

STATEMENT

by Associate Prof. Dr. Dobromir Ivanov Yordanov,
University "Prof. Dr. Assen Zlatarov", Burgas

Regarding: *Competition for the occupation of an academic position "Associate professor" in the field of higher education 5 "Technical sciences", professional direction 5.13 "General engineering", scientific specialty "Technology of natural and synthetic fuels"*

In the announced competition for the occupation of an academic position "Associate professor", documents were submitted by one candidate - Ch. assistant Dr. Milena Petkova Dimitrova.

I. Biographical data of the candidate

Ch. Assistant Dr. Milena Petkova Dimitrova was born on 07/08/1970 in the town of Burgas. She completed her higher education at the University "Prof. Dr. Asen Zlatarov"-Burgas, having graduated "Master degree", specialty "Technology of Oil, Gas and Chemmotology" in 1994. In 2008, he obtained a PhD by defending a dissertation on the topic "Regulations in the production of fuel additives based on petroleum hydrocarbons" in the field of higher education 5 "Technical Sciences", professional direction 5.10 "Chemical Technologies" and scientific specialty "Technology of natural and synthetic fuels". From 1994 to 2019, he worked in the "Customs" Agency, Territorial Directorate of the Southern Sea-Burgas as a chief customs inspector. Milena Dimitrova is a part-time university lecturer from 2012 to 2019 at the University "Prof. Dr. Asen Zlatarov"-Burgas. Currently, the candidate is the chief assistant in the Department of Industrial Technologies and Management, Faculty of Social Sciences, University "Prof. Dr. Asen Zlatarov"-Burgas.

II. Teaching and administrative activities of the candidate

The teaching activity of Ch. Assistant Professor Milena Petkova Dimitrova expresses herself in:

1. Seminars and laboratory classes in the "Professional Bachelor", "Bachelor" and "Master" Degree in the academic disciplines: "Operational characteristics of fuels", "Operational characteristics of fuels and oils" "Risk management in industry", "Petroleum chemistry", "Oil and gas technology", "Production technologies", "Trade and forwarding relations in transport", "Economic risk" (financial and entrepreneurial), "Health and safety at work", "Customs legislation and Customs Control", "Customs Investigation and Risk Analysis", "Customs Aspects of Common Agricultural Policy Implementation and Mechanism", "Administrative-Criminal Law and Process", "Customs Regimes and Procedures", "Specialization Practice" in "Master" Degree, Master Program "Technology and Management of Oil and Gas Infrastructure".
2. Lecture courses on the disciplines "Trade and forwarding relations in transport", "Customs legislation and customs control", "Customs investigation and risk analysis", "Customs aspects of implementation and mechanism of common agricultural policy", "Administrative- Criminal Law and Procedure", 'Customs Regimes and Procedures'.
3. The development of the relevant study programs for the above-described study disciplines and their timely updating.

4. Guidance of a graduate student who successfully defended his Master thesis during the academic year 2021-2022.

The total reported lecture load of the candidate in the "Professional Bachelor", "Bachelor" and "Master" Degree for the last four academic years is as follows:

- 2019-2020: 744,7 hours;
- 2020-2021: 982,3 hours;
- 2021-2022: 1077,8 hours;
- 2022-2023: 1103,2 hours.

The administrative activity of Ch. Assistant Professor Milena Petkova Dimitrova expressed the following:

1. Membership in collective management bodies of the University "Prof. Dr. Asen Zlatarov"-Burgas: member of the General Assembly of the University for the term 2019-2023, member of the General Assembly of the Faculty of Social Sciences and the Faculty of Natural Sciences.

2. Participation in University Committees: member of the Committee for the preparation of documentation for program accreditation of professional direction 5.13 "General Engineering" (Order No. RD-171/24.06.2021), member of the Committee for the preparation of documentation for program accreditation of a doctoral program "Technology of natural and synthetic fuels" in professional direction 5.10 "Chemical technologies" (Order No. RD-172/24.06.2021).

III. Research activity of the candidate

Ch. assistant professor Milena Dimitrova participated in the competition with 23 scientific works (monographs, publications that are referenced and indexed in world-famous databases with scientific information (Scopus; Web of Science) and in non-refereed journals with scientific review or in edited collective volumes, participation in scientific forums, published university textbooks. The distribution of scientific works is as follows:

1. Habilitation thesis (Monograph) with the title "Side processes causing contamination of technological equipment in oil refining installations", University "Prof. Dr. A. Zlatarov"-Burgas, Libra Scorp, 2022, ISBN 978-619-7559-27-9.
2. Scientific publications in international scientific publications, referenced and indexed in world-famous databases with scientific information (Scopus and Web of science) — 12 issues.
3. Scientific publications in modern Bulgarian scientific publications with scientific review or in edited collective volumes - 7 issues.
4. University textbooks – 3 copies.

Ch. Assistant Professor Milena Petkova Dimitrova participated in the collectives of 4 /four/ scientific projects financed by the Scientific Research Institute of the University "Prof. Dr. Asen Zlatarov"-Burgas, as a member of three of them and head of one project.

The candidate has presented in the documentation for the competition citations in refereed and indexed scientific publications (Scopus and Web of science).

In summary, the scientometrics of Ch. Assistant Professor Milena Petkova Dimitrova quantitatively exceeds the minimum thresholds of the state requirements (400 points) and the requirements of the University "Prof. Dr. Asen Zlatarov"-Burgas (650 points).

The contributions of Ch. assistant Dr. Milena Petkova Dimitrova have a scientific and

scientific-applied character and are grouped in the following three directions in the field of engineering sciences and the technology of natural and synthetic fuels, namely:

1. Development of good practices and improvement of technological processes in oil refining regarding the influence of the raw material on the intensity of side processes.

2. Implementation of methods to reduce corrosion processes in installations for atmospheric distillation of oil and introduction of inhibitory protection in installations for the production of bitumen.

3. Improving the operational characteristics of fuel-lubricants, as well as solving technological problems from the field of the professional direction "General Engineering". The scientific output of the candidate is in accordance with the field of higher education (5. Technical sciences), the professional direction (5.13. General engineering) and the scientific specialty (Technology of natural and synthetic fuels) according to the announced competition.

IV. Conclusion

After the analysis of the provided documents from Chief assistant professor Milena Petkova Dimitrova, Ph.D., I express the opinion that the scientific activity of the candidate is in accordance with the profile of the announced competition, which defines her as an established scientist in the field of engineering sciences and the professional direction 5.13 "General Engineering". The teaching activity of Ch. assistant professor Milena Petkova Dimitrova, PhD, is quite comprehensive, as the candidate conducts laboratory, seminar exercises and lectures in 9 /nine/ academic disciplines in the "Bachelor" and 8 /eight/ in the "Master" Degree. Her average classroom occupancy for the last 4/four/ school years in Professional Bachelor, Bachelor and Master Degree is 977 study hours. My personal impressions of my joint work with the candidate are excellent. She is responsive, responsible and knows how to work in a team. Everything said so far gives me reason to give a positive opinion to the documents with which Chief Assistant Professor Milena Petkova Dimitrova participated in the competition for "Associate Professor" and I recommend both the respected members of the Scientific Jury and the respected members of the Faculty Council of the Faculty of Social Sciences to vote positively for the appointment of the academic position "Associate Professor" in the field of higher education 5. Technical sciences, professional direction 5.13 General engineering, scientific specialty "Technology of natural and synthetic fuels" from Chief assistant Dr. Milena Petkova Dimitrova.

Date: 29.08.2023,
Burgas

Member of SJ:
/Associate Prof. Dr. Dobromir Jordanov/