



**RESOLUTION
OF THE SENATE
OF VILNIUS UNIVERSITY**

**ON THE SUBMISSION OF RESEARCH PAPERS
TO THE 2022 COMPETITIONS FOR THE NOMINAL PRIZES OF THE LITHUANIAN
ACADEMY OF SCIENCES**

In accordance with Article 33(1)(32) of the Statute of Vilnius University, Item 5 of the Regulations of the Competitions for the Nominal Prizes Organised by the Lithuanian Academy of Sciences, approved by Resolution of the Presidium of the Lithuanian Academy of Sciences No. 28 of 28 September 2010 (as subsequently amended), and taking into account the motives laid down in the minutes of the meeting of the Council of the Faculty of Philology of Vilnius University of 21 November 2022 (Minutes No. (1.2 E) 180000-TP-16), minutes of the meeting of the Council of the Faculty of Physics of Vilnius University of 18 November 2022 (Minutes No. 120000-TP-13), and minutes of the meeting of the Council of the Faculty of Mathematics and Informatics of Vilnius University of 18 November 2022 (Minutes No. (1.5 E) 110000-TPN-33), as well as Resolution of the Research Affairs Committee of the Senate of Vilnius University of 28 November 2022 (Minutes No. 2022-11-28 (1.9 E) 11500-KT-453), the Senate of Vilnius University hereby decides:

to submit the following research papers to the 2022 competitions for the nominal prizes of the Lithuanian Academy of Sciences:

1. to submit a research paper series ‘Ideology and Narrative’ (in Lithuanian, *Ideologija ir naratyvas*) by Nijolė Keršytė, Associate Professor at the A.J. Greimas Centre for Semiotics and the Theory of Literature of the Faculty of Philology of Vilnius University, to the competition for the nominal prize of Justinas Marcinkevičius (literature);

2. to submit a research paper series ‘Phase Transitions and Dipolar Dynamics in Innovative Functional Materials’ (in Lithuanian, *Faziniai virsmai ir dipolių dinamika inovatyviose funkcinėse medžiagose*) by Mantas Šimėnas, Associate Professor at the Institute of Applied Electrodynamics and Telecommunications of the Faculty of Physics of Vilnius University, to the competition for the nominal prize of Povilas Brazdžiūnas (experimental physics);

3. To submit the following research paper series to the competition for the nominal prize of Jonas Kubilius (mathematics):

3.1. a research paper cycle ‘Approximation by Zeta Functions and Polynomials’ (in Lithuanian, *Aproksimavimai dzeta funkcijomis ir Polinomais*) by Dr (HP) Artūras Dubickas, Prof. Dr Ramūnas Garunkštis and Dr (HP) Antanas Laurinčikas of the Institute of Mathematics of the Faculty of Mathematics and Informatics of Vilnius University;

3.2. a research paper cycle ‘Analysis of Boundary Problems with Non-Local Boundary Conditions and Numerical Solution Methods’ (in Lithuanian, *Kraštinių uždavinių su nelokaliosiomis kraštinėmis sąlygomis analizė ir skaitiniai sprendimo metodai*) by Prof. Dr (HP) Mifodijus Sapagovas of the Institute of Data Science and Digital Technologies of the Faculty of Mathematics and Informatics of Vilnius University, and Prof. Dr Olga Štikonienė and Prof. Dr Artūras Štikonas of the Institute of Applied Mathematics of the Faculty of Mathematics and Informatics of Vilnius University.