

STANDPOINT

by Assoc. Prof. Eng. Dimitrina Yordanova Koeva, PhD

of the materials submitted for participation in the competition for occupying the academic position "Professor" in the

**Field of higher education - 5. Technical Sciences,
in the Professional field - 5.2. Electrical Engineering, Electronics and Automation,
Speciality "Electrical Supply and Electrical Equipment" (Lighting and Installation
Equipment)**

As a candidate in the competition for "professor", announced in the State Gazette, No. 48/13.06.2025 and also on the website of the Technical University of Gabrovo, for the needs of the Department of Electrical Supply and Electrical Equipment at the Faculty of Electrical Engineering and Electronics participates Assoc. Prof. Eng. Plamen Tsenkov Tsankov, PhD.

1. Overview of the content and results of the submitted works

The candidate in the competition, assoc. prof. Plamen Tsenkov Tsankov, PhD, has submitted a report which confirms that he fulfills the minimal national requirements for scientific and teaching activities for the academic position "professor" in the field of higher education 5. Technical Sciences, professional field 5.2. "Electrical Engineering, Electronics and Automation" and also a report that he fulfills the minimal requirements of the Technical University of Gabrovo for scientific and teaching activities for the position of "professor" in the same area and professional field.

The documents submitted by the candidate comply with §63 and §66, Section V "Conditions and Procedure for Appointment to the Academic Position of "Professor"" of the Regulations for the Acquisition of Academic Degrees and Appointment to Academic Positions, https://tugab.bg/images/tu/doktoranti/Pravilnik_nauchni_stepeni_akad_dl_TU_Gabrovo_26062025.pdf

The documents submitted by Assoc. Prof. Plamen Tsankov as a candidate in the competition for the academic position "professor" include 34 scientific publications (4 of which have IF). Their distribution by indicator groups is as follows:

- publications equivalent to a habilitation thesis in peer-reviewed and indexed publications and world-recognized scientific information databases (**indicator B.4**) – 10 papers; [B4.1 – B4.10] – **260.57 points**;

- scientific publications in journals referenced and indexed in world-recognized scientific information databases (**indicator G.7**) – 3 papers, [G7.1 – G7.3] – **30 points**;

- scientific publications printed in peer-reviewed journals and collections (**indicator G.8**) – 21 scientific publications in non-refereed peer-reviewed journals or edited collective volumes, 4 of which are authored on their own and others in co-authorship [G8.1 – G8.21], **214.02 points**.

Group of indicators "D": A reference based on 31 citations and six reviews in scientific publications that are referenced and indexed in leading scientific information databases has been presented. It provides a total of **370 points**.

Group of indicators "E": For this group of indicators, a reference that proves the below has been presented:

- Two successfully graduated PhD students under supervision (**indicator E17 – 80 points**);
- Supervision of eight projects (five university research projects and three contracts with external clients) (**indicator E20 – 180 points**);

- Two printed academic books (**indicator E23 – 40 points**);
 - One Patent application (**indicator E25 – 20 points**);
 - Two Utility Model applications that have been recognized (**indicator E26 – 80 points**).
- The total number of points for indicator group “E”: 380.**

Assoc. Prof. Plamen Tsankov is a member of many scientific organizations: International Commission on Illumination; IEEE; Chairman of the Professional Section in the Regional Board of the Chamber of Engineers in Investment Design - Gabrovo; Chairman of the Territorial Organization of the Scientific and Technical Union - Gabrovo; member of the Management Board of the Federation of Scientific and Technical Unions in Bulgaria; member of the Management Board of the National Committee on Lighting in Bulgaria; member of the Management Board of the Union of Electronics, Electrical Engineering and Communications; member of the Bulgarian National Committee on Lighting; member of the Union of Physicists in Bulgaria.

I accept the official documents that certify the participation and management of the scientifically applied contracts, scientific research projects, developed curricula, lectures that have been given, teaching activities, etc. I highly value the academic books that have been reviewed before their publication.

Assoc. Prof. Plamen Tsankov has received a total of **1304.59 points**, which exceeds the minimum requirements in each of the indicator groups. This excellent assessment recognises the candidate's high-quality research and teaching work.

2. General overview of the candidate's activities

2.1. Educational and pedagogical activity

The candidate provides information related to his professional training and continuous efforts to improve his qualifications over the years, having completed eight courses related to his professional activity and one course in foreign language training.

Over the last five academic years, his teaching duties at the Technical University of Gabrovo are 2,147 hours in total. These duties include lecturing and carrying out practical exercises in seven academic disciplines directly related to the field of the announced competition. He has participated in a collaboration that develops programmes for bachelor's and master's degrees, as well as for two PhD courses, as the total of the academic programmes is 19.

Assoc. Prof. Plamen Tsankov has participated in the development of two specialized research laboratories ("Power Supply and Lighting Technology" and "Renewable Energy Sources and Energy Efficiency") and two teaching laboratories ("Power Supply" and "Lighting and Installation Technology").

Assoc. Prof. Tsankov has been the mentor of 186 successfully graduated students.

I consider that the educational and pedagogical background and activity of Assoc. Prof. Plamen Tsankov fully meets the requirements for this group of indicators.

2.2. Scientific and applied scientific activities

The scientific and applied scientific activities of Assoc. Prof. Plamen Tsankov PhD include 34 publications, covering a wide range of international forums in the country and abroad. Among the most significant ones are Lighting 2023, Lighting 2024, Energy Forum, UNITECH, BulLight, etc. The international specialized publications “The Sun and Photovoltaic Technologies. Green Energy and Technology”, Springer (2020); Energy and Buildings, Elsevier (2024); Applied Sciences, 2025, can be indicated here.

The candidate's scientific and applied scientific activities focus on processes and events related to the study, modelling and optimisation of lighting and electrical parameters and characteristics of LED light sources and luminaires. They also focus on surveying, designing and optimising indoor and outdoor lighting systems and power supply systems with photovoltaic power plants.

Assoc. Prof. Plamen Tsankov, PhD, Eng., is an expert in the Technical Committee of the Bulgarian State Standard TC 54 "Lighting Equipment and Electrical Installation Products."

2.3. Implementation activity

The materials for participation in the competition include 1 patent application and 2 registered utility models at the Patent Office of the Republic of Bulgaria. As a part of the implementation activity, we can also point out the fact that a large part of his scientific developments are successfully used in the educational process in the disciplines led by him.

3. Contributions and significance of the contributions to science and practice

I accept the submitted contributions from the candidate. I believe that the scientific and applied scientific contributions that are a part of the works of Assoc. Plamen Tsankov, PhD, are relevant and significant for the development and enrichment of scientific research in the field of electricity supply and electrical equipment, lighting and installation equipment, photovoltaic systems and renewable energy. He has been involved as an expert in the work contracts commissioned by companies.

The review of the activities of Assoc. PhD. Plamen Tsankov leads to the conclusion that he is well known to the scientific community for his multilateral activity, and the results of his research and work have been put into practice

4. Personal contribution of the candidate

My assessment of the candidate's contributions and achievements in the competition is high. In 2025, Assoc. Prof. Plamen Tsankov has 12 citations in 6 publications. According to a check in the SCOPUS database (Scopus ID 57196052618) on 08.11.2025, Assoc. Prof. Plamen Tsankov has 50 citations and a Hirsch index from SCOPUS - $h = 5$. He has been a member of the scientific juries for PhD degrees and also for academic positions.

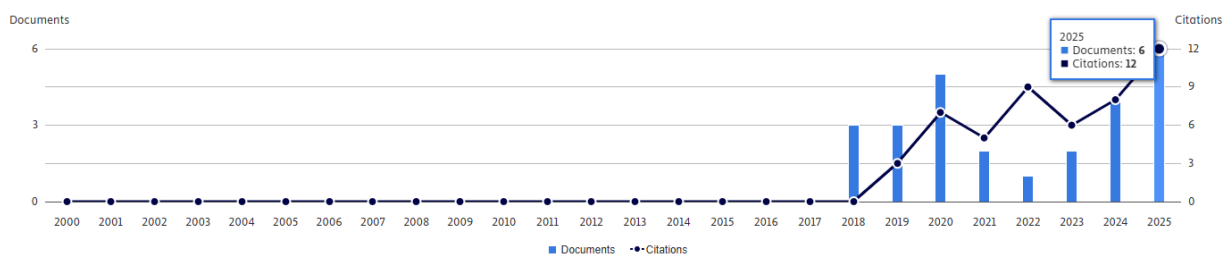
Citation overview

For 11 documents

11 Documents 50 Citations 5 h-index

Date range: 2000 to 2025

Exclude citations Hide documents with 0 citations Export



5. Critical remarks and recommendations

I have no significant remarks and I am not questioning the main scientific, scientific-applied, and applied contributions in the presented works of Assoc. Prof. Dr. Plamen Tsenkov Tsankov.

6. Personal impressions

I know Assoc. Prof. Plamen Tsankov as an erudite lecturer with technical background, solid theoretical knowledge and high expertise. These qualities are the basis of his success as a researcher and lecturer. All of this is a prerequisite for the high quality of teaching and research process and for the increasing interest of the students in the disciplines he teaches. As a colleague, he is supportive, highly responsible and very organized.

7. Conclusion

Considering all of the above,

I PROPOSE

ASSOC. PROF. ENG. PLAMEN TSENKOV TSANKOV, PhD

to be elected as a PROFESSOR in the

field of higher education - 5. Technical Sciences,

professional field - 5.2. Electrical Engineering, Electronics and Automation,

Specialty - Electrical Supply and Electrical Equipment (Lighting and Installation Equipment)

08.11.2025 г.

Chair of the Jury:

/Assoc. Prof. Eng. Dimitrina Koeva, PhD/