

## Notification

At Non-profit limited company «Karaganda national research university named after academician Ye.A. Buketov» will defend a dissertation for the degree of Doctor of Philosophy (PhD) by **Mussatayeva Assem Bolatbekovna** on the topic: «**Parameterization of cosmological parameters and observational constraints of dark energy and modified gravity models**» («**Космологиялық параметрлерін параметрлеу және күңгірт энергия мен модификацияланған гравитация модельдеріне бақылау шектеулері**») according to the specialty 6D060400 - Physics.

The dissertation was completed at the General and Theoretical Physics of the NJSC Eurasian National University named after L.N. Gumilyov.

Language of protection: **Kazakh**.

### **Official reviewers:**

1. Beisen Nurzada Abdibekkyzy – Dean of the Faculty of Physics and Technology at Al-Farabi Kazakh National University, Candidate of Physical and Mathematical Sciences, Professor, Almaty, Kazakhstan;

2. Shomsheikova Saule Akhmetbekovna – Doctor of Philosophy (PhD), Leading Researcher at the V.G.Fesenkov Astrophysical Institute, Almaty, Kazakhstan.

### **Scientific Advisors:**

Myrzakulov Nurgisa Ansatbayevich – Doctor of Philosophy (PhD), Professor of the Department of General and Theoretical Physics at L.N.Gumilyov Eurasian National University, Astana, Kazakhstan.

Singleton Douglas – Doctor of Philosophy (PhD), Professor at California State University, Fresno, USA.

### **Permanent Members of the Dissertation Council:**

1. Serikov Timur Maratovich - Doctor of Philosophy (PhD) in specialty 6D060400 – Physics, Associate Professor, Professor at Karaganda national research university named after Academician E.A. Buketov.

2. Aymukhanov Aitbek Kalievich - Candidate of Physical and Mathematical Sciences (01.04.07 - Physics), Professor, Research Professor at Karaganda national research university named after Academician E.A. Buketov.

3. Kudryashov Vladislav Vladimirovich – Doctor of Philosophy (PhD) in 6D071000 – Materials Science and Technology of New Materials, Senior Researcher at the Private Institution "National Laboratory Astana", Nazarbayev University.

4. Alpysova Gulnur Kenzhebekovna - Doctor of Philosophy (PhD) in specialty 6D072300 - Technical Physics, Associate Professor at Karaganda national research university named after E.A. Buketov.

### **Temporary Members of the Dissertation Council:**

1. Shukirgaliev Bekdaulet Temirbolatovich – Doctor of Philosophy (PhD), Lecturer at the Department of Physics, School of Natural, Social and Human Sciences, Nazarbayev University, Astana, Kazakhstan.

2. Tursunov Arman Altaevich – Doctor of Physical and Mathematical Sciences, Professor, Max Planck Institute for Radio Astronomy, Bonn, Germany.

3. Agishev Aldiyar Talgatovich – Doctor of Philosophy (PhD), Associate Professor, Research Lecturer at the Department of Electronics and Astrophysics, Al-Farabi Kazakh National University.

The defense will take place on **December 24, 2025, at 16:00**, at non-profit limited company «Karaganda national research university named after academician Ye.A. Buketov».

Address: 100026, Karaganda, 28 Universitetskaya Street, Building 1, Room 1.

Link to the conference: [https://teams.microsoft.com/l/meetup-join/19%3ameeting\\_ZTNhYzBmNTktYmFhMy00MzY2LWE3MjQtZTYyNjRlZWM0Yzdk%40thread.v2/0?context=%7b%22Tid%22%3a%220a454519-0ba8-4a0f-ad07-44d17ea7d7ac%22%2c%22Oid%22%3a%2254f2edf6-318e-4a40-95ef-aaa4900903c5%22%7d](https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZTNhYzBmNTktYmFhMy00MzY2LWE3MjQtZTYyNjRlZWM0Yzdk%40thread.v2/0?context=%7b%22Tid%22%3a%220a454519-0ba8-4a0f-ad07-44d17ea7d7ac%22%2c%22Oid%22%3a%2254f2edf6-318e-4a40-95ef-aaa4900903c5%22%7d)

*Prepared by:  
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