

OPINION

by Prof. Dimitar Diakov, DSc, Technical University of Sofia of the materials submitted for participation in the competition to occupy the academic position of "associate professor" in the field of higher education - 5. Technical sciences, by professional direction - 5.13. General Engineering, specialty - Quality Management

In the competition for associate professor, announced in the State Gazette, no. 54 of 25.06.2024 and on the website of the Technical University - Gabrovo for the needs of the Department of "Mechanical Engineering and Instrumentation" at the Faculty of "Mechanical Engineering and Instrumentation", as the only candidate participated ch. assistant prof. eng. Tsvetelin Kirilov Georgiev, PhD.

1. Overview of the content and results in the presented works

The submitted works for participation in the competition include:

- 1 monograph (B3) on the topic "Research and applications of the PDCA cycle in quality management systems";
- 6 scientific publications referenced and indexed in world-renowned databases with scientific information ($\Gamma 7.1 \div \Gamma 7.6$);
- 11 scientific publications in non-refereed peer-reviewed journals or in edited collective volumes ($\Gamma 8.1 \div \Gamma 8.11$).

Of the publications, 6 are independent ($\Gamma 7.3$, $\Gamma 8.1$, $\Gamma 8.3$, $\Gamma 8.7$, $\Gamma 8.8$ and $\Gamma 8.9$), and two ($\Gamma 7.4$ and $\Gamma 7.6$) are in editions with Impact Factor and SJR. The candidate is the co-author of 1 textbook (E.23) and 1 manual for laboratory exercises on "Renewable energy sources and technologies" (E.24).

2. General characteristics of the applicant's activity

2.1. Educational and pedagogical activity

Ch. assist. prof. Tsvetelin Georgiev, PhD begins his own teaching activity in 2003. Initially like assistant at "Angel Kanchev" University of Rousse. From 2006 until 2009 he was a senior assistant prof., since 2009 chief assistant in the Department of Mechanical Engineering and Metal Cutting Machines.

Leads lectures by a number of disciplines included in the curriculum plans for EQD "Bachelor" (15) and EQD "Master of Science" (18), as well as a course on "Protection of intellectual property" for EQD "Post graduated students".

For educational and pedagogical qualification on the candidate participation also contributes his in numerous courses, seminars, schools and lectures by Program Erasmus + and CEEPUS Program in a few countries: Belgium; Germany; Greece; Spain; Italy; Portugal; Romania; Turkey; France; Czech Republic Republic and others .

2.2. Scientific and scientific-applied activity

In the competition, the candidate participates with 1 monograph, 17 scientific publications (journal articles and conference reports), of which 6 are in refereed and indexed editions (2 are with Impact Factor and SJR), which is proof of the candidate's scientific work. Of the publications, 6 are independent, and the remaining 11 are co-authored. In 8 publications, the candidate is the first author. 3 reports in scientific conferences are in Bulgarian, and the rest are in English. He is the co-author of 1 textbook and 1 handbook.

The publications are not part of the documentation for the procedure for acquiring the EQD "Philosophy doctor".

The submitted citations for participation in the competition are 7 in scientific publications, referenced and indexed in world-famous databases with scientific information and 35 in non-refereed journals with scientific review. This gives me reason to believe that the candidate's work is known to the scientific community at home and abroad.

The candidate has participated in 20 scientific research projects of Ruse University "Angel Kanchev" and in 8 international scientific and educational projects.

Engineer Georgiev is a valuable specialist in the field - he is a reviewer in over 20 scientific conferences and journals; external expert is with the EC in 2020: DT-FOF-11-2020: Quality Control in Smart Manufacturing; is a member of a number of prestigious Bulgarian and international scientific organizations.

An unequivocal assessment of the candidate's activity is the received awards and distinctions: for young scientists " Danubius Young Scientist Award", 2018; " The Best Paper", 2014 and 2017; jubilee medal "25 years Association Club 9000", 2016; Dean of the Mechanical and Technological Faculty at Rousse University "Angel Kanchev".

The analysis of the documents submitted by the candidate shows that his results significantly exceed the minimum national requirements for groups of indicators of the RSARB and PPZRAS, as well as the minimum requirements of TU - Gabrovo to scientific and teaching activity on the candidates for borrowing on academic position "associate professor".

2.3. Implementation activity

The candidate's implementation activity includes his participation in projects with the industry for personnel training and implementation of methods and procedures in production processes - "Vitte Automotive Bulgaria" EOOD, Ruse; Osm AD, Lovech; Ralomex AD, Zavet .

3. Contributions. Significance of contributions to science and practice

I accept the contributions presented in the report prepared by the candidate, considering that it would be good to classify them according to their character. The main part of the contributions correspond to the scientific specialty of the announced competition "Quality Management".

4. Evaluation of the candidate's personal contribution

The candidate's personal contribution can be assessed by the publications submitted for the competition - 17. Of these, there are 6 independent units, in others 8 units he is first author. This gives me reason to assume that the contributions are the personal business of the candidate.

5. Critical notes and recommendations

I have no substantive critical comments on the presented works of Ch. assistant professor Tsvetelin Kirilov Georgiev, PhD.

6. Personal impressions

I know the candidate ch. assistant professor Tsvetelin Georgiev, PhD from the meetings of the collectives of our two departments, as well as of the ISS "Metrology and metrological assurance". I highly appreciate and admire his responsibility, intelligence and dedication to work.

7. Conclusion

Based on the materials presented by the candidate for the competition, the relevance and significance of the results achieved, as well as on the basis of my personal impressions, I confidently offer ch. assistant professor Tsvetelin Kirilov Georgiev, PhD to be elected as an "associate professor", in the field of higher education – 5. Technical sciences, professional direction 5.13 General engineering, specialty - Quality management.

06.11.2024

Jury member: /signature/
/Prof. Dimitar Diakov, DSc/