Report

by Dr. Georgi Hristov Georgiev,

professor at Shumen University "Bishop Konstantin Preslavski" of

the materials submitted for participation in the competition to occupy the academic position of "associate professor" of Plovdiv University "Paisiy Hilendarski" by:

field of higher education. 4. Natural sciences, mathematics and informatics professional direction. 4.5. Mathematics ("Geometry and Topology") In the competition for "docent", announced in the State Gazette. State Gazette, no. 96 of 17.11.2023

and onthe website of Paisii Hilendarski University of Plovdiv (PU) for the needs of the Department of Algebra and Geometry at the Faculty of Mathematics and Informatics as a candidate

Ch. Assistant Professor Iva Rumenova Dokuzova, Ph.D from

the Algebra and Geometry Department, Faculty of Mathematics and Informatics of the PU.

1. General presentation of the procedure and the candidate.

The set of electronic and paper materials presented by Dr. Dokuzova is in accordance with the Rules for the Development of the Academic Staff of the PU (PRASPU) and includes the following documents: 1. application form to the rector for admission to participate in the competition; 2. curriculum vitae in European format; 3. a higher education diploma with an acquired educational qualification Master's degree - original with attachment or notarized copy; 4. diploma for educational and scientific degree "doctor" - original or notarized verified copy; 5. list of scientific and educational works; 6. scientific and educational works (monograph, publications and textbooks); 6.1 list of citations; 7. a) certificate of compliance with the minimum national requirements; b) certificate of compliance with additional faculty requirements; 8. annotations of the materials under Art. 65. from PRASPU (in Bulgarian and English); 9. self-assessment of contributions (in Bulgarian and English); 10. declaration of originality and authenticity of the attached documents; 11. certificate of work experience; 12. documents for academic work; 13. documents for research work; 13 a) official note from NPD - PU "Paisiy Hilendarski"; 14.

documents for administrative work; 15. set of documents on paper from item 1 to item 14 – 2 pieces; 16. set of documents from items 1, 2, 4, 5, 7, 8, 9, 12, 13 and 14 on electronic media - 2 count. Candidate Dr. Iva Dokuzova submitted a total of 18 scientific works, of which 15 articles, 1 monograph and 2 textbooks and teaching aids.

Brief biographical data Iva Do Kuzova was born on January 12, 1971 in the city of Sofia. He received his secondary education in 1989 in the city of Plovdiv. In the same year, the studies at the PU also began. He graduated from the FMI of the PU in 1994; with a Master's qualification (mathematician, teacher of mathematics and informatics). In 2006, Prze obtained a PhD in "Geometry and Topology" from the National Academy of Sciences. The topic of the dissertation is ч On the geometry of almost complex manifolds with Norden metric and Riemannian manifolds with almost product structure'. Since 1996. until now, he worked at PU in the positions of assistant, senior assistant and chief assistant. I know Иl. Dokuzova from regular and participation in international conferences on Geometry and applications in the first year 2009-2019. The papers presented by her are related to the subject of her scientific activity: Differentiable manifolds with additional tensor structures.

2. General characteristics of the applicant's activity

Assessment of educational and pedagogical activity Dr. Dokuzova has extensive teaching experience. She led exercises in mathematics at the Branch of the Polytechnic University in the town of Karzhali. For many years, she led lectures and exercises with students from Plovdiv University "Paisiy Hilendarski" and Medical University - Plovdiv. Under her supervision, one bachelor's and one master's theses were defended. She also participates in the accreditation commission at the FMI of the "Paisiy Hilendarski" PU, commissions for the development and adaptation of the curricula at the "Algebra and Geometry" department. A very good assessment of educational and pedagogical activity is contributed by the large number of electronic educational materials provided, as well as the two textbooks issued by: UI of PU 1) guide for solving tasks in higher mathematics", written together with D. Doncheva and 2) "Mathematical fundamentals of computer graphics", self-written textbook. Evaluation of the candidate's scientific and scientific-applied activity As stated at the beginning, the main problem in the presented works is related to the study of Differentiable manifolds with additional tensor structures. The candidate has classified the articles by topic. Special attention is paid to three-dimensional, four-dimensional and almost Einstein manifolds. Detailed references show unequivocally that the applicant meets all the conditions of correspond to the minimum national

and additional requirements of the Faculty of Mathematics and Informatics adopted in connection with the Regulations of the PU for the application of ZRASRB.

CONCLUSION

The documents and materials presented by chap. Assistant Professor Iva Rumenova Dokuzova, Ph.D meet all the requirements (of the Law on the Development of the Academic Staff in the Republic of Bulgaria (ZRASRB), the Regulations for the Implementation of ZRASRB and the relevant Rulesa the relevant Regulations of the PU "Paisiy Hilendarski". The candidate in the competition has submitted a sufficient number of scientific works   after the materials used in the defense of the ONS "Doctor".. The candidate's works have original scientific and applied contributions that have received international recognition as a representative part of them have been published in journals and scientific collections published by international academic publishing houses. The theoretical developments have practical applicability, and some of them are directly oriented to the academic work. The scientific and teaching qualifications of . Ch. Assistant Professor Iva Rumenova Dokuzova is unquestionable. The achieved ch. Assistant Professor Iva Rumenova Dokuzova's academic and research results fully correspond to the minimum national and additional requirements of the Faculty of Mathematics and Informatics adopted in connection with the Regulations of the PU for the application of ZRASRB. After getting acquainted with the materials and scientific works presented in the competition, analyzing their significance and the scientific, scientific-applied and applied contributions contained in them, I find it reasonable to give my positive assessment and recommend the Scientific Jury to prepare a report-proposal to the Faculty Council of the Faculty of Mathematics and Informatics .... for the selection of ... ch. assistant professor Iva Rumenova Dokuzova, PhD, in the academic position of "**associate professor**" at PU "Paisiy Hilendarski" in: area of higher education. 4. Natural sciences, mathematics and informatics professional direction. 4.5. Mathematics ("Geometry and Topology") ......

04.02.2024.   Prepared the report: ....(signature)

Prof. Dr. Georgi Georgiev