

OPINION

by Assoc. Prof. Dr. Eng. Dian Venkov Malamov

from Plovdiv University "Paisii Hilendarski"

on the materials submitted for participation in a competition

for the academic position of **"Associate Professor"**

at Plovdiv University "Paisii Hilendarski",

in: field of higher education 5. Technical Sciences, professional field 5.2,

Electrical Engineering, Electronics and Automation (Theoretical Electrical Engineering)

In the competition for "Associate Professor", announced in the State Gazette, issue 34 of 07. 04. 2026, and on the website of Plovdiv University "Paisii Hilendarski" for the needs of the Department of Electrical Power Engineering and Communications at the Faculty of Physics and Technology, the only candidate is Chief Assist. Velislava Raydovska, PhD from Plovdiv University "Paisii Hilendarski"

1. General presentation of the procedure and the candidate.

By order No. PD-22-1116 of 05. 06. 2026 of the Rector of Plovdiv University "Paisii Hilendarski" (PU), I have been appointed as a member of the scientific jury in a competition for the academic position of **"Associate Professor" at PU** in the field of higher education 5. Technical Sciences, professional field 5.2, Electrical Engineering, Electronics and Automation, (Theoretical Electrical Engineering), **announced for the needs** of the Department of Electrical Power Engineering and Communications at the Faculty of Physics and Technology.

Documents were submitted by a single candidate for participation in the announced competition Chief Assist. Velislava Raydovska, PhD from Plovdiv University "Paisii Hilendarski". The set of materials presented by Dr. Raidovska is in accordance with the Regulations for the Development of the Academic Staff of the University of Plovdiv.

The candidate, Chief Assist. Raydovska, PhD, has submitted: twenty-nine scientific papers, five of which are refereed and indexed in global databases, and the rest are in non-refereed publications with scientific review or in edited collective volumes; one monograph; one book based on the dissertation work; four textbooks and teaching aids; a certificates of participation in five research projects. A total of thirty citations are indicated, five of which are in publications that are refereed and indexed in global databases.

The materials presented do not repeat those of the degree PhD, and are in the field of the subject of the announced competition for "associate professor", and are subject to review in this competition.

Chief Assist. Velislava Raydovska, PhD meets the minimum national requirements for holding the academic position of associate professor, as the indicators for the individual groups are as follows: group A - 50 points (out of 50 min.), group B - 100 points (out of 100 min.), group D - 357.34 points (out of 200 min.), group D - 156 points (out of 50 min.).

According to the data presented for the groups of indicators for holding the academic position of "associate professor", it is evident that Chief Assist. Dr. Velislava Hristova Raydovska meets the minimum requirements of ZRASRB, PPZRAS and PRASPU.

2. Brief data on the candidate's professional biography.

Chief Assist. Velislava Raydovska, PhD graduated from the Technical University - Sofia, Plovdiv branch in 1993, majoring in "Electronics and Automation" with a master's degree. In 2015, she obtained the degree PhD in professional field 5.2 "Electronics, Electrical Engineering and Automation", Scientific specialty: "Electrotechnical Materials and Cable Engineering" at TU-Sofia.

Her teaching activity has gone through the following main stages:

From 1996 to 2017, she was successively an assist. and Chief Assist., PhD, at the Technical College Smolyan at the "Paisii Hilendarski" University.

From 2017 to the present, she is a Chief Assist., PhD, at the Department of "Electrical Power Engineering and Communications" at the Faculty of Physics and Technology of the "Paisii Hilendarski" University.

Dr. Velislava Raidovska certainly has extensive professional experience as a lecturer in the field of higher education.

3. General characteristics of the candidate's activities.

3.1. Assessment of teaching and pedagogical activities.

The average classroom workload of Dr. Raidovska for the last four academic years (excluding 2025/26) is 916 hours. The lecture courses led by Dr. Raidovska are mainly in the areas of theoretical electrical engineering (four courses), electrical and electronic measurements, electrical materials, high voltage technology, insulation structures of electrical equipment, converter technology (two courses), relay protection, renewable energy sources.

Development of curricula for the above-mentioned disciplines.

Active participation of Dr. Raidovska in the development of curricula for the specialties ESEO, AES, EEf for the bachelor's and master's degree programs.

Two textbooks have been co-authored, and two manuals have been independently published, which are related to the specialty of the competition.

In the period from 2023 to 2025, Chief Assist. Dr. Raidovska is the scientific supervisor of eight successfully defended graduates with the "Master" and "Bachelor" qualifications.

From the above, it can be concluded that Chief Assist. Dr. Raidovska has excellent pedagogical and specialized competence and activity in the academic disciplines of the specialty of the competition. Based on the presented materials, as well as my personal observations, I can conclude that Chief Assist. Dr. Raidovska actively applies modern interactive methods of teaching and working with students.

3.2. Assessment of scientific and applied scientific activity.

Seven scientific publications are presented in publications that are referenced and indexed in global databases with scientific information. All publications were developed by teams, with Chief Assist. Dr. Raidovska being the second author in two publications, the third author in one publication and the fourth author in two publications.

Twenty-four publications are presented in non-refereed publications with scientific review or in edited collective volumes. In eight publications, Chief Assist. Dr. Raydovska is the sole author, and in seven publications she is the first author. Nineteen of the publications in this group are at conferences and journals in Bulgaria, and the rest abroad.

Chief Assist. Dr. Raydovska has presented a monograph "Opportunities for training students through simulation research in electrical engineering in pandemic conditions". The monograph meets the requirements of the ZRASRB and the regulations for its implementation, as well as the additional instructions of NACID according to a letter dated 04. 07 2025.

The candidate has presented a book based on a dissertation work "Measurement of the tangent of the angle of dielectric losses of facilities in operational conditions". The topic of the book is related to the scientific specialty of the competition, as well as to some of the academic disciplines for which Chief Assist. Dr. Raydovska is a lecturer.

3.3. Contributions (scientific, scientifically applied, applied) and citations.

The claims for contributions presented by the candidate in the monograph and scientific publications are of a scientifically applied and applied nature. They can be classified into three main groups.

- Schematic models of real linear inductive elements and dielectrics (G8.1, G8.3, G8.4, G8.5, G8.6, G8.9, G8.10, G8.11).
- Application of known scientific knowledge for synthesizing educational models in electrical engineering and electrical measurements (G8.22, G8.23, G8.24).
- Synthesis of experimental setups and teaching methodologies (G7.1, G7.2, G7.3, G7.4, G8.8, G8.19, G8.21, G8.22, G8.23, G8.24).

I accept the candidate's stated scientific- applied and applied contributions.

4. Critical remarks and recommendations

I have no significant critical remarks towards the candidate. The submitted materials are very well structured and formatted, and contain the necessary evidentiary material.

I recommend that the candidate Dr. Raydovska focus on more active publication activity in publications, referenced and indexed in the global databases Scopus and Web of Science.

CONCLUSION

The documents and materials submitted by Senior Assistant Professor Dr. Velislava Hristova Raydovska meet the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LAADRB), the regulations for its implementation, and the relevant regulations of the University of Paisii Hilendarski.

The candidate in the competition has presented a sufficient number of scientific works beyond those used in the defense of the PhD thesis. The main part of the scientifically applied and applied contributions are directly oriented towards the development of the educational process in the academic disciplines that are related to the topic of the competition. The scientific and teaching qualifications and competencies of Chief Assist. Dr. Velislava Hristova Raydovska are undoubted.

The results achieved by Chief Assist. Dr. Velislava Hristova Raydovska in the educational and research activities fully comply with the minimum national requirements of the Law on the Education and Research of the Republic of Bulgaria and the regulations for its implementation in the University of Sofia.

On the basis of the above, I find it reasonable without hesitation to give my positive assessment and to recommend to the Scientific Jury to prepare a report with a proposal to the Faculty Council of the Faculty of Physics and Technology for the election of the Chief Assist. Dr. Velislava Hristova Raydovska in the academic position of "Associate Professor" at the University "Paisii Hilendarski" in: field of higher education 5. Technical Sciences, professional field 5.2 Electrical Engineering, Electronics and Automation (Theoretical Electrical Engineering).

05. 08. 2026

Reviewer:

(Assoc. Prof. Dr. Eng. Dian Malamov)