

**REPORT**

to occupy the academic position:

"Professor"	
"Associated Professor"	<b>X</b>
	one of the academic positions indicated shall be marked with the sign "X"

**Candidates to occupy the position:**

1	Assistant Professor	PhD	Dimka	Ivanova	Ivanova	UCTM, Sofia, Bulgaria
№	academic position	scientific degree	name	middle name	last name	workplace
2						
№	academic position	scientific degree	name	middle name	last name	workplace
3						
№	academic position	scientific degree	name	middle name	last name	workplace

**Scientific area:**

5	Technical Sciences
code	name

**Professional area:**

5.10.	Chemical Technologies
code	name

**Scientific specialty:**

Chemical resistance of materials and corrosion protection
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**The competition has been announced:**

61	02.08.2019	Inorganic and Electrochemical Production	Chemical Technologies
in SG issue	date	for the needs of the Department	Faculty

**The report was written by:**

Professor	Doctor of Chemical Sciences	Vladimir	Bojinov	Bojinov	UCTM Sofia, Bulgaria
academic position	scientific degree	name	middle name	last name	workplace

### 1. Report for the candidate:

Assistant Professor	PhD	Dimka	Ivanova	Ivanova
academic position	scientific degree	name	middle name	last name

#### 1.1. 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.

Indicator B4, Habilitation work in the form of no less than 10 publications in journals, summarized and indexed in world databases (Web of Science and Scopus) is completed with 102.85 points, with a minimum of 100 points required.

Indicators D7 (publications in journals referenced in Web of Science and Scopus) and D8 (publications in non-refereed journals) were calculated to 176.65 (9 publications) and 32.52 (6 publications), respectively, or a total of 209.17 points, with a minimum requirement of 200 points.

Indicators D12 (29 citations), D13 (3 citations) and D14 (10 citations) collected a total of 319 points, far exceeding the required minimum of 50 points.

According to indicators E, the candidate has two participations in national projects (20 points) and is also a co-author of one university textbook (20 points).

#### 1.2. 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)	8 points	
B) Research is relevant. Results from other authors are known for each of the topics and / or applications studied.	6 points	<b>X</b>
C) Most of the research is relevant, but also some results are presented that have no scientific and / or applied value	4 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 research in the applicant's papers submitted for the post of Associated Professor is entirely in the field of the scientific area in which the competition is announced and relates mainly to the phosphating of mild steels and amorphous phosphating of mild steel, zinc and aluminium surfaces, corrosion studies, on the various materials, and on the preparation of intermetallic nanosized particles by chemical reduction with NaBH <sub>4</sub> in aqueous chloride salts at room temperature. Good scientific results have also been obtained from studies on the optimization of synthesis methods and factors affecting electrochemical stability in the production of MnO <sub>2</sub> spinel, in the preparation of doped lithium cobaltates and in the electrochemical synthesis of Zr, Ce and Y oxides from alcoholic solutions. Undoubtedly, the research is up-to-date and the results obtained can be related to enriching the scientific field with new knowledge.

### 1.3. Objectives of the research:

A) Realistic and of scientific and / or applied interest	8 points	<b>X</b>
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
The objectives set according to the nature of the studies carried out are realistic and the results achieved on them are of considerable scientific and applied interest.

### 1.4. 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	<b>X</b>
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 applicant's research contributions represent a significant scientific and, above all, applied interest, greatly enrich the scientific achievements with new knowledge.

#### 1.5. 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	
B) The candidate has at least an equal participation in most of the submitted papers	7 points	X
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.
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#### 1.6 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.

#### 1.7. Critical notes:

A) Lack of critical notes	8 points	
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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	<b>X</b>
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.
Efforts must be made to publish the results obtained in reputable international scientific journals. Of the 25 papers submitted for participation in the competition, 15 are in Bulgarian journals and 6 others are in conferences. Five of the articles in Bulgarian Chemical Communications are from conference participations (a total of 11 entries), and four articles in the same journal have been published in one issue, which I consider inadmissible.

### 1.8. Conclusion

A) The evaluation of the candidate's activity is <b>POSITIVE</b>	This evaluation is assigned to a total number of at least 50 points	<b>X (68 points)</b>
B) The evaluation of the candidate's activity is <b>NEGATIVE</b>	This evaluation is assigned to a total number below 50 points	
		one of the answers given is marked with the sign "X"

To be filled in if requested by the member of the scientific jury

### 2. Report for the candidate:

academic position	scientific degree	name	middle name	last name

The structure of the report under the previous point 1 shall be respected.

### 3. Report for the candidate:

academic position	scientific degree	name	middle name	last name

The structure of the report under the previous point 1 shall be respected.

### Candidate ranking (in case of more than one candidate who has received a positive evaluation to occupy the academic position):

Based on the assigned points, the candidates who have received a **positive** evaluation are ranked as follows:

1						
place	academic position	scientific degree	name	middle name	last name	points
2						
place	academic position	scientific degree	name	middle name	last name	points
3						
place	academic position	scientific degree	name	middle name	last name	points

14.11.2019	The report was written by:	
date		signature