



OPINION

by Prof. Dr. Eng. Liliana Zashkova Stoyanova, HTMU – Sofia,

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Subject: Competition for the occupation of the academic position "Professor" in the field of higher education 5. Technical sciences, professional direction 5.5. Transport, shipping and aviation, scientific specialty "Transport and storage of oil, gas and solid minerals" with a single candidate Assoc. Ph.D. Eng. Yordanka Tsankova Tasheva - University "prof. Dr. Asen Zlatarov" - Burgas

1. Information about the contest

The competition was announced by the University "prof. Dr. Asen Zlatarov" - the city of Burgas in SG No. 43/17.05.24 for the needs of the department " Techniques and technologies in transport and engineering " of the Faculty of Technical Sciences at the mentioned university.

I participate in the composition of the scientific jury for the competition according to Order No. RD - 236 of 15.07.24 of the Rector of the University "prof. Dr. Asen Zlatarov" - Burgas.

2. Brief information about the candidates in the competition

In the aforementioned competition, only one candidate submitted documents and participated, Associate Professor Yordanka Tsankova Tasheva, Ph.D. Eng., who is currently an associate professor in the department of "Industrial Technologies and Management" at the Faculty of Social Sciences. The candidate completed higher education EQD "Master" in the specialty "Chemical technologies - Technology of petroleum and chemotology" in 1998 at the above university. She also completed a second Master's degree - Industrial

management. Over several years, she completed several specializations at the same and other universities in the country.

In 2006, she defended her doctoral dissertation on the topic: "Methods for obtaining environmentally friendly middle distillate fuels" and obtained a doctoral degree.

Assoc. Prof. Ph.D. Eng. Yordanka Tasheva has worked at Prof. Dr. Asen Zlatarov University since 2005, at first as a chemist at NIS, in 2006 as a part-time assistant, then as an assistant, ch. assistant, and since 2011, she has been elected as Associate Professor, which position she currently holds.

It is important to note that the documents submitted for the competition by Assoc. Prof. Ph.D. Eng. Tasheva are in full volume, according to the requirements and are very well completed, which makes it easier for the examiner and gives an idea of a good arrangement.

3. Fulfillment of the requirements for occupying an academic position

From the careful reading of the table with the obtained own results of Assoc. Prof. Ph.D. Eng. Tasheva, I found that they fully correspond and cover the requirements of the regulations to the law on the growth of the academic staff in the Republic of Bulgaria for occupying the academic position "Professor". From the table provided to me with the required documents of Prof. Tasheva, it is clear that her index covers 1390.37 points regarding scientometric indicators, which is proof that they fully correspond and far exceed the requirements of the regulations to the law for the growth of the academic staff in our country for occupying the academic position "Professor". Also, from the presented list of scientific production of the candidate, it is evident that she works independently and in a team and has achieved good and valuable results, for which it can be claimed that she is known among the scientific circles of her scientific field at home and abroad .

4. Evaluation of teaching and learning activity

Associate Professor Ph.D. Eng. Yordanka Tasheva, during the years she worked at the university, she conducted lectures and exercises on some of the following disciplines: Operating materials and characteristics of fuels and oils; Operating materials and ecology; Technologies for reducing harmful emissions from TT; Oil and Gas Technology; Oil and Gas Chemistry and Technology; Petroleum chemistry; Commodity science; Medical commodity; Enterprise economics; Organic chemical technologies; Small Business Management; Chemotology; Production technological control; Chemical processing; Technology of tax warehouses; Oil and gas construction. The listed disciplines are given as lectures and exercises for the various EQD`s.

During the same period, she was the head of 27 units graduates - Bachelors and Masters. She participated in the preparation of 24 study programs independently and in co-authorship for the disciplines she teaches. She participated in the construction of various laboratory stands, which I know well during my visits to the university during various accreditation procedures.

Based on what has been stated so far, the opinion giver can confidently claim that the candidate demonstrates large-scale pedagogical activity, which is one of the most important indicators of the basic requirements for a teacher. With this, my general impression from the documents presented to me is that Assoc. Tasheva has proven to be a very good and well-built university teacher.

5. Brief description of the provided scientific works/publications

In the current competition for the academic position of "Professor", the candidate has initially indicated all those documents and materials for the previously held academic position of "Associate Professor", which I will not comment on, as well as with all those materials that relate to the requested academic position "Professor", which are the following: 1 pc. monograph on the topic: "Environmental use of natural and synthetic fuels and their waste" with 10

scientific publications to it and accordingly reviewed by three reviewers, 20 outside the monograph, scientific publications published in referenced in a global database, 24 nos. (also outside the monograph) scientific publications published in non-refereed Bulgarian and foreign journals with a reviewer, 1 pc. Textbook of the main taught discipline, 25 citations in refereed and indexed editions on Scopus/Web of Science. It is also indicated the participation in 2 no. essential scientific projects from the "Science" Fund and a national project, as well as in university-planned projects.

Giving the opinion, I fully agree and accept the candidate's statement that the essential part of her research is available to the world scientific community in terms of the publication of her production in scientific publications referenced in a world database.

According to scientific topics, the presented scientific production can be summarized in the following scientific areas:

1. Research and comparison of different compositions of petroleum fuels on fuel consumption, as well as corresponding assessment of the influence of the composition of different fuels on the efficiency of the car when using intelligent control and management systems and comparing the influence of the change in the composition and operational indicators of fuel on the power, economic and environmental indicators of the engine;
2. Modern technologies for improving the yield of products from primary oil processing, as well as the operational and environmental characteristics of fuels and oils by improving their composition on the one hand by cleaning them from unwanted components by an alternative method, and on the other by adding of various additives of petroleum and non-petroleum origin to various petroleum mixtures and their research and analysis accordingly;
3. Assessment of the impact of the use of fuel-lubricants and transport on the ecology and protection of the environment and human health.

All scientific publications represent completed research individually solving specific tasks, reaching certain conclusions, with a real contribution to science and practice.

6. A synthesized evaluation of the main scientific and scholarly contributions of the candidates

In the presented documents expressing the scientific output of the candidate, including (the monographic work and all publications outside of it), scientific, scientific-applied contributions and those of an engineering nature are found and proven. Contributions are expressed in 3 pcs. scientific, 3 scientific-applied and 4 applied contributions. All contributions are defined generically and generally reflect the most important achievements of their author's work. From the way they are presented, it is established what was done in her research work in the main directions in which she works. Due to the limited volume of the opinion, I will not dwell on each of the contributions, but will note that I perceive them as such and agree with their definition and content. The same as a whole reflect the essence of the obtained results, their correct interpretation and the conclusions drawn.

However, here is the place to point out that the education that the candidate received expressed in the two master's degrees and the number of specializations also gave her the opportunity to work on a broad front of her scientific work with a large volume of scientific production, which helped her to develop precisely the analyzes made in their research and properly specify their claims for contributions

7. Main criticisms and recommendations

Undoubtedly, in such a large-scale activity expressed in good teaching and research activity, which Assoc. Tashava has, it is not possible to be devoid of

some weaknesses and inaccuracies, but they in no way affect their achievements and merits.

I have no comments on the scientific work of Prof. Tasheva related to her scientific production, as in the formulation of the tasks, their analysis, conclusions and conclusions. Accurate scientific research tools, methods and methodologies were chosen, results were obtained, which were well analyzed. In my future work, I recommend the candidate to intensify her work in terms of scientific projects, for which she has the potential, which will significantly strengthen her research activity, regardless of the fact that she is currently at a good level. In addition, her proven extensive work with students will necessarily help to offer them doctoral topics and bring out more PhD students.

8. Conclusion

Based on my detailed familiarization and analysis of my presented scientific works and documents, their significance, the scientific, applied scientific and engineering contributions contained in them and the in-depth teaching activity with conviction, I find it reasonable to propose to the Honorable Scientific Jury of the procedure to propose to The Faculty Council of the Faculty of Social Sciences, Associate Professor Yordanka Tsankova Tasheva, Ph.D. Eng., to be elected and hold the academic position of "Professor" in professional field 5.5 Transport, shipping and aviation, scientific specialty Transport and storage of oil, gas and solid minerals at the University "prof. Dr. Asen Zlatarov" - Burgas.

Sofia

05.09.24 г.

Member of scientific jury:

/ Prof. Dr. Eng. L. Zashkova /