

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	Assoc. Prof	Dr	Andriana	Risk	Surleva	UCTM-Sofia
№	academic position	scientific degree	name	middle name	last name	workplace

Scientific area:

4.2	Chemical Sciences
code	name

Professional area:

4.2	Chemical Sciences
code	name

Scientific specialty:

Analytical Chemistry

The competition has been announced:

64	5/8/2025	Analytical Chemistry	Faculty of Chemistry
in SG issue	date	for the needs of the Department	Faculty

The review was written by:

Prof.	DSc	Vasil	Dragomirov	Simeonov	FCF-Sofia University
academic position	scientific degree	name	middle name	last name	workplace

1. Review for the candidate:

Assoc. Prof	Dr	Andriana	Risk	Surleva	UCTM-Sofia
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.

**Excellently completed documents according to the Manual for application of ADASRB
No missing documents are found.**

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.

The documents presented indicate that the minimal requirements are not only fulfilled but significantly exceeded. 35 publications are presented for assessment being cited 138 times, which is a very good indicator for the activity of the candidate with respect to her scientific work.

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	X
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.

In some of the works are presented original results, published for the first time by the candidate related to specific assessment of analytical approaches in studying the acceptability of different nutrition elements in soil samples.

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 review of the publication for the section about referenced literature sources is clear that Dr. Surleva knows well the achievements of other authors in the region of interest and cites them correctly and precisely.

1.5. Type of research:

A) Theoretical	4 points	
B) Applied	4 points	X
C) Theoretical with application elements	4 points	
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.

Dr. Surleva is an experienced researcher and in her works she tried to connect experimental analytical work with respective results with theoretical elements, for instance correlation analysis, modeling , comparison of experimental data with calculation according to a model.

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.

The results obtained in the studies for participation in the procedure are very realistic, since they present not only specific analytical results but lead to optimization of the techniques used, make it possible to interpret the results from environmental point of view, help for solving of technological problems as well as some theoretical issues like acceptability of nutrition elements in soils.

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 most suitable analytical methods to carry out the measurements performed by the candidate, are used.

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.

- **Creation of an algorithm for optimization of a technology for using tail materials from industrial wastes and obtaining geopolymer materials. Modification and verification of analytical methods for specific application to the precursors used and the geopolymers in order to ensure comparison of the results;**
- **For the first time an assessment of the mobility and bioavailability of heavy metals and other potentially toxic components in geopolymer materials;**
- **An original effort for correlation comparison of two methods (acetolactate and Mehlich 1) for determination of available in plants nutrition elements (potassium and phosphorus) is made where good correlation of the results of the experiments and those obtained by the model offered is observed.**

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.

For a significant number of publication presented in this procedure, the candidate is first or second author, which is a reason to conclude that she has a significant contribution for the projects realization.

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
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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.

Dr Surleva has well defined teaching activity through the years as well as published textbooks even in foreign language.

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.

I have no critical notes to the scientific and teaching activity of Dr. Surleva.

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
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

Dr. Surleva is co-author of big number of significant scientific works, solid selection of teaching courses, responsible administrative position and still more of the required indicators (participation in scientific meetings, PhD students with defended dissertations under her tutorship, textbooks, citations etc).

Keeping in mind all stated above, I declare that I shall vote “yes” to the option Assoc. Prof. Dr. Andriana Risk Surleva to occupy the academic position “Professor” as required.

25/11/2025	The review was written by: Prof. Dr.Vasil Simeonov, Dsc.	
date		signature