

STATEMENT REPORT

under the procedure for acquisition of the educational and scientific degree “Doctor”

by candidate Iliana Ivanova Tsvetkova

of the PhD Thesis entitled: “The extracurricular work in mathematics in the primary school stage – an important factor for discovering and developing mathematical talent ”,

In the Scientific field: **1. Pedagogical Sciences**

Professional field: **1.3. Pedagogy of the teaching of mathematics...**

Doctoral program “Teaching methodology in mathematics and informatics”,

Department „Education in mathematics and informatics”,

Faculty of Mathematics and Informatics (FMI), Sofia University “St. Kl. Ohridski” (SU),

The statement report has been prepared by: Professor (retired) DSc Jordan Borissov Tabov as a member of the scientific jury for the defense of this PhD thesis according to Order № ПД-38-677 / 22.12.2023. of the Rector of the Sofia University.

1. General characteristics of the dissertation thesis and the presented materials

The submitted dissertation: contains 82 pages and consists of an introduction, 5 chapters, conclusion, bibliography, list of publications, declaration, report and 3 appendices.

2. Short CV and personal impressions of the candidate

Iliana Tsvetkova graduated from SU "St. Kliment Ohridski" and then for more than 30 years she was and is a teacher at SMG - one of the most elite mathematics high schools in Bulgaria. There she had the opportunity to gain a wealth of experience working with outstanding students; parallel to this, she attended a number of courses to improve her qualifications in Bulgaria and abroad, for which she received awards. Thanks to this, she had the opportunity to observe and experiment on the subject of her dissertation research.

3. Content analysis of the scientific and applied achievements of the candidate, contained in the presented PhD thesis and the publications to it, included in the procedure

On pages 65 and 66 of the dissertation, 8 scientific and scientific-applied transfers of the candidate are presented; I agree with them, and in my opinion contributions 5, 7 and 8 deserve a high rating. The conclusions on page 66 confirm the preliminary hypothesis that the early detection and development of talented students is a prerequisite for their success.

4. Approbation of the results

The presented dissertation is based on 21 publications described on page 70 of the dissertation. Among them, the last 4 stand out, one of which is in a compendium referenced in WoS and Scopus.

a) The scientific works meet the minimum national requirements (according to Article 2b, paragraphs 2 and 3 of the RSARB) and, accordingly, the additional requirements of the SU "St. Kliment Ohridski" for the acquisition of an educational and scientific degree "doctor" in the scientific field and professional direction of the procedure;

b) The results presented by the candidate in the dissertation work and related scientific works do not repeat those from previous procedures for acquiring a scientific title and academic position;

c) There is no proven plagiarism in the submitted dissertation and scientific works under this procedure.

5. Qualities of the abstract

The abstract meets all the requirements for its preparation and correctly presents the results and content of the dissertation work.

6. Critical notes and recommendations

I recommend Iliana Tsvetkova to continue her work on the topic of the dissertation with new research and publications.

7. Conclusion

Having familiarized myself with the dissertation work presented in the procedure and the scientific works accompanying it and based on the analysis of their significance and the scientific and applied scientific contributions contained in them, I confirm that the presented dissertation work and the scientific publications to it, as well as the quality and the originality of the results and achievements presented in them, meet the requirements of ZRASRB, the Regulations for its application and the relevant Regulations of SU "St. Kliment Ohridski" for the candidate's acquisition of the educational and scientific degree "Doctor" in the scientific field of Pedagogical Sciences and the professional field of Mathematics Pedagogy. In particular, the candidate satisfies the minimum national requirements in the professional direction and no plagiarism has been found in the scientific works submitted for the competition.

Based on the above, I recommend the scientific jury to award Iliana Ivanova Tsvetkova an educational and scientific degree "doctor" in scientific field 1. Pedagogical sciences, professional direction 1.3. Pedagogy of the teaching of mathematics.

Date: 15.02.2024

Signature:

/Jordan Borisov Tabov Professor (retired) DSc/

Note:

The Statement Report must be prepared in Bulgarian and English and is in the recommended volume of 3 - 4 standard printed pages.

The Statement Report shall be submitted within the statutory term to the administrative secretary of the competition in electronic form and in two signed copies on paper, sealed in an envelope.