STATEMENT

by Assoc. Prof. Dr. Yulian Dimitrov Zagranyarski,

Sofia University “St. Kliment Ohridski”, Department of Organic Chemistry and Pharmacognosy about the materials submitted for the participation in a competition for the academic position

Associate Professor in the Department of Organic Chemistry and Pharmacognosy of the Faculty of Chemistry and Pharmacy of Sofia University ”St. Kliment Ohridski”

professional field 4.2. Chemical sciences in the scientific specialty **Organic Chemistry – Organic photochemistry**

The competition for an associate professor in professional field 4.2. Chemical Sciences (Organic Chemistry **–** Organic photochemistry) has been announced in the State gazette issue63 of 30.07.2021 for the needs of the Department of Organic Chemistry and Pharmacognosy at Sofia University, Faculty of Chemistry and Pharmacy. The only candidate in it is Ch. Assistant Professor Dr. Stanislav Stefanov Stanimirov. The presented documents are in accordance with the Regulations for the Implementation of the Act for the Development of the Academic Staff in the Republic of Bulgaria (ADASRB), Regulations for the Development of the Academic Staff of the Sofia University, and meet the requirements of the Faculty of Chemistry and Pharmacy for the academic position "Associate Professor".

I. Career development of the candidate:

Ch. Assistant Professor Dr. Stanislav Stefanov Stanimirov completed his higher education as a bachelor in 2002 at the Faculty of Chemistry of Sofia University "St. Cl. Ohridski ”. In 2003 he entered the Department of Organic Chemistry at the Faculty of Chemistry and Pharmacy as a doctoral student. Since 2009 he has been a doctor of 4.2. Chemical Sciences (Organic Photochemistry), and in 2009 until now he has held the position of Chief Assistant. The candidate has spent in the period from 2015 to 2020 three postdoctoral specializations at Boston College Boston USA, Swansea University Swansea UK, Max Plank Institute for Polymer Research, Mainz, Germany.

II. Research activity:

Ch. Assistant Professor Dr. Stanislav Stanimirov is a co-author of 19 scientific papers. The candidate has submitted 16 publications on the issues of the competition, published in the period 2007-2021, which are not included in his doctoral dissertation and which I accept for review. All 16 publications are in journals with impact factor (IF), divided into categories as follows: in journals with category Q1 - 6; with Q2 - 5, with Q3 - 4 and 1 publication without quartiles.

According to indicator B, 5 publications are indicated (of which 1 with Q1, 3 with Q2 and 1 with Q3), and according to indicator D - 11 publications (5 with Q1, 2 with Q2, 3 with Q3 and 1 without quartile).

According to indicators B, D, E and E, the candidate fulfills or exceeds the required number of points, according to the specific requirements of FHF-SU for holding the academic position of "associate professor".

The scientific works of the candidate are published in referenced and indexed international journals and correspond to the announced scientific field. Publications in journals with a high impact factor, such as Dyes and Pigments (IF 3.678), Soft Matter (IF 3.95), Journal of Physical Chemistry A (IF 2.93) and Journal of Fluorescence (IF 2.03), prove the high quality of the scientific production of Ch. Assistant Professor Dr. Stanislav Stanimirov. The scientific results are presented in a total of 10 oral presentations and poster presentations at national and international forums. At the time of submitting the documents for participation in the competition, 99 citations have been noticed (referenced and indexed in Scopus), the *h* factor is 7.

The scientific contributions in the publications submitted for participation in the competition are in the field of synthesis, photophysical and physicochemical characterization of various organic molecules, as well as their metal complexes. The main contributions can be summarized in the following scientific areas:

(1) Use of electron spectroscopy to determine the photophysical and structural properties of europium complexes of β-dicarbonyl compounds [1-7].

(2) Spectral characterization of electroluminescent organoiridium complexes used as emitters in electroluminescent devices [8-10].

(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 [11-16].

According to the recommended requirements of the Faculty of Chemistry and Pharmacy of Sofia University, Ch. Assistant Professor Dr. Stanislav Stanimirov presented for participation in the competition and a habilitation thesis on the topic: "INVESTIGATION OF THE INFLUENCE OF LEWIS LIGAND ON QUANTUM YIELD OF TERNARIAN β-DICARBONYL EUROPEAN EUROPE The presented habilitation thesis is written on 38 pages, including personal achievements on the use of electron spectroscopy to determine the photophysical and structural properties of europium complexes of β-dicarbonyl compounds. The research included in the habilitation work is part of the main thematic area that the candidate has developed in recent years.

The research of Dr. Stanislav Stanimirov has an indisputable contribution in various fields of organic photochemistry and electron spectroscopy, impressing with originality and ingenuity. The publication of these results in renowned journals and their international response (almost 100 citations) unequivocally shows their importance.

III. Teaching activity:

Ch. Assistant Professor Dr. Stanislav Stanimirov started in 2008 as an assistant and in 2009 as a senior assistant at the Department of Organic Chemistry. He takes the lecture courses in Organic Chemistry - specialty Agrobiotechnology, regular training, compulsory; Organic photochemistry - specialty chemistry, regular training, compulsory; Organic photochemistry - specialty chemistry, part-time study, compulsory. Chief Assistant Dr. Stanislav Stanimirov has led exercises and seminars in Organic Chemistry I and II (bachelor's degree), all chemical specialties; Seminars and exercises in Organic Photochemistry - all chemical specialties, full-time and part-time education.

IV. Conclusion:

Based on the above analysis, as well as personal impressions, I give my positive assessment of the teaching and research activities of Ch. Assistant Professor Dr. Stanislav Stanimirov. The documents and the materials submitted by the candidate in the competition Dr. Stanislav Stanimirov fully comply with the Act on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for its implementation and

the corresponding Regulations of Sofia University “St. Kliment Ohridski” and the topic of the announced competition for "Associate Professor".

I confidently recommend to the esteemed Scientific Jury and to the members of the Scientific Faculty Council of the Faculty of Chemistry and Pharmacy at Sofia University “St. Kliment Ohridski” to vote for the award of the academic position “Associate Professor” to Ch. Assistant Professor Dr. Stanislav Stefanov Stanimirov in the professional field 4.2. Chemical sciences (Organic chemistry – Organic photochemistry).

02.11.2021 г. Signature: 

/Assoc. Prof. Dr. Yulian Zagranyarski/