

OPINION

by Prof. Dr. Emilia Mitkova Mihaylova

Professor of Physics at the Agricultural University - Plovdiv

field of higher education: 4. Natural sciences, mathematics and informatics,

professional field: 4.1 Physics

about the materials submitted for participation in the competition for the academic position of 'Associate Professor' at Plovdiv University "Paisii Hilendarski" in the field of higher education 4. Natural sciences, mathematics and informatics; professional field 4.1. Physical sciences (Electrical, magnetic and optical properties of condensed matter)

In the competition for 'associate professor', announced in the State Gazette, issue 57 of 26.06.2020 for the needs of the Department of Physics at the Faculty of Physics and Technology, as a candidate participates Ch. Assistant Professor Dr. Ivan Panayotov Bodurov from the Department of Physics, Faculty of Physics and Technology, University of Plovdiv.

1. General presentation of the received materials

Subject

By order № № P33-4125 of 24.08.2020 of the Rector of the University of Plovdiv "Paisii Hilendarski" (PU) I was appointed a member of the scientific jury of a competition for the academic position of 'associate professor' in PU in the field of higher education 4. Natural sciences, mathematics and informatics, professional field 4.1 Physical sciences (Electrical, magnetic and optical properties of condensed matter), announced for the needs of the Department of Physics at the Faculty of Physics and Technology.

Only one candidate has submitted documents for participation in the announced competition: Ch. Assistant Professor Dr. Ivan Panayotov Bodurov from the Department of Physics, Faculty of Physics and Technology, University of Plovdiv.

The set of paper materials presented by Dr. Ivan Panayotov Bodurov is in accordance with the Regulations for development of the academic staff of the University of Plovdiv, and includes the following documents:

- application form to the rector for admission to the competition;
- CV in European format;
- diploma for educational qualification degree 'master' in the specialty Physics of condensed matter;
- diploma for educational qualification degree 'master' in the specialty Teacher of Physics;
- Diploma for educational and scientific degree 'Doctor' in Physics of Wave Processes;
- list of scientific works;
- reference for observance of the specific requirements of the respective faculty, in accordance with Article 65. (3) PRASPU;
- annotations of the materials under art. 65. from PRASPU, including self-assessment of contributions;

- declaration of originality and authenticity of the attached documents;
- certificate of work experience;
- documents for educational work;
- documents for research work;
- other documents;
- set of documents on paper from item 1 to item 13 - 3 pieces;
- set of documents on electronic carrier from item 1 to item 13 - 8 pieces.

The candidate Dr. Ivan Panayotov Bodurov has submitted a total of 43 scientific publications in referenced scientific journals, which are not included in the scientific publications for obtaining the educational and scientific degree "Doctor". The submitted materials for participation in the competition for the academic position of "Associate Professor" include 1 textbook, 1 manual for laboratory exercises and 3 useful models, which are the result of the scientific activity of the candidate after holding the academic position of "Chief Assistant".

43 scientific papers are accepted for review, which are outside the dissertation and are considered in the final evaluation: 1 textbook, 1 manual for laboratory exercises and 3 useful models. The distribution of scientific papers by relevant sections, in the country and abroad, is as follows:

1. Chapter from a book;
2. Scientific papers submitted for participation in a competition for the academic position of "Associate Professor" in journals with impact factor and SJR factor - 15;
3. Scientific papers submitted for participation in a competition for the academic position of "Associate Professor" in journals with SJR factor - 15;
4. Scientific papers submitted for participation in a competition for the academic position of "Associate Professor" in journals without factor - 12;
5. The submitted materials for participation in the competition for the academic position "Associate Professor" include 1 textbook, 1 manual for laboratory exercises and 3 useful models, which are the result of the scientific activity of the candidate after holding the academic position "Chief Assistant".

2. Brief biographical data of the candidate

Teaching experience:

As of June 26, 2020, Ch. Assistant Professor Dr. Ivan Panayotov Bodurov has more than 5 years of teaching experience.

Scientific experience:

As of June 26, 2020, Ch. Assistant Professor Dr. Ivan Panayotov Bodurov has more than 5 years of scientific experience.

3. University professional experience in connection with the announced competition:

3.1. Lectures have been developed and lecture courses have been conducted for students from Plovdiv University "Paisii Hilendarski" in the following disciplines:

- Experimental methods of physics
- Interactive programming in Mathematica system;
- Electricity and magnetism
- Technical and computer documentation;
- Optical communications;
- General metrology.

3.2. Laboratory exercises and / or seminars for students from Plovdiv University "Paisii Hilendarski" were conducted in the following disciplines:

- General Physics
- Electricity and magnetism
- Optics
- Specialized application software
- Introductory course in physics
- Physics of semiconductors and dielectrics
- Experimental methods of physics
- Interactive programming in Mathematica system;
- Technical documentation with AutoCAD;
- Technical and computer documentation;
- Optical communications;
- Semiconductor elements

3.3. 7 graduates from Plovdiv University "Paisii Hilendarski" were led and successfully defended.

4. The scientific and scientific-applied activity of the candidate is significant:

- Participation in 14 research projects;
- 3 useful models have been developed;
- 42 scientific publications have been written in referenced scientific journals, which are not included in the scientific publications for obtaining the educational and scientific degree "Doctor".
- There are 45 citations (without self-citations), most of them in journals with impact factor

The candidate fulfills all the recommended requirements of the University of Plovdiv to hold the academic position of "Associate Professor" in the professional field of Physical Sciences. There is also a chapter published in a book.

5. Critical remarks and recommendations

My recommendation to the candidate is in the future to have independent scientific publications and / or other scientific developments (patent, utility model or other applied development).

6. Personal impressions

I have known Dr. Ivan Panayotov Bodurov since 2016. My personal impressions are of a colleague with expert knowledge and honesty, with whom it is a pleasure to work and communicate.

CONCLUSION

The documents and materials submitted by Ch. Assistant Professor Dr. Ivan Panayotov Bodurov responds to the Law for the Development of the Academic Staff in the Republic of Bulgaria (ZRASRB), the Regulations for implementation of ZRASRB and the respective Regulations of PU "Paisii Hilendarski".

The candidate in the competition has submitted a sufficient number of scientific papers published after the materials used in the defense of the degree 'Doctor'. In the works of the candidate there are original scientific and applied contributions, which have received international recognition as a representative part of them are published in journals and scientific journals published by international academic publishers. The scientific and teaching qualification of Ch. Assistant Professor Dr. Ivan Panayotov Bodurov is undoubted.

The results achieved by Ch. Assistant Professor Dr. Ivan Panayotov Bodurov in teaching and research activities, fully comply with the Regulations of the University of Plovdiv for the application of ZRASRB.

After getting acquainted with the materials and scientific works presented in the competition, analysis of their significance and contained in them scientific, scientific-applied and applied contributions, I find it reasonable to give my positive assessment and recommend to the Scientific Jury to prepare a report-proposal to the Faculty Council of the Faculty of Physics and Technology for election of Ch. Assistant Professor Dr. Ivan Panayotov Bodurov to the academic position of 'Associate Professor' at the University of Plovdiv "P. Hilendarski" in the professional field 4.1. Physical sciences (Electrical, magnetic and optical properties of condensed matter).

October 20, 2020

Opinion by:

Prof. Dr. Emilia M .Mihaylova