

## STATEMENT

by Associate Prof. Dr. Milena Petkova Dimitrova,  
University "Prof. Dr. Asen Zlatarov", Burgas

**Regarding:** Competition for the occupation of an academic position "Associate professor" in the field of higher education: 5. Technical sciences, professional direction 5.11. Biotechnologies, scientific specialty "Technology of biologically active substances ( including enzymes, hormones, proteins ) ", announced in the State Gazette No. 70/20.08.2024 with the date of publication on the website of the University "Prof. Dr. Asen Zlatarov", Burgas - 20.08.2024.

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

### I. Biographical information about the candidate

Ch. assistant professor Galina Dimitrova Yordanova, PhD was born on April 23, 1976. in the city Burgas. She completed her higher education at the University "Prof. Dr. Asen Zlatarov" - Burgas, having graduated "Master degree", specialty "Biotechnologies" in 2000. In 2013 she obtained a PhD by defending a dissertation on the topic "Biodegradation of phenol and phenolic derivatives with immobilized microbial cells" in the field of higher education 5. Technical sciences, professional direction 5.11. Biotechnology, scientific specialty "Technology of biologically active substances (including enzymes, hormones, proteins ) ". Since 2006 she works at the University "Prof. Dr. Asen Zlatarov" - Burgas as a part-time assistant, and since 2007 holds the position of "Assistant". Currently, the candidate is the chief assistant in the Department of Biotechnology, Faculty of Technical Sciences, University "Prof. Dr. Asen Zlatarov" - Burgas.

### II. Teaching and administrative activities of the candidate

The teaching activity of Ch. assistant professor Galina Dimitrova Yordanova expresses herself in:

1. Seminars and laboratory classes in the "Professional Bachelor", "Bachelor" and "Master" Degree in the academic disciplines: "Microbiology", "Biotechnology of pharmaceuticals", "Biotechnological productions", "Biotechnological methods in ecology", "Technology of milk and milk products", "Medical microbiology", "Food legislation and food policy", "Food Additives", "Food Quality Management".

2. Lecture courses in the disciplines: "Microbiology", "Biotechnology of pharmaceuticals", "Biotechnological productions", "Technology of milk and dairy products", "Food legislation and food policy", "Canning".
3. The development of relevant study programs for the above-described study disciplines and their timely updating.
4. Guidance of a graduate students who successfully defended his Master thesis during the academic years 2008- 2020.

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

- 2021-2022: 824 hours;
- 2022-2023: 564 hours;
- 2023-2024: 582 hours.

The administrative activity of Ch. Assistant Professor Galina Dimitrova Yordanova expresses the following:

1. Membership in collective management bodies of the University "Prof. Dr. Asen Zlatarov" - Burgas: member of the General Assembly of the University "Prof. Dr. Asen Zlatarov" - Burgas, member of the Faculty Council of the Faculty of Technical Sciences from 2022. until now;
2. Participation in University Committees: member of the commission for conducting the State Examination for the Bachelor's Degree, specialty "Biotechnologies" and "Food Biotechnologies", member of the committee for conducting the biology exam for the Master's Degree, specialty "Medicine".

### **III. Research activity of the candidate**

Ch. assistant professor Galina Dimitrova Yordanova participated in the competition with 29 scientific works (monograph, publications that are in referenced and indexed 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 textbook-notes, application for inventions) .

The distribution of scientific works is as follows:

1. Habilitation thesis (Monograph) with the title "Methods for improving quality in organizations from the chemical and biotechnological industry", Publishing House Libra Scorp, p. 223, 2022, ISBN 978-654-471-905-0.
2. Scientific publications in international scientific publications, referenced and indexed in world-famous databases with scientific information (Scopus; Web of Science) - 7 issues.
3. Scientific publications in modern Bulgarian scientific publications with scientific review or in edited collective volumes - 21 issues.
4. University textbook - notes - 1 issue.

Ch. assistant professor Galina Dimitrova Yordanova has filed an invention application, published in the "Official Bulletin" of the Official Monthly Edition of the Patent Office, issue 5 dated 31.05.2016.

The candidate participated as a researcher in the Project under prgramm "Innovations and Competitiveness" for "Development of an innovative product - imaging cytometer " Hand-help "" for the period 2018-2019, as well as was an academic mentor on projects from "Student practices", Phase 1 and Phase 2 co-financed by EU funds for the periods of 2016-2018 respectively. and 2020-2023.

Ch. assistant Dr. Galina Dimitrova Yordanova presented in the documentation for the competition citations in refereed and indexed scientific publications (Scopus; Web of Science) .

In summary, the scientometrics of Ch. assistant Dr. Galina Dimitrova Yordanova 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. Galina Dimitrova Yordanova have a scientific and scientific-applied character and are grouped in the following four directions in the field of technical sciences and technology of biologically active substances, namely:

1. Biodegradation of phenol and phenolic derivatives with immobilized cells of microorganisms on different supports.
2. Quality control and management in various food productions and laboratories.
3. Yeast - vitality and vitality.
4. Application of molds and yeasts to obtain valuable bioproducts.

The scientific output of the candidate is in accordance with the field of higher education (5. Technical sciences) , professional direction (5.11. Biotechnology) and scientific specialty (Technology of biologically active substances (including enzymes, hormones, proteins)) according to the announced competition.

#### **IV. Conclusion**

After the analysis of the provided documents from chap. assistant professor Galina Dimitrova Yordanova, PhD, I express an 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 technical sciences and professional direction 5.11. "Biotechnologies".

The teaching activity of Ch. assistant professor Galina Dimitrova Yordanova, PhD, is quite comprehensive, as the candidate conducts laboratory, seminar exercises and lectures in 6 /six/ academic disciplines in the "Bachelor" Degree and "Professional Bachelor" Degree, as well as 4 /four/ in the "Master" Degree . Its average classroom occupancy for the last 3 /three/ school years in Bachelor, Professional Bachelor and Master" Degree is 657 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 chap. assistant Dr. Galina Dimitrova Yordanova 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 Technical Sciences to vote positively for the occupation of the academic position "Associate Professor" in the field of higher education 5. Technical sciences, professional direction 5.11. Biotechnologies, scientific specialty "Technology of biologically active substances (including enzymes, hormones, proteins) " from ch. assistant Dr. Galina Dimitrova Yordanova.

Date: 19.11.2024

Burgas

Member of SJ:.

/Assoc. Prof. Dr. Milena Dimitrova/