

STATEMENT

by **Dr. Petko Stoev Petkov, professor at Sofia University “St. Kliment Ohridski ”, Sofia**

in a competition for an Associate professor in the field

4.2. Chemical sciences (Organic chemistry - Photochemistry)

at the Faculty of Chemistry and Pharmacy of Sofia University "St. Kliment Ohridski ",

announced in SG, no. 63 of 30.07.2021

In the competition for Associate professor in the field of 4.2. Chemical Sciences (Organic Chemistry - Photochemistry) at the Faculty of Chemistry and Pharmacy , Sofia University "St. Kliment Ohridski ", announced in the State Gazette, issue 63 from the date 30.07.2021, applied only one candidate, Dr. Stanislav Stefanov Stanimirov, currently head assistant in the Department of Organic Chemistry and Pharmacognosy at the Faculty of Chemistry and Pharmacy at Sofia University "St. Kliment Ohridski". Dr. Stanislav Stanimirov graduated as a Bachelor in Chemistry at the Faculty of Chemistry, Sofia University "St. Kliment Ohridski" in 2002. In the period 2003-07 he was a Ph.D. student at the Department of Organic Chemistry, Faculty of Chemistry, Sofia University "St. Kliment Ohridski" and in 2009 he successfully defended his Ph.D. thesis on: "Synthesis and photophysical properties of ternary β -dicarbonyl europium complexes with nitrogen-containing or poly (oxyethylene phosphate) ligands ”with scientific supervisor Prof. Ivan Kolev Petkov. Dr. Stanimirov worked as a chemist in the period 2007-2008, in 2008 he was appointed as an assistant and in 2009 he was elected chief assistant in the Department of Organic Chemistry and Pharmacognosy at the Faculty of Chemistry and Pharmacy at Sofia University.

Teaching activity:

During the twelve years of experience as a head assistant, Dr. Stanimirov participates in the teaching activities of the Department of Organic Chemistry and Pharmacognosy, Faculty of Chemistry and Pharmacy, Sofia University, giving seminars and experimental laboratory exercises in the following courses:

- Organic Chemistry I and II part – for students from Faculty of Chemistry and Pharmacy and from the Faculty of Biology.
- Seminars and exercises in Organic Photochemistry - for students from Faculty of Chemistry and Pharmacy and from the Faculty of Biology.

The following lecture courses have been assigned to Dr. Stanimirov:

- Organic Chemistry - specialty Agrobiotechnology (Faculty of Biology)
- Organic photochemistry - specialty Chemistry (Faculty of Chemistry and Pharmacy)

There is no information provided about diploma theses defended under the supervision of Dr. Stanimirov.

When comparing the total teaching load of Dr. Stanimirov with the average for the Department of Organic Chemistry and Pharmacognosy for the last two academic years (2019-2020 and 2020-2021) it can be seen that Dr. Stanimirov has a 40% lower total teaching load compared to the average in the department. At the same time, for this period the candidate has published two scientific publications. In this regard, it should be noted that the candidate should be more involved in the teaching activities of the Department of Organic Chemistry and Pharmacognosy, Faculty of Chemistry and Pharmacy.

Scientific activity:

The total number of scientific articles, published by of Dr. Stanislav Stanimirov is 19. According to the information from the candidate, 6 out of 19 articles have been published in scientific journals in quartile Q1, 5-Q2, 6-Q3 1-Q4 and 1 article in a journal without quartile. A quick check in the Scopus database (from where the candidate took the data) shows, that as of the date of submission of the documents for application in the competition, the distribution of the candidate's articles by quartiles is different: 6 papers are published in scientific journals with quartile Q1, 5 -Q2, 3-Q3, 4-Q4 and 1 article in a scientific journal without quartiles. Three of the publications were used from the candidate to obtain the Ph.D. degree in chemistry. In this competition the candidate apply with 16 scientific papers that were not included in his Ph.D. thesis. The 16 publications submitted for the competition meet the minimum national criteria of group D, but due to the discrepancy in the data on the value of quartiles, the publications do not meet the additional criteria of the Faculty of Chemistry and Pharmacy of Sofia University for the academic position of "Associate Professor". A detailed reference is attached in the table below:

	https://jcr.clarivate.com/jcr/ Home?Init=Yes&SrcApp=IC2LS	https://www.scimagojr.com	points
	JCR	SJR	
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy			
2007	Q2	Q2	20
2009	Q2	Q2	20
2010	Q2	Q2	20
2021	Q1	NA	25
Central European Journal of Chemistry			
2008	Q3	Q3	15
Soft Matter			
2018	Q1	Q1	25
Journal of Physics: Conference Series			
2012	NA	Q4(avail from 2020)	12
2017	NA	Q4(avail from 2020)	12
Journal of Physical Chemistry A			
2015	Q2	Q1	
2013	Q2	Q1	25
Chemistry (Bulgaria)			25
2013	NA	Q3	15
Journal of Fluorescence			
2012	Q3	Q3	15
2009	Q2	Q2	20
Coloration Technology			
2011	Q1	Q2	25
Proceedings of SPIE - The International Society for Optical Engineering			
2009	NA	NA	10
Dyes and Pigments,			
2018	Q1	Q1	25
			Total Min.necessary Points
	Group B		100
	Group Г		209
			Points
			100
			220

For this reason, the applicant was required to submit at least one more scientific article, published in a journal with quartiles Q1-Q4 in order to formally meet the recommended criteria in Group D of the Faculty of Chemistry and Pharmacy - Sofia University. As a result, the applicant submitted another scientific article, published in the journal Bulgarian Chemical Communications, which falls in Q4 in the Scopus database. Thus, the candidate formally fulfills the recommended criteria of Faculty of Chemistry and Pharmacy - Sofia University.

Another inaccuracy noticed in the candidate's documents is related to the number of citations. At the time of submission of the documents, 100 citations (Scopus) were noticed, excluding the auto-citations of the author and all his co-authors but not 123, as noted in the applicant's documents. This also requires a correction of the candidate's h-factor from 7 to 6. In general, it is necessary to correct the points on indicators D and Ж to 200 and 100 points, respectively. This adjustment of the points on indicators D and Ж does not affect the eligibility of the applicant according to the minimum national criteria and the recommended criteria of the Faculty of Chemistry and Pharmacy - Sofia University.

It should be also noted that the habilitation thesis of the applicant "INVESTIGATION OF THE INFLUENCE OF LEWIS LIGAND ON THE QUANTUM YIELD OF TERNARIAN β -DICARBONYL EUROPEAN COMPLEXES WITH THE HELP OF ULTRAFAST TRANSIENT ABSORPTION SPECTROSCOPY" is based only on one of the articles of the candidate from 2008, while the candidate provided a list of 5 articles for the habilitation thesis. Why are the other 4 publications not included in the habilitation thesis?

Author's reference for the contributions of the scientific works of Chief Assistant Dr. Stanislav Stanimirov are divided into three groups: 1) Use of electron spectroscopy to determine the photophysical and structural properties of europium complexes of β -dicarbonyl compounds (7 articles), 2) Spectral characterization of electroluminescent organoiridium complexes used as emitting devices (3 articles), 3) Use of electron spectroscopy to determine thermodynamic and photochemical parameters of systems of organic molecules used as sensors or for optical recording of information (6 articles).

Conclusion

After getting acquainted with the materials presented in the competition, analysis of their significance and despite the inaccuracies, I give a positive assessment and recommend to the Scientific Jury to prepare a report-proposal to the Faculty Council of the Faculty of Chemistry and Pharmacy of Sofia University "St. Kliment Ohridski ", for the election of Dr. Stanislav Stanimirov

to the academic position of“ Associate Professor ”at Sofia University“ St. Kliment Ohridski ”in the field of 4.2. Chemical sciences (Organic chemistry - Photochemistry).

02.11.2021 г.

Signature :

Sofia

(prof. Petko Petkov)