

OPINION

by Todorka Atanasova Glushkova, Ph.D

professor at the University of Plovdiv "Paisii Hilendarski"

**about the materials submitted for participation in the competition of the
academic position "Associate Professor"**

of the University of Plovdiv "Paisii Hilendarski",

announced in SG № 96/17.11.2023

**in the field of higher education 4. Natural sciences, Mathematics and
Informatics, professional field 4.6. Informatics and Computer Science
(Information security),**

with a single participant Assist. Prof. Magdalena Asenova Veselinova, Ph.D

Based on Art. 30, para. 3 of the Regulations for the Implementation of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB) and by order No. RD 21-388/16.02.2024 of the Rector University of Plovdiv "Paisii Hilendarski", I am included in the Scientific Jury for the competition for the occupation of an academic position "associate professor" in the field of higher education: 4. "Natural sciences, mathematics and informatics", professional direction: 4.6. "Informatics and Computer Sciences" (Information Security), announced in State Gazette No. 96 of November 17, 2023, for the needs of University of Plovdiv "Paisii Hilendarski", with the participant in the competition Assist. Prof. Ph.D. Magdalena Asenova Veselinova.

General presentation of the procedure and the candidate

The set of materials presented by Magdalena Asenova Veselinova is in accordance with the Regulations for the Implementation of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the Regulations for the Development of the Academic Staff of the University of Plovdiv and includes the following documents:

- Application for participation in the contest by Magdalena Asenova Veselinova.
- CV in European format
- Diploma of completed higher education from University of Plovdiv "P. Hilendarski" - 2013, No. 053010, registration No. 1883 dated 13.10.2013, specialty "Business Informatics with English Language";

- Diploma for educational and scientific degree "PhD" - No. 1000245 / 24.02.2017;
- Complete list of scientific works;
- List of scientific works for participation in the competition;
- Scientific works (copies of publications) and separation protocol;
- Complete list of noticed citations;
- List of noticed citations for participation in the contest;
- References for the fulfillment of the minimum national requirements for occupying the academic position "associate professor".
- References for compliance with the additional requirements of the FMI for occupying the academic position "associate professor"
- Summaries of the scientific works for participation in the competition (Annotations of the materials under Art. 65 (1) of the PRASPU for participation in the competition, including self-evaluation of the contributions) in Bulgarian and English;
- Author reference for the scientific contributions in the works for participation in the competition (self-evaluation of the contributions) in Bulgarian and English.
- Documents for academic work - classroom and extracurricular work; activities with students and doctoral students; published textbooks and study aids.
- Documents for scientific research activity - references for participation in research and educational projects and participation with reports in international and national scientific forums;
- Official note with Ex. No. 011/16.01.2024 from the "Scientific and Applied Activity" division at the PU "P. Hilendarski";
- Certificate of work experience with Ex. No. RD-38-16/12.01.2024
- Declaration of originality and authenticity of the attached documents;

Assoc. Professor Magdalena Asenova Veselinova, Ph.D., completed her higher education at Plovdiv University "Paisii Hilendarski" in 2014 with a Master's degree in "Business Informatics with English". She received her PhD in 2017 from the same university in the field of differential equations.

From 2017 to the present, she has worked at Plovdiv University, initially as an assistant, and later as a assistant professor. In the period from 2012 to 2017, she worked as a system administrator at the UMBAL "Kaspela" - Plovdiv, and since 2017 she is the owner of the software company DIVIAS OOD in Haskovo. I know Assistant

Professor Magdalena Veselinova, PhD, as an excellent specialist in the field of computer science, as well as in teaching. The practical experience as a software specialist clearly shows her high motivation and her desire to implement and share her knowledge and experience with students.

General characteristics of the applicant's activity

The overall volume of the candidate's scientific works includes a total of 25 works, of which 1 study aid, 1 monograph and 23 scientific publications, of which 18 are referenced in the world databases SCOPUS or/and WoS. According to the presented annotations of the scientific publications, 13 scientific publications, 1 study aid and 1 monograph are submitted for participation in the competition. 12 articles are published in scientific journals, of which: 1 with IF (Q2); 7 with SJR; 3 are indexed in Web of Science and 9 in SCOPUS. The candidate submits one training aid "Database Tutorial" and one monograph "Implementing Cloud Services to Improve Digital Data Security".

The scientific publications presented for participation in the competition are in several thematic areas:

- Methods and approaches for secure data storage and recovery in modern IT infrastructures. In this direction are articles [4], [6], [7], [11], [12] and the second, fourth and fifth chapters of the monograph [15].
- Technological scenarios for data recovery in cloud environments. In this direction are articles [4], [7], [8], [9], [10], [13] and the sixth chapter of the monograph [15].
- Theoretical results in the field of fractional differential equations with potential applications in data recovery. In this direction are articles [3], [5] and [14].
- Textbooks and study aids. It is in this direction that the training aid on databases is presented.

I accept the contributions formulated in the report on the results of the candidate's research activity in the works with which Assist. Prof. Magdalena Asenova Veselinova, Ph.D., participated in the competition. The obtained results have a scientific and applied nature and can be defined as the enrichment of an existing scientific field with new knowledge. The training aid on databases is primarily intended for the training of students from the Faculty of Mathematics and Informatics in University of Plovdiv.

A list of 34 citations of Magdalena Veselinova's works is presented, of which 22 are in WoS and Scopus. The candidate has participated in 4 international, national and university research or educational projects and has presented the results of her research to the scientific community at 11 national or international conferences.

According to the submitted references for the implementation of the minimum requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the additional requirements of the FMI of the Plovdiv University from assist. Prof. Magdalena Asenova Veselinova, Ph.D., I find that she fulfills the requirements according to indicators A, B, D, D and E for professional direction 4.6. "Informatics and Computer Science". I accept the declaration submitted by the candidate that no plagiarism in the scientific works has been proven according to the law, as well as the separation protocol submitted for the current competition from Assist. Prof. Magdalena Asenova Veselinova, Ph.D.

CONCLUSION

I accept that the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria, the Regulations for its implementation and the Regulations for the specific conditions for acquiring scientific degrees and for occupying academic positions at University of Plovdiv have been met. After familiarizing myself with the materials presented by the candidate on the competition, I give my **positive conclusion** on the choice of Assist.Prof. Magdalena Asenova Veselinova, Ph.D., in the competition for the academic position "Associate Professor" in the professional field 4.6. "Informatics and Computer Science" (Information Security).

I propose that the Scientific Jury unanimously vote on a proposal to the Faculty Council of the FMI of Plovdiv University "Paisii Hilendarski", to choose Assistant professor Ph.D. Magdalena Asenova Veselinova for the academic position "Associate Professor" in the field of higher education: 4. "Natural sciences, mathematics and informatics", professional direction 4.6. "Informatics and Computer Science" (Information security).

14.03. 2024
Plovdiv

Author of the opinion:
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