

## OPINION

by

**Veselin Stanchev Stanchev, PhD, Associate Professor at the University of Food Technology  
city of Plovdiv**

on the materials submitted for the competition  
for the Academic Position of Associate Professor  
at Paisii Hilendarski University of Plovdiv  
in the field of higher education 5. Technical sciences,  
professional field 5.2. Electrical engineering, Electronics and Automation  
(Electronic Circuit Theory and Electronic Circuitry).

In the competition for "Associate Professor", announced in the State Gazette, issue 31 of 12<sup>th</sup> April 2019, and on the website of the Paisii Hilendarski University of Plovdiv for the needs of the Department of Electronics, Communications and Information Technology, at the Faculty of Physics and Technology (FPT), Senior Assistant Professor Sotir Ivanov Sotirov, PhD from Paisii Hilendarski University of Plovdiv has applied.

### **General presentation of the procedure and the candidate**

With Order No. 33-2887 of 11.06.2019 of the Rector of Paisii Hilendarski University of Plovdiv (PU) I was appointed for a member of the scientific jury of the competition for the occupation of the academic position of **Associate Professor in PU** in the field of higher education 5. Technical sciences; professional field 5.2 Electrical engineering, Electronics and Automation (Electronic Circuit Theory and Electronic Circuitry), **announced for the needs of** the Department of of Electronics, Communications and Information Technology at the Faculty of Physics and Technology.

In the announced competition **only one** candidate has applied, namely Senior Assistant Professor Sotir Ivanov Sotirov, PhD from Plovdiv University Paisii Hilendarski.

The presented set of materials in paper and electronic form by Senior Assistant Professor, PhD, Sotir Sotirov is in compliance with the Rules for Development of the Academic Staff of PU, and includes all the necessary documents:

The candidate Senior Assistant Professor Sotir Ivanov Sotirov PhD has submitted a total of 25 scientific papers, and 1 monograph.

I did not observe any overlapping of the materials for the acquisition of the Educational and Qualification degree PhD, with these presented in the competition for "**Associate Professor**".

### **Short biography of the candidate**

1996 Secondary School of Mechanical Engineering - Plovdiv, Major in Technology of Machine building, Technician/Technologist;

2003 PU Paisii Hilendarski, Bachelor's Degree in Engineering Physics;

2006 PU Paisii Hilendarski, Major in "Engineering physicist in electronic and laser engineering", Master's degree;

2004-2006 Regional Inspectorate for Public Health Protection and Control - Plovdiv, physicist of Radiation control;  
2007-2010 KCM-AD, Physicist, Laboratory for Spectral Analysis;  
2010-2012 PU Paisii Hilendarski, expert physicist, Biosupport project, working with specialized equipment for atomic force microscopy;  
2012 PU Paisii Hilendarski, Lecturer, Assistant Professor at the ECIT Department;  
2015 PU Paisii Hilendarski, PhD Degree, Physical Sciences, Senior Assistant Professor in the Department of ECIT and till presently.

### **General description of the candidate's work**

- *teaching and pedagogical work:*

The candidate has developed curricula in the following disciplines:

- Electrical Engineering and Electronics, Bachelor's Degree, Major in Bioengineering;
- Optoelectronics, Bachelor's Degree, Majors in Information and Computer Engineering, and Telecommunications and Information Systems;
- Optoelectronics, Master's Degree, Major in Photonics and Modern Optical Technologies;
- Analogue Circuit Technology, Bachelor's Degree, Major in Telecommunication and Information Systems;
- Digital Circuitry, Bachelor's degree.

The required teaching workload is ensured as follows:

- Analogue circuitry - 60 hours;
- Digital circuitry - 30 hours;
- Optoelectronics - 30 hours;
- Electrical engineering and electronics - 45 hours.

-*evaluation of scientific and applied work:*

25 articles and 1 monograph were presented. All materials are on the subject of the competition and are printed in foreign or domestic reputable editions. Their topic is particularly relevant and concerns the deposition of nano-layers on different media with a view to the regular separation of the active substance in the treatment of patients or in cardiovascular diseases. The dielectric and piezoelectric properties of some materials were investigated. The results obtained are primarily of scientific and applied nature, which I consider to be positive.

### **Notes, recommendations and questions**

Regarding the monograph:

- - pages are not numbered;
- - no publishing house was specified;
- - no ISBN;
- - the title is too general. There are many physical quantities, but only a small part of them are considered. It would be appropriate for the title to be much more specific;
- - how will the material be promoted, on a disk or on paper?

## CONCLUSION

The documents and materials presented by Senior Assistant Professor Sotir Ivanov Sotirov, PhD meet all the requirements of the Academic Staff Development Act of the Republic of Bulgaria (ASDARB), the Regulations for the implementation of the ASDARB and the corresponding Rules of PU Paisii Hilendarski.

The candidate submitted a sufficient number of scientific papers published after the materials used in the defence of the Doctor of Philosophy Degree. The candidate's works have original scientific and applied contributions that have received international recognition, some of which have been published in journals, scientific collections and scientific papers that has received international recognitions. His theoretical developments have practical applicability. Some of them are directly oriented to the academic work. The scientific and teaching qualification of Senior Assistant professor Sotir Ivanov Sotirov, PhD is undoubted.

The results achieved by Senior Assistant professor Sotir Ivanov Sotirov, PhD in educational and research activities, **fully** comply with the specific requirements of the Faculty of Physics and Technology, adopted in connection with the Regulations of PU for application of the of LDASRB. After acquaintance with the submitted materials and scientific works, and contained in them scientific, and applied contributions in them, I find it justifiable to give my **positive** assessment and to recommend to the Scientific Jury to prepare a report proposal to the Faculty Council of the Faculty of Physics and Technology for selection of Senior Assistant Professor Sotir Ivanov Sotirov, PhD at the academic position "**Associate Professor**" at PU Paisii Hilendarski in profession 5.2. Electrical Engineering, Electronics and Automation (Electronic Circuit Theory and Electronic Circuitry).

30.08.2019  
Plovdiv

This Opinion was prepared by: */signature/*  
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