

OPINION

provided by Dr. Vladimir Dimchev Dimitrov, professor at IOCCP-BAS

on the materials submitted for participation in the competition
to hold the academic position of 'associate professor'
at the Institute of Organic Chemistry with the Center for Phytochemistry (IOCCP), BAS
by field of higher education Natural sciences, mathematics and informatics professional
direction "Chemical sciences" - 4.2, scientific specialty "Organic chemistry"

In the competition for 'docent', announced in the State Gazette, no. 37 of 17.05.2022 and on the website of IOCCP, BAS, as a candidate participates Assistant Professor Yavor Nikolaev Mitrev, PhD, from the Center of NMR Spectroscopy at IOCCP-BAS.

1. General presentation of the procedure and the candidate

The candidate, Dr. Yavor Mitrev, has submitted the documents required by the Law on the Development of the Academic Staff in the Republic of Bulgaria (ZRARB) and the rules of IOCCP for participation in the competition. Dr. Mitrev participates in the competition with 16 publications, as follows: 5 according to criterion C (equivalent number of articles for habilitation work) and 11 articles by group of indicators "D". 97 citations of the works with which Dr. Mitrev participated in the current competition were noted; Dr. Mitrev has an H-index of 6. The candidate has submitted a list of 14 participations in scientific events, mostly international, as well as a certificate of participation in 9 research projects. The data presented by Dr. Mitrev meet the criteria of IOCCP-BAS for occupying the academic position "docent".

Dr. Mitrev graduated from the Faculty of Chemistry of the SU "KI. Ohridski", where he obtained bachelor's and master's degrees, as well as PhD, "doctor of chemistry". He started working at IOCCP in 2005 as a chemist, where he currently works in the academic position of "Assistant Professor".

My personal impressions of Yavor Mitrev date back to the time when he attended my lectures in the master's course in organic chemistry. After the past years of working together at the institute, he can be said to be a colleague you can rely on both professionally and personally.

2. General characteristics of the applicant's activity

In the "Habilitation report" presented by Dr. Yavor Mitrev, the scientific activity covered by the publications with which he participates in the competition is thematically divided as follows:

- Methodological and applied NMR developments;
- Application of solid-state NMR spectroscopy to study the structure of new mesoporous materials;

- Application of NMR spectroscopy in solution to prove structure, configuration and study of molecular mobility of organic compounds.

This grouping of the topics in the habilitation report is successful and correctly reflects the goals and results of the conducted research. In his scientific activity, Dr. Mitrev adopts new techniques and approaches in NMR spectroscopy and successfully applies them to solve scientific and applied tasks. The application of solid-state NMR experiments, as well as, diffusion NMR spectroscopy in the research of Dr. Mitrev is extremely relevant and is clearly an opportunity for collaboration with groups with different thematic interests in the field of organic chemistry and materials science. Without a doubt, the candidate has demonstrated in his scientific activities a high level of competence and ability for development.

3. Critical remarks and recommendations

I have no significant remarks on the presented materials. I would recommend Dr. Mitrev in his future work to focus his efforts more in his own thematic developments.

CONCLUSION

The documents and materials presented by chap. Assistant Professor Yavor Nikolaev Mitrev, Ph.D., meet the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for the Implementation of the law, the Regulations for the Implementation of the law at the BAS and the Regulations of IOCCP-BAS.

The candidate in the competition has submitted a sufficient number of scientific papers published after the materials used in the defense of the PhD thesis. The candidate's publications have original scientific and applied contributions that have received international recognition through their publication in international journals, as well as, many citations in the works of other scientists.

After evaluating the materials presented in the competition, I give my positive assessment and recommend the Scientific Jury to support the candidate's candidacy and to prepare a report to the Scientific Council of IOCCP with a proposal for the election of Dr. Yavor Nikolaev Mitrev to the academic position of "Associate Professor" in a scientific specialty "Organic chemistry" in professional direction 4.2. Chemical Sciences.

16.09.2022 г.

Prepared by:

(Prof. DSc Vladimir Dimitrov)