



ЮГОЗАПАДЕН УНИВЕРСИТЕТ „НЕОФИТ РИЛСКИ“ БЛАГОЕВГРАД

ASSESSMENT

from Prof. Dr. Eng. Dancho Lyubenov Danalev, University of Chemical Technology and Metallurgy, Sofia, Biotechnology department
member of scientific jury in the contest for academic position
“ASSOCIATED PROFESSOR”, announced by SWU „Neofit Rilski” in
the state newspaper 57/2023

Candidate № 1.

The only candidate in the announced contests for the academic position "Associated Professor" announced by SWU „Neofit Rilski” in the state newspaper 57/2023 is Chief Assistant Professor Dr. Radoslav Lyudmilov Chayrov. He presents the following documents related to the requirements of the Regulations for application of the act for development of the academic staff of the Republic of Bulgaria:

I. Summarized data for scientific achievements and activity of the candidate

Table with summarized scientific data of the candidate Chief Assistant Professor Dr. Radoslav Lyudmilov Chayrov

A group of metrics	Metric	Points presented/ minimal
A	1. Ph.D. thesis for scientific and educational degree "Ph.D." with title „Synthesis and analysis by means of HPLC of analogs of antiviral medical drugs“	50/50
B	4. Habilitation thesis – scientific publications in journals referred in international scientific database (WoS and Scopus)	107/100

A group of metrics	Metric	Points presented/ minimal
	The candidate presents 6 scientific publications to replace the habilitation thesis as follow: 1 with Q1 (total 25 points), 3 with Q2 (total 60 points), 1 with Q4 (total 12 points) and 1 in the journal with Q3 with SJR (total 10 points). All this metrics give to the candidate 107 total points from the 100 minimal points necessary in this metrics.	
Г	7. Scientific publications in journals referred in international scientific database (WoS and Scopus), out of those for replacing the habilitation thesis	207/200
		132 points
	The candidate presents for Г.7. scientific publications, as follow: 3 with Q1 (total 75 points), 1 with Q2 (total 20 points), 1 with Q3 (total 15 points), 1 with Q4 (total 12 points) and 1 in the journal with Q3 with SJR (total 10 points). All this metrics give to the candidate 132 total points.	
		75 points
	9. Invention, patent or utility model with a security document issued under the proper order	
	In total in this metrics the candidate Chief Assistant Professor Dr. Radoslav Lyudmilov Chayrov is presented materials for a total 207 from the 200 minimal points necessary in this metrics.	
Д	11. Citations in journals, monography, books and patents referred in international scientific database (WoS and Scopus)	60/50
	The candidate Chief Assistant Professor Dr. Radoslav Lyudmilov Chayrov is presented 30 citations in the journals referred in international scientific database (WoS and Scopus)	60 точки

A group of metrics	Metric	Points presented/ minimal
E	15. Participation in the international scientific or educational project	20
	The candidate Chief Assistant Professor Dr. Radoslav Lyudmilov Chayrov is presented participation in one international project. It gives to the candidate total 20 points in the criterion E.	20 points

The presented data for participation in the current contest do not repeat those for the acquisition of the candidate's "Ph.D." degree. They show that Chief Assistant Professor Dr. Radoslav Chairov, meets and even has more than the requested minimum national criteria for holding the academic position "Associated Professort" and those of the Regulations for the Acquisition of Academic Positions and Scientific Degrees of the SWU "Neofit Rilski". To date, Dr. Chairov has **24** scientific publications published in various scientific journals, participated in **23** national and international scientific forums and is part of the teams of 3 active patents.

II. Evaluation of the scientific and practical results and contributions of the scientific production presented for participation in the contest

The scientific results and contributions of the candidate could be summarized in the following areas:

- Synthesis, characterization, study of the hydrolytic stability, structural analysis and investigation of biological activity of new undescribed in the scientific literature amides and esters of known in the practice medical drugs with antiviral, i.e. anti-HIV, anti-herpes and anti-influenza activity. This has led to the accumulation essential data for the practice related to the structure-biological activity relationship of the newly obtained molecules. The achieved results are the subject of one of the presented patents. The latter shows the practical orientation of the developments in the field of medicinal chemistry and medicine;

- Synthesis, characterization, study of the hydrolytic stability, structural analysis and investigation of biological activity of new undescribed in the scientific literature molecules with potential activity in Alzheimer's disease. It is clearly concluded from the obtained results that one of the studied compounds, memantadine, has antibacterial activity and potential for the treatment of meningococcal infection. The conclusions have both scientific and applied contributions and is protected by a presented patent.

The presented studies have also led to the creation of a wide database, which has enriched the already existing world scientific literature, regarding the studied biologically active substances as potential new drug molecules.

Taking into account the fact that Chief Assistant Professor Dr. Radoslav Chairov applied for an academic position at a university, it should be noted that he presents evidence for developed **13** curricula for fundamental education and specialized courses taught in various specialties, which is an undoubted certificate of his excellent teaching activity and integration in the team of the Department of Chemistry of the SWU "Neofit Rilski". In addition, Dr. Chairov was the supervisor of **13** graduates during his academic development. All this shows that he has the ability to teach and guide students in both scientific and teaching activities in the professional direction claimed by his contest.

III. Critical remarks and recommendations

I have no critical remarks and recommendations to the candidate.

IV. Conclusions

The academic development of Chief Assistant Professor Dr. Radoslav Chairov logically follows his scientific and pedagogical development in the Department of Chemistry in the SWU "Neofit Rilski". Everything set out in this statement gives me reason to confidently express my positive assessment regarding the submitted materials for participation in a contest for the academic position of "associate professor" from Chief Assistant Professor Dr. Radoslav Chairov. I

believe that he fully covers the minimum national criteria for holding this academic position, as well as having additional contributions from a scientific and pedagogical point of view for holding the position. Taking into account all this, I am convinced to vote **positively** for the awarding of the academic position "Associated professor" in the Area of Higher Education 4. Natural Sciences, Mathematics and Informatics, Professional Direction 4.2. Chemical sciences (Bioorganic chemistry, chemistry of natural and physiologically active substances).

09.10.2023 г.

Member of the Scientific jury:

Prof. Dr. Eng. Dancho Danalev