNA**

I enclose an attitude prepared in accordance with Protocol No. 1 of 12.12.2023 on the competition for the academic position of "ASSOCIATE PROFESSOR", announced in the Official Gazette. no. 83/03.10.2023, one place in the field of higher education 7. Health care and sports by professional direction 7.2. Dental medicine and the scientific specialty "Prosthetic dentistry" at the Department of "Dental Materials Science and Propedeutics of Prosthetic Dentistry" of the FDM, MU-Varna, announced in the State Gazette no. 83/03.10.2023

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ATTITUDE

by Prof. Dr. Hristo Kaltchev Kissov, DMD, PhD.

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 applied documents, an attitude 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

Dr. Jendo Jendov, DMD, PhD defended a thesis 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 demonstrated knowledge and skills acquired from his first higher education at TU-Varna. He 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 have been investigated. He has investigated the geometric accuracy of 4-member Co-Cr bridges produced by TIDM and he make comparative analysis with classical technology regarding dimensional accuracy, fit accuracy and surface roughness.

It was investigated the density, microstructure and mechanical properties of alloys - hardness, tensile strength, yield strength and also modulus of elasticity. 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.

4. Monography

The monography "The virtual patient in dentistry education" has the second supplemented edition (2023). The work has volume of 155 pages, bibliography of 278 authors, 65 figures, 2 tables and it 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 obligatory minimum for occupying the academic position "Associate Professor" is 200 points according to the criteria.

Candidate in 43% (10 publications) of scientific developments was the first author, in 30% (7 publications) was the second author, and in 6 publications (27%) was the third and subsequent author.

The scientific publications are actuals. The topics of the publications cover application of modern technologies in prosthetic dentistry, comparative analysis of the geometric surfaces of non-removable structures, analysis of constructions made by 3D printing. They include study of hardness and creep of Co–Cr alloys, investigation of the corrosion properties and adhesion strength of the ceramic coating of Co–Cr alloys. In area of dental educations they include implementation of new methods for training students, dental technicians and interns, 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 for the academic position. Dr. Jendov demonstrates 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 of Dr Djendov have been presented at scientific forums in Bulgaria and in abroad (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 in abroad there are 6: in France, Italy, Portugal, Lithuania, Russia and Macedonia.

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.

12. 02. 2024

Sofia

Prof. Dr. Hristo Kaltchev Kissov, DMD, PhD.

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