

REVIEWER STATEMENT

by Assoc. Prof. Dr. Diana Cheshmedzhieva

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

On the materials submitted for the open procedure for the academic position "Associate Professor" in professional field 4.2 Chemical Sciences (Organic Photochemistry)

For the needs of Faculty of Chemistry and Pharmacy, Sofia University

Announced in Bulgarian State Gazette No. 63 from 30.07.2021

Head Assistant Professor Dr. Stanislav Stanimirov is the only candidate for the academic position "Associate Professor", announced in the Bulgarian State Gazette 63/30.07.2021. For the competition the candidate has provided a full set of documents in accordance to the Law for the Development of the Academic Staff in the Republic of Bulgaria, relevant regulations for its implementation (including those of Faculty of Chemistry and Pharmacy and University of Sofia).

Dr. Stanislav Stanimirov is a co-author of a total of 20 scientific papers (19 of them in peer-reviewed journals with impact factor, one in a journal without impact factor). The candidate participates in the competition with 17 scientific papers.

Stanislav Stefanov Stanimirov graduated with a bachelor's degree in 2002 from the Faculty of Chemistry, Sofia University. In 2009 he defended a PhD thesis under the supervision of Prof. Ivan Petkov, which meets the requirements on **Indicator A** from the minimum national requirements for the academic position "Associate Professor". After graduating from university, Stanislav Stanimirov continued his research and teaching activities at the Department of Organic Chemistry. In 2007 Stanislav Stanimirov was appointed to the position of chemist, since 2008 he has continued his career development as an assistant, and since 2009 he has held the position of Head assistant professor at the Department of Organic Chemistry and Pharmacognosy, where he still works.

To meet the **Indicator C** criterion the candidate has presented 5 publications (one in quartile Q1, three in quartile Q2 and one in quartile Q3). According to the recommended criteria of Faculty of Chemistry and Pharmacy, the candidate also presented a habilitation thesis, based on one of the presented articles. In 4 of the publications Dr. Stanislav Stefanov Stanimirov is the first author.

To meet the **Indicator D** requirements, 12 publications were presented by the candidate (5 in quartile Q1, 1 in quartile Q2, 4 in quartile Q3, 1 in quartile Q4 and one article with SJR without IF). One of the articles in J. of Fluorescence is referred to as quartile Q2, but for 2012, the journal falls into quartile Q3. In total the candidate has 227 points, which satisfies not only the minimum requirements under the Law for the Development of the Academic Staff in the Republic of Bulgaria, but also the recommended requirements of the Faculty of Chemistry and Pharmacy.

Indicator E was fulfilled and exceeds the required number of points (198 points) – 99 citations with excluded self-citations of all authors according to Scopus – November, 2021.

Indicator G was fulfilled with 110 points.

Dr. Stanislav Stanimirov is a co-author of a total of 19 scientific papers (according to a reference provided by the candidate) with a h-index of 7.

The candidate has participated in a number of research projects funded by various institutions. Dr. Stanimirov was the Coordinator of the research team of the Partner organization of a project under the Operational Program "Innovation and Competitiveness". The candidate conducted 7 international short-term specializations in Germany, UK and USA for the period 2007–2020. Dr. Stanimirov has participated in a number of national and international conferences.

Dr. Stanimirov's research interests are in the field of synthesis, photophysical and physicochemical characterization of organic compounds and their metal complexes, which are used as emitters in electroluminescent devices, sensors or as compounds for optical recording of information. Methods used to study the photophysical and thermodynamic parameters of the test compounds include UV-VIS absorption and emission spectroscopy, as well as time resolution techniques such as femtosecond transient absorption and fluorescence lifetime measurements. The main contributions of the candidate may be summarized in the following scientific areas:

1. Application of electron spectroscopy to determine the photophysical and structural properties of europium complexes of β -dicarbonyl compounds [articles number 1-7 of the attached reference].
2. Spectral characterization of electroluminescent organoiridium complexes used as emitters in electroluminescent devices [8-10].
3. Application of UV spectroscopy to determine thermodynamic and photochemical parameters of systems of organic molecules used as sensors or for optical recording of information [11-16].

Dr. Stanislav Stanimirov actively participates in the teaching activities of the Department of Organic Chemistry and Pharmacognosy at Faculty of Chemistry and Pharmacy. He is a lecturer in Organic Chemistry for students of Faculty of Biology, Agrobiotechnology, and Organic Photochemistry for Chemistry students. Dr. Stanimirov participates in the teaching activities of the faculty as a supervisor of practical classes - seminars and exercises in Organic Chemistry part I and II and Organic Photochemistry.

Conclusion

The documents and materials presented for the academic position "Associate Professor" are in accordance with the Law for development of the academic staff in Republic of Bulgaria, the Rules for its application as well as with the recommended criteria of the Faculty of Chemistry and Pharmacy, University of Sofia. The candidate covers all the criteria for the professional area. The presented research papers are original scientific contributions.

Based on the above-mentioned, I recommend Head Assistant Professor Dr. Stanislav Stefanov Stanimirov to be appointed to the academic position of "Associate Professor" at Faculty of Chemistry and Pharmacy, University of Sofia in the professional field 4.2 Chemical Sciences (Organic Photochemistry).

4. 11. 2020 г.

Reviewer:.....
Assoc. Prof. Dr. Diana Cheshmedzhieva