



FACULTY OF TECHNICAL SCIENCES

OPINION

of the Associate Professor Dr. Eng. Evgeni Grishev Stoykov

on the materials submitted for participation in a competition for the academic position "Associate Professor" in the professional field 5.7 "Architecture, civil engineering and geodesy" (General, Higher and Applied Geodesy)

At the competition for "Associate Professor", published in the State Gazette, issue 70 of 07.08.2020 and announced on the website of the University of Shumen "Bishop Konstantin Preslavsky" for the needs of the Faculty of Technical Sciences, one candidate – Chief assist. Dr. Eng. Krasimira Kuneva Kirilova from the University of Shumen "Bishop Konstantin Preslavsky".

1. Short biographical data

Chief assist. Dr. Eng. Krasimira Kuneva Kirilova graduated with a bachelor's and master's degree in Geodesy at the University of Shumen "Konstantin Preslavsky", as well as a Master's Degree, specialty "Transport Construction" at Todor Kableshev University of Transport – Sofia.

Until now she has held the positions of "Assistant" and "Chief Ass:stant" at the Faculty of Technical Sciences of the Shumen University "Bishop Konstantin Preslavski".

In 2018 she defended his doctoral dissertation in the scientific specialty "General, Higher and Applied Geodesy".

2. General description of the materials presented

The candidate chief assistant dr. eng. Krasimira Kuneva Kirilova participated in the competition for "Associate Professor" with 13 units of scientific production of which: 1 issue of monograph and 12 articles and reports.

Assigned to the parameters defined in Article 2b of paragraphs 2 and 3 of the Law on the Development of the Academic Staff of the Republic of Bulgaria and its rules of Application for the minimum national requirements for applicants in professional field 5.7. "Architecture, civil engineering and geodesy", materials can be classified as follows:

✓ Group of indicators A, Indicator 1 "Dissertation work for awarding the educational and scientific degree Doctor" – 50 points at the required 50 - **corresponds**;

✓ Group indicators B, Indicator 3 "Habilitation work - monograph" – 100 points at required 100 – **corresponds**;

✓ Indicator Group G, Indicator 8 "Scientific publication in unreferenced journals with scientific review or in edited collective volumes" – 200 points at required 200 – **corresponds**;

✓ Indicator Group D, Indicator 13 "Citations in monographs and collective volumes with scientific review" – 51 points at required 50 – **corresponds**;

By number of co-authors:

All scientific works of the candidate for participation in the competition for "Associate Professor" are 12, of them 8 independent and 4 in co-authorship.

3. Reflection of the applicant's scientific publications in literature.

In the report provided, the applicant has indicated 17 citations in reports by other authors.

4. General characteristics of the applicant's activities.

4.1. Educational and pedagogical activities.

In the Department of Geodesy of Shumen University, the candidate has been a lecturer since 2014 with a one-year break. He has extensive practical experience. She lectures and leads exercises in the main disciplines in the Department - Cadastre I and II part, Urbanized Spatial Planning, Cadastral Information Systems, Applied Geodesy II Part, Geodesy Practice I and II part. The overall teaching activity of the applicant, as well as my immediate personal impressions of it throughout her academic career, give me reason to conclude that Chief Assistant Kirilova is fully and performingly involved in the learning process and research.

4.2. Scientific and scientific application.

The applicant has participated in national and international scientific forums with reports, as well as in a research project.

She is a member of the Chamber of Engineers in Investment Design and of IEEE.

5. Contribution.

The main part of the scientific and scientific and applied contributions of the candidate fall into the theme of the announced competition and confirm her qualities as a teacher and scientist.

I accept the contributions declared by the author on the monograph work "Basic concepts of satellite gravimetry – satellite gravitational gradometry and satellite tracking". It has a volume of 167 pages and is an in-depth theoretical analysis of the author's original views on the basic concepts of satellite gravimetry.

I accept the contributions declared by the author in publications outside of the monograph work.

From the materials presented to me reflecting the academic and scientific activities of the applicant, the following can be summarised:

✓ the public activity of the applicant gives reason to claim that his scientific achievements have become available to the Bulgarian and foreign scientific community;

✓ analyzing the publications gives a clear idea of the themes of the research, their mutual connectivity and specificity and confirms the author's author's style and contribution.

6. Critical notes

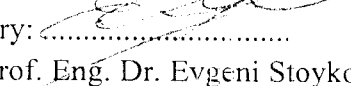
I don't have any critical substantive notes on the materials presented. The overall impression of the materials presented for participation in the competition, the professional and scientific career of Chief Assistant Dr. Kirilova give me reason to recommend that I direct my efforts to publish the results of its scientific activities in publications and forums recognized by Scopus and the Web of Science.

7. Conclusion

The materials proposed to me for opinion show that the candidate has carried out the necessary scientific and research activities required by the Law on Development of Academic Staff in the Republic of Bulgaria and the Regulations for its application and **meets** the minimum national requirements for candidates in the professional field of the competition.

In view of the above, I propose that Chief Assistant Dr. Eng. Krasimira Kuneva Kirilova be selected as an "associate professor" in the field of higher education 5. "Technical Sciences", professional field 5.7. "Architecture, civil engineering and geodesy " (General, Higher and Applied Geodesy) at the University of Shumen "Bishop Konstantin Preslavski".

26.10.2020
Shumen

Member of the scientific jury: 
/Assoc. prof. Eng. Dr. Evgeni Stoykov/