

REVIEW

to occupy the academic position:

"Professor"	
"Associate Professor"	X
	one of the academic positions indicated shall be marked with the sign "X"

Candidates to occupy the position:

1	Senior assistant Professor	PhD	Silviya	Dimitrova	Trajkova-Parhomenko	University of Chemical Technology and Metallurgy (UCTM)
№	academic position	scientific degree	name	middle name	last name	workplace

Scientific area:

1.	Pedagogical sciences
code	name

Professional area:

1.2.	Pedagogy
code	name

Scientific specialty:

Vocational education

The competition has been announced:

68	13.08.2024	Humanities	Department of Humanities
in SG issue	date	for the needs of the Department	Faculty

The review was written by:

Associate professor	PhD	Iliana	Ognianova	Petkova	Sofia University "St.Kliment Ohridski"
academic position	scientific degree	name	middle name	last name	workplace

1. Review for the candidate:

Senior assistant professor	PhD	Silviya	Dimitrova	Trajkova-Parhomenko
academic position	scientific degree	name	middle name	last name

1.1. Completion of the provided documents:

A) The competition documents are in full compliance with the Regulations	3 points	x
B) The documents are complete but do not fully comply with the requirements of the Regulations	2 points	
C) The documents are not completed in accordance with the requirements of the Regulations	0 points	
		one of the answers given is marked with the sign "X"

Missing documents and violated requirements must be described if response C is marked.

For the purposes of the competition, the candidate has submitted the requirements under Art. 44, para. 1 of the Regulations for the acquisition of scientific degrees and academic positions of UCTM documents.

1.2. Meeting the minimum requirements under the Regulations:

A) The candidate meets the minimum requirements	20 points	x
B) The candidate doesn't meet the minimum requirements	0 points	
		one of the answers given is marked with the sign "X"

It must be filled in if answer B is marked. The publication activity of the candidate is analyzed. The response of the results achieved (quoted) is analyzed.

In the competition, Senior Assistant Professor PhD S. Traykova-Parkhomenko participated with 1 monograph, 1 manual and 24 articles, of which 12 are co-authored (publ. No. 10,11,12,14,15,16,17,19,20,21,22,24). In 9 of them she is the first author (publ. No. 10,11,12,14,15,16,17,22,24) and in 3 - second author (publ. No. 19,20,21). Of the 24 articles mentioned, 8 are in English (publ. No. 12,14,16,19,21,22,23 and 24) and 2 in Russian (publ. No. 13 and 17).

According to appendix 1b, the sum of the points for the individual indicators is 460, but in my opinion, 40 points were missed from item 20 – published university manual. Thus, the total number of points becomes 500. Through the developed manual, the candidate also meets the requirements of art. 43, para. 3 of the Regulations for the Acquisition of Scientific Degrees and Academic Positions of the University of Chemical Technology and Metallurgy

Three of the candidate's articles have been cited. In total, there are 4 citations, 2 by Bulgarian authors and 2 by foreign authors.

1.3. Relevance of scientific and / or applied research:

A) The research is relevant. Part of the research is pioneering (no results are known on the topic by other authors)	7 points	
B) Research is relevant. Results from other authors are known for each of the topics and / or applications studied.	5 points	x

C) Most of the research is relevant, but also some results are presented that have no scientific and / or applied value	3 points	
D) The smaller part of the research is relevant	2 points	
E) Research is not relevant	0 points	
		one of the answers given is marked with the sign "X"

The evaluation of the relevance of the research must be substantiated.

The publications of Senior Assist. Prof. PhD. S. Traykova are in specific areas – assessment, vocational education and higher education. The emphasis in most of them is assessment, an extremely important activity in the learning process and always a topical topic for research. In the presented monograph “Assessment and its influence on learning motivation”, the candidate covers the problem in its entirety – from definitions, through characteristics, theories, types, functions and methods. She pays attention to the requirements in assessment technology and the specifics of self-assessment and mutual assessment. She directs her efforts to studying its manifestation in higher education by studying the learning motivation of students from UCTM.

Another emphasis in the candidate's works is the competency approach and innovations in education. Over the past few years, this approach has been the focus of all researchers in the field of education. In the manual "Competency Approach and Innovations in Education", she fits into the current trends, again highlighting the specifics of its application - on students from the University of Chemical Technology and Metallurgy. The relevance is expressed in the application of the competency approach in engineering education.

It should be emphasized that all publications submitted for the competition were published after receiving the ONS "doctor" in 2008, which is also proof of their relevance.

1.4. Knowledge of the problems subject of research:

A) The candidate knows in detail the achievements of other authors on the researched topics and/or applications	6 points	x
B) The candidate is partially familiar with the achieved results on the researched topics and / or applications	4 points	
C) The candidate has no prior knowledge of the status of the researched problems	0 points	
		one of the answers given is marked with the sign "X"

The evaluation must be substantiated if answer C is marked.

The candidate's research interests in the issues of motivation for learning and assessment stem from her doctoral dissertation, which is on the topic: "Stimulating learning motivation through formative assessment in the initial stage of education, grades I-IV" with scientific supervisor Prof. Dr. Emilia Vasileva. Now they have been transferred to the field of vocational and higher education.

In the works submitted for the competition, Senior Assistant Professor Dr. S. Traykova demonstrates knowledge of the ideas of various authors working in these two areas. The reason for this is the fact that in the main work with which she participated in the competition (the monograph “Assessment and its influence on learning motivation”) the literature used is from the last 30 years. In the manual

“Competency Approach and Innovations for Learning” for each of the two chapters she referred to 80 sources from Bulgarian and foreign authors.

1.5. Type of research:

A) Theoretical	4 points	
B) Applied	4 points	
C) Theoretical with application elements	4 points	x
D) It does not correspond to the level specified in the Act for the Development of the Academic Staff in the Republic of Bulgaria and the Regulations	0 points	
		one of the answers given is marked with the sign "X"

The level of research must be substantiated if answer D is marked.

The presented works are of a theoretical-applied nature. In all of them, the same construct is followed – presentation of the idea, its theoretical justification and description of the results of the conducted research. We find this way of working in articles with Nos. 1, 9,10, 11,12, 13, 14, 15, 17, 18, 19, 21,22,23 and 24, as well as the monograph. This approach to constructing research is typical for those in the humanitarian sphere.

1.6. Objectives of the research:

A) Realistic and of scientific and / or applied interest	8 points	й
B) Realistic, but not of scientific and / or applied interest	4 points	
C) Unattainable (unrealistic)	0 points	
		one of the answers given is marked with the sign "X"

Objectives must be specified. The type of the set objectives must be justified.

In each of the areas in which senior assistant professor PhD. S. Traykova-Parkhomenko develops her ideas and conducts research, namely – higher education, vocational education and assessment, the goals are adequate and realistic. For example, in the monograph, in the introduction, she emphasizes that “Theoretical and empirical studies are mainly focused on studying the attitude and satisfaction of learners regarding the influence of assessment on the motivation to learn, for the formation and development of skills and competencies necessary for future professional realization”. In the articles where the results of the research are presented, the research questions and hypotheses are also clearly outlined.

1.7. Methods of research:

A) Adequate to research and set scientific objectives and /or applications	8 points	x
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B) Partially appropriate, enabling part of the scientific objectives and / or applications to be achieved	4 points	
C) Inappropriate methods	0 points	
		one of the answers given is marked with the sign "X"

Methods must be specified. The type of methods used is justified.

The main research method that the candidate applies is the survey method. For monographic study alone, she has developed and applied 4 questionnaires. She correctly indicated (p. 99) that questionnaire No. 4 was created by a team from the unit for monitoring the quality of education at the University of Tbilisi Medical University and was developed with the aim of "investigating the satisfaction/dissatisfaction of students at the UCTM with individual aspects of education in a specific specialty" (ibid.).

In the textbook, she applies 7 author's questionnaires for: peer/mutual assessment (appendix 5), for studying assessment methods and techniques (appendix 6), for studying attitudes and attitudes towards a specific subject/discipline (appendix 7), for studying students' opinions on satisfaction with the training in Chemistry and Environmental Protection (CHEP) (appendix 8), for teachers'/lecturers' satisfaction with the implementation of the competency-based approach in training (appendix 9), for students' satisfaction with the credit accumulation and transfer system (CTS) at the UCTM (appendix 10), for the effectiveness of introductory courses in chemistry, mathematics and physics (appendix 11).

1.8. Candidate research contributions:

A) With lasting scientific and / or applied response, they form the basis for new research and applications	20 points	
B) They are of significant scientific and / or applied interest, complete and / or summarize previous research	16 points	x
C) They are of scientific and / or applied interest	12 points	
D) Lack of significant contributions	8 points	
E) Lack of contributions	0 points	
		one of the answers given is marked with the sign "X"

Contributions must be specified. The type of results achieved must be justified.

As showed in point 1.4. the candidate's interest in the researched issues dates back to 2008, when she defended a dissertation for the award of the ONS "doctor". From this point of view, her interest in motivation for learning and assessment is lasting and builds on earlier research. The contributions can be sought in a theoretical and practical-applied nature. However, in the proposed summaries they are not clearly outlined. What contributions, at a theoretical and practical-applied level, would the candidate derive from her rich pedagogical and scientific research activity?

1.9. Participation of the candidate in the achievement of the presented results:

A) The candidate has at least an equal participation in the submitted papers	8 points	x
B) The candidate has at least an equal participation in most of the submitted papers	7 points	
C) The candidate has a secondary participation in most of the submitted papers	4 points	
D) The candidate participation is unnoticeable	0 points	
		one of the answers given is marked with the sign "X"

Critical notes must be provided if one of the items C or D is marked.

As stated in item 12 of this review, out of 24 articles, 12 are co-authored, with her being the first author in 9 of them, and the second author in 3. No notes from the co-authors have been sent but considering that the two main works with which Senior Assistant Professor PhD. S.Traykova-Parkhomenko participated in the competition are entirely authorial (for which a declaration of authorship has been submitted), I believe that the candidate has equal participation in the indicated articles.

1.10. Pedagogical activity:

A) The candidate has effective and sufficient pedagogical activity at the university. The textbooks issued are modern and useful (they meet the requirements of the Regulations). The work with undergraduate and doctoral students is at a high professional level.	8 points	x
B) The candidate has sufficient pedagogical activity at the university. The textbooks issued satisfy the requirements of the Regulations.	6 points	
C) The pedagogical activity and / or textbooks issued are insufficient (do not meet the requirements of the Regulations)	0 points	
		one of the answers given is marked with the sign "X"

Critical notes must be provided if one of the items B or C is marked.

The regulations for getting scientific degrees and academic positions at the UCTM do not require a minimum number of hours for announcing a competition. The enormous number of hours that the candidate leads is fully sufficient for announcing the competition. From the submitted report on the academic workload of Senior Assist. Prof. PhD. S. Traykova-Parkhomenko, it is evident that she is the titular in both forms of study - full-time and part-time - of 5 courses in the Bachelor's Degree Program in the disciplines: "Communication in Social Systems", "Career Development and Entrepreneurship", "Professional Pedagogy", "Competency Approach and Innovation in STEM Education" and "Psychology of Communication/Management of Relationships in an Educational Environment". The total number of hours in the Bachelor's Degree Program are: 160 hours of lectures and 65 hours of exercises for full-time study and 80 hours of lectures and 33 hours of exercises in part-time study. The candidate also teaches a course at the Master's Degree Program, a full-time

form of study - "Professional Communication in Analytical Practice" - with a timetable of 10 hours of lectures and 15 hours of exercises.

The manual included in the competition meets the requirements of paragraph 9 of the Additional Provisions of the Regulations for the Acquisition of Scientific Degrees and Academic Positions at the UCTM. It presents modern ideas, forms and methods of assessment, which gives me reason to define it as useful when working with students and doctoral candidates. It has been developed at a high professional level.

1.11. Critical notes:

A) Lack of critical notes	8 points	x
B) Critical notes of a technical nature	7 points	
C) Critical notes that would partially improve the results achieved in a small part of the research	5 points	
D) Critical notes that would partially improve the results achieved in most of the research	3 points	
E) Significant critical notes	0 points	
		one of the answers given is marked with the sign "X"

Critical notes must be provided if one of the answers C, D or E is marked.

1.12. Conclusion

A) The evaluation of the candidate's activity is POSITIVE	This evaluation is assigned to a total number of at least 65 points	X/94 points
B) The evaluation of the candidate's activity is NEGATIVE	This evaluation is assigned to a total number below 65 points	
		one of the answers given is marked with the sign "X"

To be filled in if requested by the reviewer

Based on the papers and documents submitted in the competition, I recommend that the members of the scientific jury and the Faculty Council award the academic position of "associate professor" to Senior Assistant Professor PhD. Silvia Dimitrova Traykova-Parkhomenko in the professional field 1. Pedagogical Sciences, 1.2. Pedagogy and the scientific specialty Vocational Education.

24.11.2024

The review was written by:

date	Assoc.Prof. PhD Iliana Petkova	signature
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