

## **STATEMENT**

**in competition for an academic position**

***Associate professor***

**in professional field 1 Pedagogical, Mathematics and Informatics,**

**1.3 Pedagogy of Education in ...**

**Scientific specialty Methodology of Education in Mathematics, Informatics and  
Information Technologies (Didactic Methods)**

**For the needs of IMI-BAS announced in State Gazette No. 97 of 15.11.2024.**

The opinion was prepared by: prof. **Eugenia Petrova Kovatcheva, PhD,**  
**University of Library and Information Science and Information Technology,**  
4.6 Computer Science and Informatics, in my capacity as a member of the scientific jury  
for the competition according to OrderNº 4 / 14.01.2025 of the Director of IMI

For participation in the announced competition has submitted documents **only one**  
**candidate:** Principal Assistant Dr. Georgi Stamov Gachev at IMI-BAS

### **I. General description of the submitted materials**

#### **1. Application details**

The documents submitted by the candidate in the competition comply with the requirements of the Law on Research Degrees and Academic Positions at IMRI-BAS Positions at IMRI-BAS and the Regulations on the Conditions and Procedures for the Acquisition of Research Degrees and Academic .

For participation in the competition the candidate Dr. Gachev has submitted a list of 8 titles in total, in Scopus and WoS and 14 in non-refereed, 2 textbooks. Habilitation thesis, 6 articles with citations in Scopus and WoS and 13 other citations have been submitted. Georgi Gachev has participated 7 national educational projects, 5 international and has led one national project.

#### **2. Details of the applicant**

Dr. Gachev's academic career began in 2002 at the Department of Information Technology of Sofia University. Kliment Ohridski. In 2010 he obtained a PhD.

Participated in projects under the 6th and 7th Framework Programmes of the European Commission, built a network infrastructure of Internet Access Centres in 2001, where he created some of the first teaching materials for Internet use.

Dr. Gachev's first education was chemistry. He skillfully combined mathematical, technological and chemical solutions. One of the contributions of his monograph is precisely the connection between chemistry and mathematics - creating a new way of balancing chemical equations by the *Graph Method* - solving systems of linear equations.

### **3. General description of the candidate's scientific works and achievements**

The candidate has worked extensively on an international WebLabs project, where he is developing a new e-learning infrastructure and a new way of communicating between the youngest researchers in the project. They created a language to share their solutions.

The scientific works meet the minimum national requirements (under Article 2b, Paragraphs 2 and 3 of the Law on Research and Development) and, respectively, the additional requirements of the Bulgarian Academy of Sciences for the position of Associate Professor in the scientific field and professional field of the competition.

The scientific works presented by the candidate do not repeat those from previous procedures for obtaining a scientific title and academic position.

No plagiarism has been proven in the scientific works submitted to the competition.

### **4. Characteristics and evaluation of the candidate's teaching activity**

I have known Georgi since 2001-2002. We have worked together in the Department of Information Technologies at the Faculty of Information Technologies at Sofia University.

I have direct observations from his work with learners in different age groups. His ability to engage children and students in the learning process and research is enviable.

### **5. A substantive analysis of the candidate's scientific and applied achievements contained in the competition submissions**

As mentioned above, the candidate's submitted research papers meet the minimum requirements for the academic position of *Associate Professor*.

The classification presented by the candidate: Pedagogical research and didactic models, research and development of new technologies in education, applied mathematics and informatics, and development of software products with an educational focus I would divide it as:

- **Scientific:** *Pedagogical research and didactic models and*
- **Scientific and applied:** *research and development of new technologies in education, applied mathematics and informatics, development of educational software products*

### **6. Critical comments and recommendations**

My only comment is that George should have entered a similar competition years ago.

## 7. Personal impressions of the candidate

I have known Georgi Gachev since 2001-2002 when he started working at Public Computer and Communication Centers. We also have several joint articles, but more than 10 years ago. It is a pleasure to work with him

## 8. Conclusion on the application

Having read the materials and scientific works submitted in the competition and based on the analysis of their significance and scientific and applied contributions contained therein, **I confirm** that the scientific achievements comply with the requirements of the Law on Scientific Research, the Regulations for its application and the relevant Regulations of IMR-BAS for the candidate to hold the academic position of *associate professor* in the scientific field and professional field of the competition. In particular, the candidate meets the minimum national requirements in the professional field and no plagiarism has been found in the scientific works submitted for the competition.

I give my **positive** assessment of the application.

## II. GENERAL CONCLUSION

On the basis of the above, **I recommend** the scientific jury to propose to the competent body for the selection of IMI-BAS to elect Dr. Georgi Gachev to take the academic position of *Associate Professor* in the professional field 1 Pedagogical Sciences, Mathematics and Informatics, PH1.3 *Pedagogy of Education in ...* Scientific speciality Methodology of Education in Mathematics, Informatics and Information Technologies (Didactic Methods)

24 February 2025.

Prepared the opinion:

Prof. Dr. Eugenia Kovatcheva