

OPINION

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On the materials presented for the competition
for the occupation of the academic position "Associate Professor"
in Area of Higher Education - 5. Technical sciences
Professional field - 5.13. General engineering
Specialty - Engineering Ecology

In the competition for associate professor, announced in the State Gazette, issue 68 / 31.07.2020 and on the website of TU-Gabrovo for the needs of the Department of Mathematics, Informatics and Natural Sciences at the Faculty of Economics, as a candidate participates Ch. Assistant Professor Dragomir Stoyanov Vassilev, Ph.D.

1. An overview of the content and the results of the presented works

Ch. Assistant Professor Dragomir Stoyanov Vassilev, PhD, participated in the competition with:

- Publications - 31;
- Monograph - 1;
- Textbooks - 5.

Publications can be classified as follows:

- 5 individual ones (№ G.8.17, 18, 19, 20, 23);
- 26 in co-authorship (№ G.8.1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31);
- 13 in English, (№ G.8.1, 2, 10, 14, 15, 21, 22, 24, 25, 26, 27, 30, 31);
- 18 in Bulgarian (№ G.8.2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 16, 17, 18, 19, 20, 23, 28, 29);
- 3 in editions with ISSN abroad (№ G.8.22, 26, 27);
- 28 in editions with ISSN in Bulgaria (№ G.8.1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, 25, 28, 29, 30, 31);
- 3 papers in international conferences abroad (№ G.8.22, 26, 27)
- 20 papers in scientific conferences (including with international participation) in Bulgaria (D.8.1, 2, 3, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 17, 24, 25, 28, 29, 30, 31);
- 7 issues in journals in Bulgaria (№ G.8.9, 16, 18, 19, 20, 21, 23)
- 1 issue in Scientific papers of PU "P. Hilendarski" (№ G.8.4)
- 1 monograph (№ B.1);
- 1 textbook (№ Y / VII.2);
- 4 teaching aids (№ Y / VII 1, 3, 4, 5);

Ch. Assistant Professor Dragomir Stoyanov Vassilev, PhD, participated in the competition with five textbooks. The enclosed 1 textbook and 4 textbooks fully correspond to the topic of the competition.

The presented monograph "Modern engineering solutions for the synthesis, modification and application of organic compounds through the application of ultrasonic and microwave energy", combines the candidate's research published in co-authorship in scientific journals inside and outside the Scopus and WoS databases. I accept that it meets the requirement for a monograph according to the Law for development of the academic staff in the Republic of Bulgaria and is sufficient to meet the minimum requirements for indicator "B".

Materials showing 10 citations.

The content of the above scientific publications, monographs and textbooks fully corresponds to the scientific field of the competition for associate professor.

The candidate has submitted a report, which shows that he has met the minimum national requirements for the academic position of "associate professor".

The minimum quantitative requirements for candidates for the academic position of "Associate Professor", according to the rules adopted by the Technical University - Gabrovo, are also met by the candidate Dragomir Vassilev:

Table 1. Minimum required points by groups of indicators for the different scientific degrees and academic positions according to the Law for development of the academic staff in the Republic of Bulgaria

Indicators	Contents	Requirement for AP "Associate Professor"	Number of points of the candidate
A	Indicator 1	50	50
B	Indicator 3 or 4	100	100
G	Sum of indicators from 5 to 11	200	272,3
D	Sum of indicators from 12 to 15	50	76

Table 2 Minimum requirements of TU - Gabrovo to the scientific, teaching and / or artistic or sports activity of the candidates for acquiring a scientific degree and for holding the academic positions

Contents	Requirement for AP "Associate Professor"	Number submitted by the candidate
Total number of publications (articles and reports)	20, of which at least 4 as a single author	31, of which at least 5 as a single author
Number of known citations from other authors	5	10
Published textbooks	2	5
Project and contract management	1	2

2. General characteristics of the candidate's activity

2.1. Educational and pedagogical activity (work with students and doctoral students)

Ch. Assistant Professor Dragomir Stoyanov Vassilev has been working at the Technical University - Gabrovo since 2004, and is successively assistant and chief assistant in the Department of Chemistry and Ecology, now "Mathematics, Informatics and Natural Sciences". The research, engineering and pedagogical activities of Ch. Assistant Professor Vassilev develop in a balanced and simultaneous way, complementing each other. He teaches in the following disciplines such as Chemistry, Environmental Chemistry, Waste Treatment Technologies and Techniques, Protected Areas and Biodiversity Conservation, Ecology and Municipal Hygiene, Hazardous and Radioactive Waste and Toxic Substances Management, Disinfection Technology and Techniques and others of bachelor's degree students, as well as masters in the specialty "Environmental Protection and Sustainable Development". He is the head of 6 successfully defended graduates. He is a reviewer of 21 diploma works.

2.2. Scientific and scientific-applied activity

Ch. Assistant Professor Dragomir Stoyanov Vassilev, PhD, participated in the competition for an associate professor with 31 scientific publications (articles and reports), one textbook, 4 textbooks (manuals) and one monograph. The candidate is identified in the Scopus and Web of Science databases and according to the former has h 3 - Hirsch Index.

From the materials submitted to me for review, it is clear that the candidate has some 10 citations in publications abroad, of which:

- 7 citations in scientific journals, referenced and indexed in world-famous databases with scientific information (Scopus / Web of Science)
- 3 citations abroad in unrefereed journals with scientific review:

In his scientific and applied activity Ch. Assistant Professor Dragomir Stoyanov Vassilev, PhD has participated in:

- 1 research project at the National Research Fund at the Ministry of Education and Science on the topic "Synthesis and activity of oxide catalytic systems for catalytic and photocatalytic oxidation of toxic organic compounds in aqueous media.
- 3 educational projects, of which 2 national under the Operational Program "Human Resources Development" and 1 international under the program "Leonardo da Vinci".
- 13 research projects financed from the state budget through the Research Fund of the Technical University - Gabrovo

Ch. Assistant Professor Dragomir Stoyanov Vassilev, PhD, is the head of two research projects - in 2019 and 2020, funded by the state budget through the Research Fund of the Technical University - Gabrovo on the topic: "Study of the possibilities for conservation of the environment - stage 2 and stage 3".

3. Contributions (scientific, scientific-applied, applied). Significance of contributions to science and practice

I accept the announced by Ch. Assistant Professor Dragomir Stoyanov Vassilev, Ph.D. I define the presented contributions as scientific-applied and refer to the scientific interests of the candidate. I believe that the requirements for the quantitative indicators of the criteria for holding the academic position of "Associate Professor" have been met.

4. Assessment of the candidate's personal contribution

The individual 5 scientific publications of Ch. Assistant Professor Dragomir Stoyanov Vassilev, Ph.D. and those of whom he is in first place (in 16 of the publications) are evidence of his leading participation in research.

5. Critical notes and recommendations

Much of the assessment of the scientific production and creative activity of the candidate for "associate professor" is consistently set out in the opinion.

6. Conclusion:

Given the above, I propose Ch. Assistant Professor Eng. Dragomir Stoyanov Vassilev PhD to take up the academic position of "Associate Professor" in the Area of higher education 5. Technical sciences, professional field 5.13. General Engineering, specialty - Engineering Ecology.

26.10.2020

Jury member: /signature/
Prof. Eng. Nikolay Dimitrov Penov PhD