



**RESOLUTION  
OF THE SENATE  
OF VILNIUS UNIVERSITY**

**ON THE SUBMISSION OF RESEARCH PAPERS TO THE 2021 COMPETITIONS FOR  
THE NAMED 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 Named Prizes Organised by the Lithuanian Academy of Sciences, approved by Resolution of the Presidium of the Lithuanian Academy of Sciences of 28 September 2010 (as subsequently amended) and taking into account Resolution of the Research Affairs Committee of the Senate of Vilnius University of 9 November 2021 (Minutes No. (1.9 E) 11500-KT-166, the Senate of Vilnius University hereby decides:

To submit the following research papers to the 2021 competitions for the named prizes of the Lithuanian Academy of Sciences:

1. To the competition for the prize named after Kazimieras Būga (linguistics), to submit a research paper series 'Research on Baltic Languages and Promotion of Baltic Studies' (in Lithuanian, *Baltų kalbų tyrimai ir baltistikos sklaida*) by Dr Bonifacas Stundžia, Professor at the Faculty of Philology;

2. To the competition for the prize named after Juozas Matulis (chemistry), to submit:

2.1. A research paper 'Research on Biocatalytic Electrochemical Transformations of Organic Compounds and Oxygen' (in Lithuanian, *Organinių junginių ir deguonies biokatalizinių elektrocheminių virsmų tyrimas*) by Dr Marius Dagys, Prof. Dr (full HP) Juozas Kulys and Dr Dalius Ratautas of the Life Sciences Center;

2.2. A research paper series 'Creation of Functional Heterocyclic Organic Materials, Development of Synthesis Methods, Analysis of Properties and Application' (in Lithuanian, *Funkcinių heterociklinių organinių medžiagų kūrimas, sintezės metodų vystymas, savybių tyrimas ir taikymas*) by Prof. Dr (full HP) Sigitas Tumkevičius of the Faculty of Chemistry and Geosciences;

3. To the competition for the prize named after Adolfas Jucys (theoretical physics), to submit:

3.1. A research paper series 'Second Quantization and Additional Symmetries in Atomic Physics: Theory and Practical Application' (1996–2021) (in Lithuanian, *Antrinis kvantavimas ir papildomos simetrijos atomo fizikoje: teorija ir praktinis pritaikymas*) by Dr (full HP) Gediminas Gaigalas, Dr Pavel Rynkun and Dr Laima Radžiūtė at the Faculty of Physics;

3.2. A research paper series 'Symmetries in Multi-particle Systems' (in Lithuanian, *Simetrijos daugiadalelėse sistemose*) by Dr Vidas Regelskis of the Faculty of Physics;

3.3. A research paper series 'Theory and Modeling of Electronic-Vibrational Resonances in Molecules' (in Lithuanian, *Elektroninių-virpesinių rezonansų molekulėse teorija ir modeliavimas*) by Dr Darius Abramavičius, Professor at the Faculty of Physics;

4. To the competition for the prize named after Kazimieras Baršauskas (electronics and electrical engineering), to submit a research paper series 'Terahertz Electronics: Application of Plasma Waves to the Operation of Semiconductor Devices Above Limiting Frequencies' (in Lithuanian, *Terahercų elektronika: plazminių bangų pritaikymas puslaidininkinių įtaisų veikimui virš ribinių dažnių*) by Prof. Dr Alvydas Lisauskas and Dr Kęstutis Ikamas of the Faculty of Physics.