

Evaluation statement

by **Prof. Ph.D. Eng. Stefan Nedyalkov Terziev, Varna Free University Chernorizetz Hrabar**

For the competition for the academic position of Associate Professor in field - 5 Technical sciences, in the professional field - 5.2 Electrical engineering, electronics and automation (Power Supply and Electrical Equipment), announced in the State Gazette, issue 87 of 19.10.2021 on behalf of Burgas Free University (BFU), with the candidate Assistant Professor Eng. Ginko Angelov Georgiev PhD.

The candidate for participation in the competition Dr. Eng. Ginko Angelov Georgiev has presented all the necessary documents required by the Regulation for the development of the academic staff at the Burgas Free University (BFU) according to Art. 50 (1) and in connection with Art. 42, according to art. 50 (2), as well as on the grounds of art. 50 (3) in connection with Annex 2 for fulfillment of the additional requirements for holding the academic position Associate Professor. The following evidence materials were additionally attached: monographic work and full-text publications of Dr. Ginko Georgiev.

The candidate has also submitted proof for the fulfillment of the minimum national requirements for holding the academic position of Associate Professor according to the Regulations for the implementation of the Act on the Development of Academic Staff in the Republic of Bulgaria. It is evident from the reference that the candidate fully satisfies the requirements for area 5. Technical sciences, PN 5.2 Electrical engineering, electronics and automation. The candidates has earned 445.5 points, up from the required minimum of 400 points.

In the competition for the academic position of Associate Professor Dr. Ginko Georgiev has presented:

- Habilitation thesis - monograph The Space Vector in Frequency Inverters, BFU, 2021, ISBN: 978-619-253-012-9, which fully corresponds to the professional direction of the competition;
- Scientific publications in journals that are referenced and indexed in world-famous databases with scientific information - 2 pcs. (P31; P32), as they fully correspond to the scientific specialty of the announced competition;
- Scientific publications in unrefereed journals with scientific review or in edited collective works - 21 pcs. (P1; P3; P4; P10; P12; P13; P14; P15; P16; P17; P19; P20; P21; P22; P23; P24; P25; P26; P27; P28; P29). It should be noted that all publications are in the

needed professional field and correspond to the scientific specialty of the announced competition. Of all the publications, 5 are independent, and the candidate is the leading author in 8 of them;

- Citations or reviews in scientific journals, referenced and indexed in world-famous databases with scientific information or in monographs and collective volumes SCOPUS - 6 pcs. (C1; C2; C3; C4; C5; C6);
- Citation in monographs and collective volumes with scientific review - 6 pcs. (C7; C8; C9; C10; C11; C12).

The teaching activity of Dr. Ginko Georgiev covers a wide range of scientific specialties from the professional field of the announced competition, namely: electrical machines, electrical appliances, power supply, electrical equipment and energy efficiency of electrical systems. It is necessary to note the published and pleasantly impressive manuals for seminars and laboratory exercises on: electrical machines ISBN: 978-619-253-010-5 and electrical appliances ISBN: 978-619-253-009-9. Their level of development allows them to be used by students from technical universities in the country in the specialties of this professional field.

Within the scope of the teaching field, the candidate has supervised 25 graduates. His teaching activities include 8 subjects from 5 specialties of the professional field of the competition.

Dr. Ginko Georgiev is actively involved in the development of 10 research projects, leading 2 of them.

It is necessary to emphasize the relevance and importance of the published monograph and the publications, textbooks and research projects with his participation for the scientific development of the professional field and scientific specialties in it.

I agree with the report on scientific contributions and accept them, as they cover 4 specialties in the professional field: electrical equipment, power supply, energy quality, use of energy from renewable sources. I would like to emphasize that the research and results in the habilitation work and a number of publications (P4; P10; P12; P13; P15; P20; P22; P23) are of major importance and contribute to the further development of the theory of alternating current electric machines (synchronous and asynchronous), as well as current and relevant issues of their electric drives and determining their characteristics, and I believe that it is a significant addition to the contributions submitted by the candidate.

Regarding the teaching and learning activities of Dr. Ginko Georgiev I would like to note that they cover a very important part of the professional field. The necessary materials for lectures and for classroom and laboratory exercises have been provided, in paper and on the e-learning platform.

In conclusion, I believe that the provided habilitation thesis, publications, teaching materials and participation in projects have been developed at the required level, with the required quality and volume and characterize the candidate Dr. Ginko Angelov Georgiev as a fully and comprehensively developed researcher.

Based on the above, referring to the Act on the Development of the Academic Staff of the Republic of Bulgaria, the Regulation to the act and the Regulation for the Development of the Academic Staff of the Burgas Free University, with full responsibility and determination I assess positively the candidate's work and propose to the respected members of the scientific jury to award the academic position of Associate Professor to Dr. Eng. Ginko Angelov Georgiev in PN 5.2 Electrical Engineering, Electronics and Automation (scientific specialty Power Supply and Electrical Equipment)

18.01.2022

Prof. Ph.D. Eng. Stefan Terziev

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