

**REVIEW**

to occupy the academic position:

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

**Candidates to occupy the position:**

1	Associate Professor	Dr.	Nikolaj	Karev	Karev	University of Chemical Technology and Metallurgy
№	academic position	scientific degree	name	middle name	last name	workplace

**Scientific area:**

3	Social, economic and legal sciences
code	name

**Professional area:**

3.7	Administration and Management
code	name

**Scientific specialty:**

Organization and management of production (by industry)
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**The competition has been announced:**

27	05.04.2022	Economics and business management	Chemical and systems engineering
in SG issue	date	for the needs of the Department	Faculty

**The review was written by:**

Professor	DSc.	Mladen	Stefanov	Velev	Technical University of Sofia
academic position	scientific degree	name	middle name	last name	workplace

**1. Review for the candidate:**

Associate Professor	Dr.	Nikolaj	Karev	Karev
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	<b>X</b>
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.

**1.2. Meeting the minimum requirements under the Regulations:**

A) The candidate meets the minimum requirements	20 points	<b>X</b>
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.

Assoc. Prof. Dr. Nikolay Karev participated in the competition for professor with 33 works. In twenty-nine of them he is a leading author, and 15 are independent. In the rest he is equal.  
A list of twenty-six notable citations of scientific papers is presented. The candidate satisfies the minimum requirements for holding the academic position of "professor". The points on the indicators are:

- ☐ group A indicator 1 - 50 points;
- ☐ group B indicator 3 - 100 points;
- ☐ group D sum of the points of the indicators from 4 to 10 - 255 points;
- ☐ group E sum of the points of the indicators from 11 to 13 / cited / - 300 points;
- ☐ group E sum of the points of the indicators from 14 to the end - 130 points.

The total points of the candidate are 835 with a required minimum of 550 points. The points on all indicators meet or exceed the minimum requirements specified in the Law on RASB and the Regulations of UCTM in the scientific field of the competition announced by UCTM.

**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>X</b>
B) Research is relevant. Results from other authors are known for each of the topics and / or applications studied.	5 points	

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.
<p>The urgency of the problems of the organization and management of production is growing as a result of increasing market competition and the demand for ways to improve company performance. Interest in their theoretical elucidation is growing, but a number of their aspects still remain insufficiently studied and elucidated.</p> <p>In this regard, it can be concluded that the problems studied by the candidate and the objectives of the research are relevant and significant for Bulgarian and world science and practice. They fill some gaps in the theory and methodology in the field of organization and management of production and mainly in the field of organization and management of the enterprise and technical and economic studies related to the renewal and modernization of production. As a result of research they draw important conclusions and summaries.</p>

#### 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.

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

#### 1.6. Objectives of the research:

A) Realistic and of scientific and / or applied interest	8 points	X
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.

During the long period of his creative research, Assoc. Prof. Karev has researched a number of scientific problems and has conducted numerous empirical studies, each of which had its own specific goals.

However, it can be summarized that the main objectives of his research are aimed at in-depth research, creative thinking and further development of theory and methodology in the field of organization and management of production and mainly in the field of organization and management of enterprise and feasibility studies, related to the renewal and modernization of production.

These goals are relevant and significant for both our and world science and practice.

#### 1.7. Methods of research:

A) Adequate to research and set scientific objectives and /or applications	8 points	X
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 candidate has used a variety of research approaches and methods to solve the tasks and achieve the purpose of their research. He applied the historical, systematic, structural and comparative approaches, which allowed him to draw important conclusions and summaries, on the basis of which specific proposals were later made. The methods of analysis and synthesis, the comparative method, the questionnaires, mathematical methods, etc. were used for their realization.

These research approaches and methods have been successfully selected and skillfully used, which has contributed to the successful implementation of research and to achieving their goals.

**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.

The scientific works presented by Assoc. Prof. Karev reflect his long-term creative research and research. His overall contribution is expressed in in-depth research, creative thinking and further development of theory and methodology in the field of organization and management of production. In particular, the scientific works of the candidate contain scientific, scientific-applied, applied and educational-methodical contributions, relevant to science and practice. They are mainly in the field of organization and management of the enterprise and technical and economic studies related to the renovation. and modernization of production.

The scientific contributions are related to the derivation of important theoretical summaries relevant to future research in the relevant scientific fields.

The scientific-applied contributions are mainly methodological developments and results and conclusions from performed researches of importance for science and practice.

The applied contributions are related to substantiated proposals for improving the activity of specific industries and companies.

There are also educational and methodological contributions leading to improving the education of students from UCTM.

I must note that the analysis of the scientific works of the candidate gives me reason to note that in his research there is consistency, logic, continuity, scientific correctness and constructiveness. His lasting interest in the study of the problems of the organization and management of production is evident. He has demonstrated the ability and skills to systematize and critically comprehend the theories and methodological approaches in the studied scientific fields, to clearly define the problems and formulate guidelines for their solution. He has an affinity and ability to closely link research with its practical applicability. He successfully uses basic modern research approaches, has shown the ability and skills to systematize and critically interpret classical and new theories, to formulate and defend their theses.

**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.

#### 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.

#### 1.11. Critical notes:

A) Lack of critical notes	8 points	
B) Critical notes of a technical nature	7 points	X
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.

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### 1.12. Conclusion

A) The evaluation of the candidate's activity is <b>POSITIVE</b>	This evaluation is assigned to a total number of at least 65 points	X 95 p.
B) The evaluation of the candidate's activity is <b>NEGATIVE</b>	This evaluation is assigned to a total number below 65 points	
		one of the answers given is marked with the sign "X"

<p>To be filled in if requested by the reviewer</p> <p>Assoc. Prof. Karev is an established lecturer at UCTM with the teaching and pedagogical activity, which fully meets the requirements for obtaining the academic position of "professor". He is a built researcher, enjoying the respect of the scientific community. His scientific works contain scientific, scientific-applied and applied and educational-methodical contributions that are important for science and practice.</p> <p>From the information provided to me, I estimate that the works of Assoc. Prof. Karev have been cited 26 times, which is evidence that they have received public recognition and are used by the scientific community.</p> <p>Assoc. Prof. Karev fully satisfies the requirements of ZRASRB for obtaining the required academic position, as well as the criteria according to the Regulations for acquiring scientific degrees and holding academic positions in UCTM.</p> <p>This gives me reason to believe with full conviction that Assoc. Prof. Dr. Nikolay Karev to take the academic position of "professor" in the professional field 3.7 Administration and management (Organization and management of production (by industry)).</p>
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28.06.2020	Prof. DSc. Mladen Stefanov Velez	
date	The review was written by:	signature