

## STANDPOINT

for participation in a competition for an academic position "Associate professor"  
in scientific field 5 Technical sciences  
professional field 5.1 Mechanical Engineering  
specialty "Cutting of materials and cutting tools"  
posted in SG issue 40/31.05.2022  
with a single applicant: Assistant Professor Eng. Dimka Kostadinova Vasileva, PhD  
Member of the scientific jury: Assoc. Prof. Eng. Radostin Dimitrov Dimitrov, PhD  
According to Rector's Order 559/25.07.2022

### ***1. General characteristics of the candidate's research and applied scientific activity***

Assistant Professor Dimka Kostadinova Vasileva PhD graduated from Technical University of Varna, majoring in "Mechanical Engineering and Technologies" in 2012. She defended his doctoral dissertation in 2018. on "Planning Quality Control". In 2019 was appointed to the position of chief assistant at the "TMMM" department at TU-Varna, where he works until now.

The following works are submitted for participation in the competition for "Associate professor":

- 1.1 According to indicator "B" - Monograph on the topic: Selection of effective methods and tools for processing the details by cutting;
- 1.2 According to indicators „Г“ - 19 publications, ten of which are indexed in Scopus;
- 1.3 According to indicator „Д“ - 22 citations of the candidate's works, 17 of which are from articles indexed in world-renowned Scopus databases.

For evaluation, I accept 19 papers in which the candidate's participation is as follows:

- First author in 6 papers.
- Second author is in 8 papers.
- Third author is in 2 papers.
- Fourth and next author is in 3 papers.

All publications are on the topic of the competition, with 5 in Bulgarian and 14 in English.

For the period 2014 - 2021 Ch. Assistant Professor, Eng. Dimka Kostadinova Vasileva PhD, has participated in 6 scientific projects, one of which is from the internal competitions of TU-Varna under the Scientific Research Fund, two projects are from external competitions for TU-Varna - projects under National Science Fund (FNI) and three under operational programs and other national projects

Chief Assistant Professor Dimka Kostadinova Vasileva PhD, has made a major contribution to establishing contacts and creating partnership relations with representatives of the private sector and providing a practical environment outside the TU-Varna.

She is a member of the "Club 9000" association, a member of the Bulgarian Institute for Standardization (BIS), a member of the "Mechanical Engineering and Technologies" society at

the NTS - Varna, and member of the National Scientific and Technical Society "Defectoscopy" (NNTDD).

**Conclusion** - Chief Assistant Professor Dimka Kostadinova Vasileva PhD fulfills the minimum national requirements for all groups of indicators for "Associate professor", some of which have been significantly exceeded - groups „Г“, „Д“ and „Ж“.

## **2. Assessment of the pedagogical preparation and activity of the candidate**

For the last three years chief Assistant Professor Dimka Kostadinova Vasileva, PhD has led and continues to lead lectures and exercises in more than 15 disciplines with students from the "Bachelor" degree from TU-Varna, of specialties: Computerized technologies in mechanical engineering and Mechanical engineering and technologies, in full-time and part-time study.

Chief assistant Professor Dimka Kostadinova Vasileva, PhD has completed a specialization, teaching mobility with the aim of teaching within the framework of the "Erasmus+" 2021/2022 program at the "Gheorghe Asachi" Technical University of Iasi, Romania, in 2022.

The candidate was the supervisor of 7 graduates, four of them in the "Bachelor" degree and three in the "Master" degree. There are two reviews of graduate theses of students of the specialty. Also Chief assistant Professor Dimka Kostadinova Vasileva, PhD, has been a consultant to two PhD students from the her department.

**Conclusion** - I assess the pedagogical qualification of the candidate at a very high level for the required academic position "Associate Professor".

## **3. Main scientific and applied contributions**

In the presented 19 scientific works of the candidate, scientific contributions related to the following thematic areas can be singled out:

Thematic direction 1. - Methods and resources of quality control;

Thematic direction 2. - Methods and resources of mechanical processing;

The contributions contained in the candidate's works can be attributed to the following groups:

- Scientific contributions - 4;
- Scientific and applied contributions - 7;
- Applied contributions - 3;
- Citations - 22.

As can be seen, there are important scientific, scientific-applied and applied contributions, some of which are the candidate's personal work or were obtained with her decisive participation. The citations of these works speak for the recognition of the candidate by the scientific circles in the field at home and abroad.

#### ***4. Significance of the contributions to science and practice***

The large number of scientific, scientific-applied and applied contributions enrich the theory, teaching material and practice in the field of the announced competition. Considering that the candidate presents 19 papers with his participation, 10 of which have been published in international scientific conferences and journals, indexed in the world-renowned Scopus databases, it shows that the candidate is at a high scientific and technical level.

The presented citations of her works speak for the recognition of the candidate from the scientific circles at home and abroad.

The quantitative indicators of the criteria for the occupation of the academic position "Associate Professor" have been fulfilled.

I find that Chief assistant Professor Dimka Kostadinova Vasileva, PhD is a highly qualified specialist and a recognized researcher and educator in the field of metal cutting tools and quality control.

#### ***5. Critical remarks and recommendations***

I have no objections to the scientific works of the candidate. From the submitted materials for participation in a competition for the appointment of AD docent, I can confirm the high scientific and pedagogical training of the candidate - Chief assistant Professor Dimka Kostadinova Vasileva, PhD.

### **CONCLUSION**

I know the candidate personally, and based on the presented documents, materials and scientific works, their importance and the scientific, scientific-applied and applied contributions contained in them, I believe that Chief assistant Professor Dimka Kostadinova Vasileva, PhD, fully meets the requirements of ZRASRB, the Regulations for its application and the Regulations of the Technical University - Varna for holding academic positions. For this reason, I give my positive assessment and recommend the respected Scientific Jury to support the candidate Chief assistant Professor Dimka Kostadinova Vasileva, PhD for the academic position "Associate professor" in the Scientific field 5 Technical Sciences, professional field 5.1 Mechanical Engineering, specialty "Cutting of materials and cutting tools".

**Заличена информация  
по Регламент (ЕС)  
2016/679**

23.09.2022  
Varna

Jury member:

/Assoc. prof. K. Dimitrov, PhD/