

OPINION

On the materials for participation in the competition for occupation of the academic position "Professor", field of higher education 3. Social, business and legal sciences, Professional area 3.7. Administration and Management, scientific specialty "Application of computing in Economics", in the discipline "Information Technologies, announced by the University of Forestry in the State Gazette number 101 / 27.12.2019, procedure code AVM-P-1119-27

The candidate for the competition is:

Associate Professor Marina Petrova Mladenova, PhD;

Prepared by: Nikolay Stoyanov Stoenchev, PhD, Professor in the professional field

3.7. Administration and management from the University of Forestry

1. Biographical details of the applicant

Assoc. Prof. Marina Petrova Mladenova has completed her secondary education at the Sofia Mathematics High School, where she also obtained a specialty in "Programming for EIM". She has a university degree in Electronic Engineering and Microelectronics with a qualification - Engineer in Electronics and Automation, acquired at the Technical University - Sofia. In 2009 she received her doctorate degree. She has also completed courses on Blackboard Learn E-Learning Platform Administrator and Blackboard Learn E-Learning Platform Trainer. She has over 23 years of experience at the University of Forestry as an assistant, senior assistant, chief assistant and associate professor. Since 2011, she has also been the system administrator of the University of Forestry's website. Since 2014, administers the e-learning platform at the Distance Learning Center of the University of Forestry.

The candidate is fluent in Russian and English.

2. Compliance of the submitted documents and materials of the applicant with the required ones in accordance with the Rules for the development of the academic staff at the University of Forestry;

The documents submitted by Assoc. Prof. Marina Mladenova for participation in the competition for professor meet the requirements specified in the Regulations for the Development of Academic Staff at the University of Forestry.

3. Assessment of the applicant's teaching activity

Her teaching activities at University of Forestry include delivering: lectures and exercises in front of students from different specialties at University of Forestry in the disciplines "Information Technology -first Part", "Computer Engineering and CAD / CAM Systems", "Computer Project Management Systems", "Informatics" , "Information Technology". He also teaches computer science in English to foreign students majoring in Veterinary Medicine.

The teaching activity of Assoc. Prof. Dr. Marina Mladenova corresponds to the scientific specialty and to the discipline in which the competition was announced. In terms of length of time and number of hours teaching is sufficient to accumulate the necessary experience. From the point of view of the standard for the number of hours of the annual study load, determined in the University of Forestry, the applicant meets the requirements.

Proof of consistency, responsibility and diligence in teaching work are the three textbooks written by the candidate and five exercise manuals. One of the textbooks is in English. One of the textbooks and two of the manuals are in electronic form.

4. Assessment of the applicant's scientific, applied and publication activities

4.1. Participation in scientific, applied and educational projects

The candidate has participated in three nationally funded scientific projects, with two of them being a supervisor. Projects are highly sophisticated, relevant and practical. Their topic is in accordance with the specifics of the specialties in which students study at University of Forestry and is aimed at research and realization of opportunities for introducing innovations in research and in the educational activity, which justifies the obtained results to be determined as useful for science and education.

The candidate has also participated in six educational projects, which has significantly contributed to both the technical and personnel provision of training for students at University of Forestry with advanced technologies using electronic resources and virtual methodologies. The skillful combination of scientific potential with teaching experience enables the candidate to successfully participate as a trainer in the implementation of an e-learning platform.

4.2. Characteristics of published scientific results

The total number of publications by Assoc. Prof. Marina Mladenova is 74, of which 32 entries have been submitted for participation in the competition. Including: two monographs, two

scientific studies, three books, ten articles in peer-reviewed scientific journals, etc. Twelve of the publications are in a foreign language and thirteen are standalone.

The published scientific results are distinguished by their authenticity, practical usefulness, compliance with current trends in the development of information technologies and orientation towards education in higher education institutions. It is worth noting that there are thematic focuses that are competently selected and are the optimal number

Particular attention should be paid to the monographs and studies of Assoc. Prof. Dr. Marina Mladenova, who are dedicated to the impact of information and communication technologies on workplaces. In her monographs she draws on the main international characteristics / obligations, responsibilities, requirements / related to the professions of the future based on information technology.

This outlines the prospects for restructuring the specialties, competencies and knowledge that will be expected from specialists in the near future. The conclusions drawn can be useful both in formulating strategies for the development and improvement of the education system in Bulgaria, as well as in personal terms when deciding on the vocational guidance of young people.

The results achieved can be useful in updating the syllabuses at University of Forestry and in shaping the content of the courses provided at the Continuing Learning Center at the University of Forestry.

The cloud computing study reveals the prospects for using this type of service worldwide and in Bulgaria, highlighting both the benefits and the difficulties and risks of implementing new technologies. In this way, it contributes to overcoming prejudices and brings realism to the expectations of potential users.

The study on the results of the use of the Alumni network at the University of Forestry successfully reveals the usefulness of an electronic application for monitoring and analyzing key indicators related to the rating system of higher education. It has a research character and can be said to meet the volume and structure of the monograph criteria.

The scientific articles of Assoc. Prof. Dr. Marina Mladenova are mainly aimed at introducing the benefits of electronic technologies in training to the scientific community and contributing to the publicity of the achievements of the scientific projects and creative pursuits of the candidate. They are distinguished by precision, international experience, clear personal

opinion, the existence of conclusions and recommendations for the practical implementation of the ideas that have been advocated.

4.3. Reflection of the applicant's scientific activity in literature

The candidate's scientific work is very well represented in the literature. Proof of this is the fact that the points presented as a result of the quotations far exceed the required by the minimum scientometric criteria for a professor, and the citations are in many respects in prestigious publications / in scientific publications referenced and indexed in world-famous databases and monographs and Collective volumes with scientific review.

4.4. Contributions in the applicant's work (scientific, applied)

I accept the contributions formulated by the candidate with the exception of:

- contribution 2.3. It largely duplicates the contribution 1.4
- contribution 3.2. It largely duplicates the contribution of 2.5

5. Assessment of the applicant's personal contribution

I am convinced of the significant personal contribution of the candidate in the scientific production submitted for participation in the competition, as 13 of the works are without co-authors and 16 are with only one co-author. The most significant works of the candidate - the monographs and one of the studies - are without co-authors. With more than two co-authors, only three are publications. The publications are full of personal opinions and conclusions of the author, which are substantiated and evaluative.

6. Critical notes and recommendations

1. Publication B3-1 contains figures without numbering / pages 30-36, 38-41, 51-54, 70-79, 90-96, 104-112, 123-127, 154-160, 172-176, 187- 190, 200-203 /.
2. When presenting in tabular form numerical characteristics, all of which are in percent, it is advisable to write the% sign one time above the table instead of being present in all cells. For example, refer to publication D9-2, pp. 223-231.
3. There are some inaccuracies in the self-assessment report for meeting the national minimum requirements, which do not alter the final conclusion that the applicant's activities significantly exceed the requirements.

- Section D9 lists two scientific studies, one of which is co-authored, but also awarded the full score.

- in section E14, "Citations in monographs and peer-reviewed scientific volumes include: one citation in a manual (citation № 6), four citations in exercise manuals (citations № 10, 11, 12, 13) and one citation in a textbook / citation № 15 /

7. Personal impressions

My personal impressions of the candidate are completely positive. I am convinced that she is an erudite, competent and dedicated scientist, experienced university lecturer and helpful colleague who is able to work in a team.

8. Conclusion

PROPOSE Candidate Assoc. Prof. MARINA PETROVA MLADENOVA, PhD, TO ACADEMIC POSITION OF "PROFESSOR" IN THE COURSE „INFORMATION TECHNOLOGY“ from a professional field 3.7. Administration and Management

Drafted the opinion :.

/ prof. N. Stoenchev, PhD /

Opinion delivered on: 27.4.2020