

# STATEMENT

**By Associate Professor Dr. Eng. Radoslava Nikolova Gabrova  
University of Food Technologies, Plovdiv**

on the materials submitted for the Competition  
for the academic position of “**Professor**”  
**at Plovdiv University Paisii Hilendarski**

in the field of higher education **5. Technical sciences**  
professional field **5.3. Communication and Computer Equipment**  
(*Automation of areas of non-material sphere - education, science*)

In the competition for “Professor”, announced in the State Gazette, issue 92 of 18.11.2022 and on the website of Plovdiv University Paisii Hilendarski, for the needs of the Department of Electronics, Communications and Information Technology (ECIT) at the Faculty of Physics and Technology, as an applicant is Associate Professor Dr. Dimitar Mihaylov Tokmakov, from the primary unit, for whose needs the competition is.

## **1. General presentation of the received materials**

On the grounds of Order No. ПД-21-329 of 15.02.2023 of the Rector of the Plovdiv University Paisii Hilendarski (PU) I was appointed for a member of the Scientific jury for the aforementioned competition of the competition of “**Professor**”. All documents of the only candidate is Associate Professor Dr. Dimitar Mihaylov Tokmakov were presented to me in electronic form. The procedure is in compliance with the Law for the Development of the Academic Staff in the Republic of Bulgaria (LDASRB), the Regulations for implementation of LDASRB (RILDASRB) and the respective Regulations of Plovdiv University Paisii Hilendarski (RDASPU).

The candidate Dimitar Mihaylov Tokmakov was born in 1969. In 1994 he graduated from the Technical University of Sofia with a Master's degree in Electronic Engineering and Microelectronics. In 2011 he successfully defended his dissertation and acquired educational and scientific degree "Doctor" in the field of higher education 5.2 Electronics, Electrotechnics and Automatics at the Technical University - Sofia. Since 1996 he has been a Senior Assistant Professor at the Department of ECIT at Paisii Hilendarski University, and since 2013 he has been elected Associate Professor in 5.3 "Communication and Computer Equipment".

I know personally Assoc. Prof. Dr. Dimitar Mihaylov Tokmakov and my impressions are entirely positive about his research and teaching activities.

## **2. General characteristics of the activities of the candidate**

The candidate Assoc. Prof. Dr. Dimitar Mihaylov Tokmakov has presented reports on the

teaching and pedagogical activities for the last 5 years. The materials show very active participation in the teaching activities of the department and faculty, such as:

- bringing a large teaching workload, including lectures on the disciplines "Microprocessor Engineering", "Computer Networks", "Computer Modeling and Engineering Design", "Programming of Microcontrollers in Arduino Environment", "Microprocessor Systems" and exercises on the disciplines "Microprocessor Equipment", "Microprocessor Systems", "Programming of Microcontrollers in Arduino Environment".

- academic and scientific work with students, graduates and PhD students - supervision of 17 defended graduates, 1 defended PhD student and 1 non-graduate; 7 scientific publications with students and PhD students;

- development of e-learning courses, both lecture and practical for the courses he teaches;

- Participation in the development of curricula - for 7 Programmes at PU

- development of curricula - 4 for Bachelor's degree, 7 for Master's degree and 1 for PhD degree, 12 in total.

According to the above, the candidate Associate Professor Dr. Dimitar Mihaylov Tokmakov, fulfills the requirements regarding educational and pedagogical activities laid in the Regulations for implementation of LDASRB (Art. 60, Paragraph 1, item 1 and 2) and the RDASPU (Art. 76, Paragraph 1, Item 2 and 3) - according to the presented documents, he held the academic positions of "Associate Professor" at Plovdiv University "Paisii Hilendarski" for a total of 10 years.

For participation in the present competition the candidate Assoc. Prof. Dimitar Mihaylov Tokmakov has submitted a total of 33 scientific papers. The field of the candidate's scientific work is mainly focused on the automation of non-material production, in particular in the applications of computer and electronic systems and in training and education in training and education in special engineering courses.

From an analysis of the candidate's scientific production it can be noted that of the scientific publications: 20 are in journals that are refereed and indexed in world-famous databases with scientific information or 61%; 27 are in English or 82%; in 12 he is in the first place in the author's collective or 36%, and in 16 he is in the second or 49% or in 85% of the works is in the first two places.

In "indicator B", 10 publications are presented for equating to a monograph and according to point 12 of the Notes of the RILDASPU, an extended habilitation reference for scientific contributions is attached.

Assoc. Prof. Dimitar Mihailov Tokmakov has divided the contributions into two groups: contributions in publications, presented by group of indicators B – 7 scientific contributions, 4 scientifically applied and 3 applied; contributions in other publications, presented by group of

indicators  $\Gamma$  – 6 scientific contributions, 4 scientifically applied and 11 applied. The candidate has presented a large number of scientific works in which there are original scientific and applied contributions, the formulated on the extended habilitation reference have received significant response through numerous citations in publications in the world-famous databases of scientific information Scopus and Web of Science and beyond.

Assoc. Prof. Dimitar Mihaylov Tokmakov has participated in a total of 12 scientific research projects: 9 international projects, 1 of which he was the leader and 3 national projects (funded by the Scientific Research Fund of Paisii Hilendarski University), 2 of which he was the leader.

The list of noted citations presented includes a total of 46 citations to 14 research papers, all of which are in journals indexed in Web of Science and/or Scopus. The large number of citations, 13 of which are by foreign authors, makes a very good impression and is evidence of the promotion and recognition of the candidate's scientific work and contributions. The citations are substantive and are not explicit or implicit self-citations.

Concerning the minimum national science metric requirements for the academic position of „Professor“, the candidate has: the required 50 points in Indicator „A“ of the dissertation for the PhD; 239 points in indicator „B“ – 139 % overdelivery; 306.31 points in indicator „ $\Gamma$ “ – 53 % overdelivery; 460 points in indicator „ $\Delta$ “ – 360 % overdelivery; 290 points in indicator „E“ – 93 % overdelivery. The total number of points achieved by the applicant is 1345.31, with a minimum requirement of 600 points – 124 % overdelivery. This review shows that the minimum national requirements are exceeded. According to the decision of the Faculty Council of the Faculty of Physics and Technology at Plovdiv University (Minutes No. 14/20.03.2019) there are no additional faculty requirements.

Despite the fact that the submitted publications are co-authored, there is no doubt about the personal participation and contribution of the candidate in the submitted scientific works. I have found no evidence of plagiarism.

### **3. Critical Remarks and Recommendations**

In essence, I have no critical remarks on the materials submitted by Assoc. Prof. Dimitar Mihailov Tokmakov in the competition for the academic position "Professor".

I recommend that Assoc. Prof. Dimitar Mikhailov Tokmakov continue to work with such activity in his teaching and scientific activities, to promote his scientific achievements and to attract young researchers, such as young workers, PhD students and undergraduates.

### **CONCLUSION**

The documents and materials presented by Assoc. Prof. Dimitar Mihailov Tokmakov meet all the requirements of Law for the Development of the Academic Staff in the Republic of Bulgaria

(LDASRB), the Regulations for implementation of LDASRB and the respective Regulations of Plovdiv University Paisii Hilendarski for the award of the academic position "Professor".

The applicant has submitted a sufficient number of scientific papers published since the material used in previous procedures. The applicant's works have made scientific and applied contributions which have received national and international recognition. The scientific and teaching qualifications of Assoc. Prof. Dimitar Mihailov Tokmakov are beyond doubt.

After having acquainted with the materials and scientific works presented in the competition, the analysis of their significance and the contributions contained in them I find it justifiable to give my positive opinion and to recommend to the Scientific Jury to prepare a report-proposal to the Faculty Council of the Faculty of Physics and Technology for the election of Assoc. Prof. Dimitar Mihailov Tokmakov for the academic position "Professor" at the University of Plovdiv "Paisii Hilendarski" in the field of higher education 5. Technical sciences, professional field 5.3. Communication and Computer Equipment (Automation of areas of non-material sphere - education, science).

11.04.2023

Member of the Scientific Jury: .....

*(Assoc. Prof. Dr. Radoslava Gabrova)*