



HIGHER NAVAL SCHOOL "N. Y. VAPTSAROV"

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"FILII MARIS SUMUS"



REVIEW

on a competition for academic position "Professor"
in the field of higher education 5. "Technical Sciences", professional field 5.7.
"Architecture, Construction and Geodesy", scientific specialty "Cartography (incl. thematic geographical mapping)", subjects "Cartography, Mathematical Cartography", in the Department of Geodesy at the Faculty of Technical Sciences of The University of Shumen "Bishop Konstantin Preslavski"

The competition is announced in SG issue 64/03.08.2021.

Candidate: Assoc. Prof. Dr. Eng. Sabin Ivanov Ivanov

Prepared the review: Prof. Dr. Eng. Yuri Ivanov Dachev, HNS „N. Y. Vaptsarov” – Varna

1. General characteristics of the applicant's scientifically research and scientifically applied activities

The only candidate to participate in the competition is Assoc. Prof. Dr. Eng. Sabin Ivanov. He is an engineer in Geodesy, Photogrammetry and Cartography. In 2017 he completed a PhD in scientific specialty "Cartography (incl. thematic geographical mapping)" at the University of Shumen "Bishop Konstantin Preslavski". His working career of 16 years passed as a surveyor in the Bulgarian Army, in a private geodetic company, in "Roads and Bridges" and as an assistant, assistant professor and associate professor in the Department of Geodesy of shumen University. Since 2020, he is Deputy Dean of the Faculty of Technical Sciences of SHU. All of this has helped Assoc. Prof. Sabin Ivanov to acquire great practical experience, knowledge, pedagogical and research skills.

Evidence of this is the scientific production presented by him and its thematic focus and scope. For the competition for "professor" the candidate has presented 1 monograph, 17 publications in Bulgarian reference editions, 4 publications indexed in world databases, 37 citations, participation in 10 scientific and educational projects, 2 textbooks and 4 educational tools. In 7 of the publications presented and in all textbooks and tools he is an independent author, which is an important attestation for his maturity as a researcher and lecturer.

In accordance with this, I consider that the requirements for the quantitative parameters and qualitative characteristics to be met in full by the research and scientific and applied activities of the candidate for 'professor' are satisfied. Assoc. Prof. Sabin

Ivanov fulfils the minimum national requirements under Art. 26, para. 2 and 3 of the LDASRB for "Professor" in Field 5. Technical Sciences, collecting a total of 613.32 points.

2. Assessment of the applicant's pedagogical training and activities

Through participations in various forms for expansion and deepening of their qualifications (certificates of qualification courses) and through the membership of prestigious organizations (IEEE, SMS), solid vocational training has been implemented and competences have been acquired, confirming Assoc. Prof. Sabin Ivanov as a teacher and researcher with enduring interests and in-depth knowledge. These efforts and his professional attitude to the work receive a high appreciation, which is expressed in a well-deserved authority not only among the academic community of the University of Shumen, but also among specialists from a number of institutions in Bulgaria.

Assoc. Prof. Sabin Ivanov is an established lecturer giving lectures and exercises in basic subjects in the Department of Geodesy – Topographic Cartography, Geodesy, Cartography, Transformation of Map Images, etc. They are in the direction of the contest. In addition, he is annually head of graduates and two PhD students on topics in the field of competition. The formed knowledge, skills and experience are actively used through the participation and leadership of the candidate of a number of educational and scientific projects – the development of curricula, participation in the development of curricula, participation in accreditations of the specialty, etc. These facts are grounds for the firm assessment that Assoc. Prof. Sabin Ivanov possesses modern teaching qualities and skills, which he creatively applies in his academic activity.

3. Main scientific and scientifically applied contributions

From the detailed analysis of the presented scientific production, I consider that the research reflected in it is of a systemic nature and is a synthesis of the creative searches and the scientific and pedagogical improvement of the candidate for the academic position "Professor". The results of his research work stem from a targeted activity in which real needs of science and practice take center stage.

An important place in the scientific production of the candidate is the presented monograph with two co-authors "Modern Mapping Technologies". In it, he conducts an in-depth theoretical analysis, which presents the original views of Assoc. Prof. Sabin Ivanov on the tasks and problems of modern cartography. The monograph has originality, which, combined with the scope and depth of the research, defines it as a product of high importance for the scientific, educational and practical spheres.

The second sector in scientific production is represented by articles and scientific reports, which are thematically combined and present the results of research in the field of cartography. In this direction of scientific interests and searches, important scientific and applied and applied contributions and original practical solutions are formed. The skillful combination of theoretical with empirical analysis has allowed the candidate to achieve very good results.

The achievement of the applicant is also the successful coverage of the results of the research activities in the presented materials with a learning focus – 2 textbooks and 4 educational tools. This third sector represents the candidate in the light of a university lecturer. Their content shows that he is fluent in the subjects taught. I confirm that the claims made for contributions formulated correctly and synthesized reflect the results of the author's scientifically applied and applied research.

4. Importance of contributions to science and practice

For the importance of the applicant's contributions to science and practice, I should note:

- three articles in Bulgarian magazines: "Journal of the Bulgarian Geographical Society"; " Geodesy, cartography, land planning"; "Science";
- three articles of the applicant are licensed in the EBSCO global database;
- one in the Web of Science;
- The scientific reports are presented in authoritative scientific forums and conferences: MATTEH; Yearbooks of "Bishop Konstantin Preslavski" ShU; National Scientific Conference "Interdisciplinary Study of Megaliths"; Fifth International Conference "Geographical Sciences and Education";
- The existence of 37 citations from other researchers indicate that the results of the research activities of Assoc. Prof. Dr. Eng. Sabin Ivanov is positively evaluated and used in professional circles. It is recognizable in the professional space in Bulgaria.

5. Critical notes and recommendations

I recommend that the candidate publish the results of his research in foreign journals and in works at scientific conferences indexed in Scopus and WoS. In this way, he will further promote his results outside Bulgaria, which will provide opportunities for citing his publications by many foreign authors.

6. Conclusion

In summary of the fore, I declare that with the presented scientific production and the educational and teaching activity carried out, the candidate for the academic position "Professor" Assoc. Prof. Sabin Ivanov satisfies the requirements for holding academic positions in the "Bishop Konstantin Preslavski" ShU and the minimum national requirements under Art. 26, para. 2 and 3 of the LDASRB for "Professor" in Field 5. Technical sciences.

With a responsibility, I find it reasonable to suggest that the candidate, Assoc. Prof. Sabin Ivanov to take the academic position "Professor" in the Department of Geodesy at the Faculty of Technical Sciences of Shumen University "Bishop Konstantin Preslavski"

21. 10. 2021
VARNA

MEMBER OF THE JURY:
(Prof. Dr. Eng. Yuri Dachev)

