



REVIEW

by Prof. Radoslav Ivanov Penev

member of the jury, appointed by order № RD 38-176 / 6.04.2021 of the Rector
of Sofia University „St. Kliment Ohridski”

for conducting a competition for **associate professor** in

field of higher education: 1. Pedagogical sciences

by professional field 1.2 Pedagogy (Preschool pedagogy - pedagogy of
mathematics in preschool age)

Faculty of educational studies and the arts

Department: "Preschool and media pedagogy"

announced in SG, no. 22 / 16.03.2021

1. Procedure for admission of the candidate for participation.

In the competition in professional field 1.2. Pedagogy (Preschool pedagogy - pedagogy of mathematics in preschool age) participates one candidate - **Ch. Assistant Professor Dr. Galina Georgieva Georgieva.**

There are no violations regarding the procedure for admitting the candidate to the competition, the commission for review of the documents, appointed by order of the Rector of Sofia University RD 38-178 / 06.05.2021, has made the right decision for participation of the candidate in the competition.

There are no violations regarding the requirements of the Regulations for the terms and conditions for acquiring scientific degrees and holding academic positions at Sofia University „St. Kl. Ohridski” regarding the assessment of the candidate under Art. 112, para 1, according to the fulfillment of the conditions under Art. 105, para. 1 and in accordance with the results of the inquiries under Art. 107, para. 1, items 12-14, arising from LDASRB, art. 21, para 1 and the Regulations for application of LDASRB, art. 51, para 1 and art. 54.

In accordance with the admission procedure, there is also a protocol № 1 / 21.05.2021 from the first meeting of the scientific jury.

This means that the candidate Ch. Assistant Professor Dr. Galina Georgieva Georgieva meets the conditions for eligibility to participate in the competition.

2. Justification of the criteria for selection of the candidate.

Leading for the evaluation of the candidate are the wording of the competition in the code and the derived scientific specialty, as well as the Regulations for the terms and conditions for acquiring scientific degrees and holding academic positions at Sofia University "St. Kl. Ohridski "(in accordance with the LDASRB and the Regulations for application of the LDASRB) under Art. 112, para 1 and according to the fulfillment of the conditions under Art. 105, para. 1 and in accordance with the results of the inquiries under Art. 107, para. 1, pp. 12-14.

3. Criteria for evaluation of the candidate.

3.1. Education and professional realization.

In 2007 Ch. Assistant Professor Dr. Galina Georgieva acquired ECD „Bachelor“ specialty Preschool pedagogy and foreign language (German language) and in 2011 she acquired ECD „Master“ in FESA (FPPP) Sofia University "Kliment Ohridski", master's program "Pedagogy of mass and artistic

communication" with a thesis on "Universal virtues in folklore festivals, transformed through constructive and technical activities".

In 2015 she acquired ASD "Doctor" in professional field 1.2 Pedagogy (Preschool pedagogy). The topic of the dissertation is "Model for developing mathematical thinking in the constructive activity of preschool children".

Professional path in the educational system Ch. Assistant Professor Dr. Georgieva started in 2008 as a teacher in Kindergarten 56 Zdravets, Sofia, since 2011 she has been an assistant, and since 2017 she has been a chief assistant at Sofia University "St. Kliment Ohridski", FESA (FPPP), leading lectures and exercises. The positions indicated in the CV before the professional realization in the system of higher education, proving the possibilities of the candidate for effective communication with different groups of respondents, are not insignificant either.

Conclusion: In Ch. Assistant Professor Dr. Galina Georgieva has a consistent academic career in the context of the announced competition for associate professor in the professional field 1.2 Pedagogy (Preschool pedagogy - pedagogy of mathematics in preschool age).

3.2. Teaching experience of the candidate.

It is evident from the presented reference that Ch. Assistant Professor Dr. Galina Georgieva, leads lectures and exercises at FESA, Bachelor's degree in compulsory subjects "Pedagogy of mathematics in preschool age", „Pedagogy of constructive-technical and everyday activities“, "Applied techniques for creativity in kindergarten - constructive", "Internship practice", "Current pedagogical practice" and "Hospitality "and the obligatory disciplines in the ACS Master "Pedagogy of mathematics in preschool age", Pedagogy of constructive-technical and everyday activities, "Internship practice", "Current pedagogical practice", "Hospitality", "Montessori pedagogy for mastering mathematical

concepts", "Material base and financial and economic security of the kindergarten", "Budget management and socio-professional development" in the master's programs" Preschool pedagogy (for graduates of other specialties), "Preschool pedagogy (for graduates of pedagogical specialties and specialties with teacher qualification)", "Management of preschool education", „Montessori pedagogy in the digital society” and “Educational sciences and intercultural education (in English)”.

As references, I note that the candidate is the head of the master's program "Preschool pedagogy (for graduates of other specialties), scientific secretary of the Department of" Preschool and Media Pedagogy "and a lecturer in postgraduate courses organized by FESA. There is also participation in projects under the Operational Program "Human Resources Development" and projects under NIS, FESA / FPPP. She has a certificate of completed English language training for the level reached under the Common European Framework of Reference for Languages under the project "Capacity Development of Postgraduates, Postdoctoral Fellows and Young Scientists for Teaching Academic Courses in Foreign Languages with Modern Methods and Information Computer Technologies".

Conclusion: Chief Assistant Dr. Galina Georgieva is a lecturer who implements an effective educational process for the training and career development of future teachers, which is evident from the specifics of the main disciplines, which are in the profile of the competition, and from the feedback from students. teachers.

3.3. Publication activity of the candidate.

The candidate participates in the competition with scientific production, which is in the profile of the announced competition, meets the minimum national requirements under Art. 2b, para. 2 and 3 of LDASRB, in accordance with Art. 24, para 1 of the same law.

In structural terms, the scientific production of Ch. Assistant Professor Dr. Galina Georgieva includes 38 publications, of which 2 monographs, 2 studies in the Yearbook of Sofia University, FESA, 25 articles and reports in scientific journals and collections, 4 textbooks for teachers and 5 textbooks for children. About 30 of them are independent, and the rest - in co-authorship. She participated in the competition with 13 publications, of which 2 monographs, 1 study in the Yearbook of Sofia University, FESA and 10 articles and reports in journals and collections, two of which in English.

There are 1 citations and 2 indexed publications in the Web of Science, 9 citations established by the author in the traditional way, 4 indexed publications and 50 publications reflected in library catalogs.

In terms of content, the defining part of the publications of Ch. Assistant Professor Galina Georgieva is on the wording of the competition with main emphasis on the development of mathematical competence in preschool children as a theoretical problem and practical application by stimulating mathematical thinking in the context of experimental forms and situations.

In the monograph "Mathematical competence in preschool age" the object of attention and interpretation are the problematic moments in the process of teaching mathematics in kindergarten and the possibilities for gradual development of mathematical competence in children. In this regard, the author presents a theoretical-experimental model for the development of mathematical competence in preschool with the help of interactive display and manipulation of various constructive material that proves its effectiveness and the qualities of the candidate in theoretical and practical aspects.

The subject of the monograph "Mathematics in children's thinking" is the stimulation and development of mathematical concepts of preschool children, in particular the formation of numerical concepts in the integrative context of the educational areas "Mathematics" and "Design and Technology". The educational

model presented and realized by the author proves its effectiveness in building knowledge, skills and attitudes, developing mathematical thinking and solving problem situations in 5-7-year-old children in certain constructive activities.

The main accents in the studies, articles and reports presented for participation in the competition focus globally on the competence approach as a topical tool for stimulating mathematical knowledge, skills and ideas of preschool children, the role of play in the educational process of mathematics in kindergarten, strategies for developing a sense of numbers in children, analysis of program documentation and educational products in the education of preschool children in Bulgaria in mathematics, and in practice - on the interactive whiteboard as an innovative tool for pedagogical interaction in kindergartens, subitization as a means of developing numerical competencies, forming addition and subtraction strategies.

Ch. Assistant Professor Dr. Galina Georgieva covers and exceeds the scientometric indicators related to the minimum national requirements for participation in the competition, group A - 50 points, group B - 100 points, group D - 240 points, group D - 85 points, total - 475 points.

It is not unimportant that Ch. Assistant Professor Dr. Galina Georgieva was certified in 2021 with a final positive assessment by the attestation commission of FESA, because some of the indicators are covered by the points in this review.

Conclusion: In structural terms, the candidate Ch. Assistant Professor Galina Georgieva meets the minimum national requirements under Art. 26 of LDASRB for scientific field 1. Pedagogical sciences for holding the academic position "associate professor". In terms of content, the publications have scientific merits and are on the topic of the competition.

3.4. Scientific contributions of the candidate.

I accept and agree with the contributions made by the candidate.

In summary, they can be summarized as follows:

Contributions in theoretical terms.

- The phenomenon of "mathematical competence in preschool age" is analyzed and conceptually substantiated in the context of the acquisition of key competences and attitudes for lifelong learning, from early childhood.

- There are methodological parameters and guidelines for stimulating the visual and figurative-logical thinking of children in preschool age as prerequisites for the emergence and development of verbal-logical thinking.

Contributions in practical-applied and experimental plan.

- There is a tested author's model for stimulating mathematical competence in preschool children with the help of an interactive display and manipulation of various constructive material.

- There is a tested author's experimental model related to the mastery of quantitative notions of sets, size, numbers, spatial notions, notions of geometric shapes and forms, notions of measurement and data analysis.

- There are practical and applied projections, presenting innovative tools for the development of numerical competencies in preschool children, the formation of strategies for addition and subtraction.

- Curricula have been developed in the disciplines "Pedagogy of mathematics in preschool age", "Applied techniques for children's creativity in kindergarten - constructive" and "Internship in kindergarten" for students in Bachelor's degree and "Pedagogy of mathematics in preschool age" , "Pedagogy of Mathematical Culture - Educational Models and Innovations" and "Internship" for students in ACS Master.

- There is academic professionalism in working with students and graduates as a teacher and mentor.

Conclusion: The candidate Ch. Assistant Professor Galina Georgieva has contributions in scientific and practical-applied terms in the field of mastering mathematical competence by preschool children.

Question to the candidate.

How will you analyze in theoretical and practical terms the relationship between mathematical competence and socio-emotional development in preschool?

Conclusion and proposal for selection in the competition

- The candidate in this competition meets the requirements of LDASRB, the Regulations for its implementation, the minimum national requirements and the additional requirements of Sofia University „St. Kliment Ohridski” from the Regulations for the conditions and the order for acquiring scientific degrees and holding academic positions in Sofia University „St. Kliment Ohridski”.

This gives me reason to confidently propose to the members of the esteemed Scientific Jury to prepare a report-proposal to the Faculty Council of FESA at Sofia University „St. Kliment Ohridski” **for awarding the academic position „Associate Professor” in the field of higher education: 1. Pedagogical sciences, Professional field 1.2. Pedagogy (Preschool pedagogy - pedagogy of mathematics in preschool age) of Ch. Assistant Professor Dr. Galina Georgieva Georgieva, for the needs of Sofia University „St. Kliment Ohridski”.**

Date: 16.06. 2021

Member of the scientific jury:

(Prof. Radoslav Penev)