



# NIKOLA YONKOV VAPTSAROV NAVAL ACADEMY

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*"FILII MARIS SUMUS"*

## REVIEW

on a competition for academic position of "Associate Professor" in the field of higher education 5. „Technical Sciences“, professional direction 5.7. „Architecture, civil engineering and geodesy“ (General, Higher and Applied Geodesy) in the Department of Geodesy at the Faculty of Technical Sciences of the Konstantin Preslavsky University of Shumen.

The competition was announced in a state newspaper issue 63/17.07.2020

Candidate: Chief assist. Dr Kiril Filipov Yanchev

**Prepared the review:** prof. Yuri Ivanov Dachev, PhD, Nikola Yonkov Vaptsarov Naval academy – Varna

### **Grounds for preparation of the review:**

1. Order № RD-16-090 of 15.09.2020 of the Rector of Konstantin Preslavsky University of Shumen for the appointment of a scientific jury for the conduct of the number announced in a state newspaper issue 63/17.07.2020 competition for the occupation of academic position "Associate Professor" in the field of higher education 5. "Technical Sciences", professional direction 5.7. „Architecture, civil engineering and geodesy“ (General, Higher and Applied Geodesy) in the Department of "Geodesy" at the Faculty of Technical Sciences of Konstantin Preslavsky University of Shumen.

2. Protocol of the first meeting of the scientific jury on the procedure for conducting the competition for the academic position "Associate Professor" in the field of higher education announced in the state gaze 63/17.07.2020. "Technical Sciences", professional department 5.7. "Architecture, civil engineering and geodesy" (General, Higher and Applied Geodesy) in the Department of Geodesy at the Faculty of Technical Sciences.

3. Reference for compliance with the minimum national requirements under Article 26(2) and (3) of the Law on the Development of Academic Staff in the Republic of Bulgaria of Chief Assistant Dr. Kiril Filipov Yanchev.

### **1. General characteristics of the applicant's research and scientific activities**

The only candidate to participate in the competition is Chief Assistant Dr. Kiril Filipov Yanchev. He has a Master's degree in Geodesy, Master's program "Geomatics", received at the Konstantin Preslavski University of Shumen in 2013. Since 2017, he has

been a Doctor of General, Higher and Applied Geodesy. His working career of 28 years includes a job as a designer in a private geodetic company, a full-time lecturer, an assistant and a senior assistant in the Department of Geodesy of the Konstantin Preslavski University of Shumen. This has helped him gain great practical experience in geodetic activities, knowledge, pedagogical and research skills.

Evidence for this is the scientific production presented by it and its thematic focus and scope. For the competition for "associate professor" the candidate has presented 11 publications, one monograph, 17 citations in collective volumes with scientific review and participation in a scientific project. In 10 of the publications he is an independent author, which is a very important attestation for his maturity as a researcher and lecturer.

In accordance with this, I consider that in full the requirements for the quantitative parameters and qualitative characteristics to be met by the research and scientific and applied activities of the candidate for "associate professor" are satisfied. Chief Assistant Dr. Kiril Filipov Yanchev fulfils the minimum national requirements under Article 26(2) and (3) of the Law on the Development of Academic Staff in the Republic of Bulgaria as an "associate professor" in Area 5. Technical sciences, collecting a total of 401 points.

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

I have direct impressions of the teaching work of Chief Assistant Dr. Kiril Yanchev in the Department of Geodesy of Shumen University due to good contacts and my joint work with colleagues from the Department.

Through participations in various forms for expansion and deepening of their qualification and through the membership of prestigious organizations – Chamber of Engineers in Investment Design, solid professional training has been realized and competences have been acquired, confirming Chief Assistant Dr. Kiril Yanchev as a lecturer and scientific researcher with lasting interests and in-depth knowledge. These efforts and his professional attitude to the work receive a high appreciation, which is expressed in deserved authority not only among the academic community of Shumen University, but also among the specialists from a number of institutions in Bulgaria.

Chief Assistant Dr. Kiril Yanchev is an established lecturer, giving lectures and exercises in the main subjects of the students, specialty "Geodesy", educational qualification degree "Bachelor" and "Master" at the University of Shumen. They are in the direction of the competition. In addition, he is annually head of graduates on topics, also in the direction of the competition. The formed knowledge, skills and experience are actively used through the participation and leadership of the candidate of a number of educational projects – the development of curricula, participation in the development of curricula, participation in accreditations of the specialty and others. These facts are grounds for the firm assessment that Chief Assistant Dr. Kiril Yanchev possesses modern teaching qualities and skills, which he creatively applies in his academic activity.

### **3. Basic scientific and 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 applicant for the first habilitation. 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 candidate's scientific production is the presented monograph "Geodetic activities for monitoring and studying the modern movements of the Earth's crust" in a volume of 171 pages. This is an in-depth theoretical analysis that presents the condition and original views of Chief Assistant Dr. Kiril Yanchev on the tasks and problems of modern geodynamics. The monograph has originality, which, combined with its scope and depth, defines it as a scientific 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 modern movements of the Earth's crust. 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 in the submitted materials with a learning focus. This third sector presents 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 scientific 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 the:

- The articles are published in reputable foreign and Bulgarian magazines: "Journal scientific and applied research" (USA) and „Geodesy, Cartography, Land Management“;
- The scientific reports are presented in authoritative scientific forums in Bulgaria – "MATTEX" and The Yearbook of the University of Shumen;
- The presence of 17 citations from other researchers indicate that the results of the research activities of Chief Assistant Dr. Kiril Yanchev are positively evaluated and used in professional environments. He is recognizable in the professional space in Bulgaria.

### **5. Critical notes and recommendations**

The 17 citations submitted for the competition are those of his colleagues from the department. I recommend that the applicant strive to publish the results of his research in foreign journals and scientific conferences indexed in Scopus and WoS. In this way, he will

promote his results outside the country, which will give opportunities to cite his publications by foreign authors.

## **6. Conclusion**

In summary of the above, I declare that with the presented scientific production and the educational and teaching activity carried out, the candidate for the academic position "Associate Professor" Chief Assistant Kiril Yanchev satisfies the mandatory conditions of the Law on development of the academic staff of the Republic of Bulgaria and the requirements for taking up academic positions at the University of Shumen, as well as the content of the scientific assessments.

With responsibility, I find it reasonable to propose that the candidate Chief Assistant Dr. Kiril Yanchev take up the academic position "Associate Professor" in the Department of Geodesy of Konstantin Preslavski University of Shumen in professional field 5.7. "Architecture, civil engineering and geodesy" (General, Higher and Applied Geodesy).

**12. 10. 2020**

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**MEMBER OF THE JURY: .....**

**(Prof. Dr. Eng. Yuri Dachev)**

