Appendix 12d

REPORT

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	Chief. Assistant Professor	PhD	Stoyko	Aleksandrov	Petrin	UCTM
№	academic position	scientific degree	name	middle name	last name	workplace

Scientific area:

5	Technical Sciences
code	name

Professional area:

5.11	Biotechnologies
code	name

Scientific specialty:

Technology of bioactive substances

The competition has been announced:

71	07.08.2026	Biotechnology	Chemical and Systems Engineering
in SG issue	date	for the needs of the Department	Faculty

The report was written by:

Professor	PhD	Velizar	Kostadinov	Gochev	“Paisii Hilendraski” University of Plovdov
academic position	scientific degree	name	middle name	last name	workplace

1. Report for the candidate:

Assoc. Professor	PhD	Stoyko	Aleksandrov	Petrin
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	X
B) The candidate doesn't meet the minimum requirements	0 points	
		one of the answers given is marked with the sign "X"

The candidate meets the formal requirements of the Academic Staff Development Act (ASDA), meeting and exceeding the minimum national scientometric criteria. Indicator from Group A. Dissertation for the award of the educational and scientific degree "Doctor" – 50 points. The candidate has enclosed a copy of the PhD diploma and the dissertation abstract on the topic "Kinetic regularities of the enzymatic hydrolysis of lignocellulosic materials". Indicators from Group B. Habilitation thesis in the form of scientific publications (not fewer than 10) in journals indexed and abstracted in internationally recognised scientific databases. The candidate has submitted 10 scientific publications in refereed and indexed journals, which under this indicator amount to 104.81 points. Indicator from Group G, Indicator 7. Scientific publication (article or report), published in journals indexed and abstracted in internationally recognised scientific databases. The candidate has submitted 17 scientific publications in refereed and indexed journals, amounting to 165.81 points. Indicator 8. Scientific publication (article or report) published in non-refereed journals with scientific peer review or in edited collective volumes. The candidate has submitted 9 scientific publications, amounting to 50.33 points. Under the indicators in Group G, Chief Assistant Professor S. Petrin has a total of 216.14 points. Indicators from Group D. The candidate has a total of 57 citations of their scientific publications and a total of 173 points. The total number of citations of the scientific output submitted for the competition exceeds the required minimum of 50 points. Indicators from Group E. Chief Assistant Professor S. Petrin has submitted a published teaching aid – laboratory worksheets, assessed at 40 points. The candidate meets all formal requirements of the ASDA and the Regulations for the Development of Academic Staff at UCTM and exceeds the minimum scientometric requirements.

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	X
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 candidate's publications focus mainly on two approaches to the pretreatment of plant biomass with subsequent enzymatic conversion to obtain various commercially important products, such as bioethanol and biocomposites. Similar studies have long been the subject of intensive research by various authors, both nationally and internationally, and are particularly important from an environmental perspective. The publications of the candidate relating to biologically active peptides and their properties exhibit a relatively high degree of novelty and originality.

1.3. 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
Two main research areas can be distinguished in the candidate's research profile: (1) chemical and enzymatic processing of plant biomass to obtain economically important products and (2) biologically active peptides and their properties. The objectives set by Chief Assistant Professor S. Petrin in both research areas may be described as realistic, with a clear focus on the expected results and potential applications. The objectives and results achieved in the first two areas are classified as applied, since they are strictly technological in nature and offer a high degree of practical applicability, which is particularly positive in the context of the competition in field of higher education 5. Engineering Sciences. The objectives and results achieved in the second area are more clearly scientific in nature, but with an applied perspective.

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	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 materials submitted for participation in the competition allow the candidate's contributions to be identified in several main areas: ✓ Approaches to the pretreatment and bioconversion of plant biomass with a view to producing raw materials for bioethanol production from second-generation feedstocks. ✓ Valorisation of lignocellulosic materials to obtain commercially important products, such as microcrystalline cellulose, hydrogels and films (MDF, HDF) with similar technological properties. ✓ Production and characterisation of biologically active peptides. The contributions in the first two areas are considered applied, building on existing knowledge, while those in the third area are considered scientific and original.

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	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"

Chief Assistant Professor S. Petrin is the leading author (first, last or corresponding author) of more than 30% of the submitted publications, and his equal contribution to all publications is unquestionable.

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	
B) The candidate has sufficient pedagogical activity at the university. The textbooks issued satisfy the requirements of the Regulations.	6 points	X
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 candidate's teaching workload is fully adequate. However, the submitted materials provide no evidence that Chief Assistant Professor Dr Petrin has supervised students' BSc or MSc Theses or research projects. Nor do they include positive performance appraisals or other evidence that would justify assessing his work as "impeccable."

1.7. 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.

1.8. Conclusion

A) The evaluation of the candidate's activity is **POSITIVE**	This evaluation is assigned to a total number of at least 50 points	72 points X
B) The evaluation of the candidate's activity is **NEGATIVE**	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
My overall assessment of the submission of Chief Assistant Professor Stoyko Petrin in the competition for the academic position of "Associate Professor", based on the analysis of the publications, citations and teaching aids submitted, is positive. All requirements of the low and the internal regulations of UCTM have been fulfilled. The presented publications clearly formulate the research objectives, the experimental designs implemented and the analytical approaches applied in order to achieve the research goals, and the processing and interpretation of the results obtained are correct. Most of the results obtained have a strongly applied nature and concern the bioconversion of lignocellulosic materials. This allows me to recommend that, in the future, the candidate should focus his research interests more explicitly on biotechnology. In conclusion, I recommend that the academic jury award Chief Assistant Professor Stoyko Petrin the academic position of "Associate Professor" in field of higher education 5. Engineering Sciences, professional field 5.11 Biotechnology, scientific specialty Technology of Biologically Active Substances.

11.11.2026	The report was written by:	
date		signature