



Name: Sabdenov Kanysh

Date of Birth: 24.11.1964 г.

Marital status: married

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Professional experience:

1982-2001 Tomsk State University, Faculty of Physics and Technology, Tomsk, Russia

2001-2009 Tomsk Polytechnic University, Faculty of Physics and Technology, Tomsk, Russia

2009 to 2016 - Visiting Professor of the Department of Space Engineering and Technology, L.N. Gumilyov ENU,

2016 to 2018 - visiting professor of the department "Physics" of M. Kozybaev NKSU.

2018-2022 - acting professor of the department "Heat power engineering" ENU. L.N. Gumilyov,

From 2023 to the present - acting Professor of the Department "Electric Power Engineering" of the ENU L.N. Gumilyov.

Awards:

Three times he was awarded the scholarship of the President of the Russian Federation (from 1996 to 1999);

Three times he received a scholarship from the George Soros Foundation (from 1996 to 1999);

Laureate of the Tomsk Region Administration Prize in the field of science and education (1998);

Laureate of the Tomsk Administration Prize, 2000;

Laureate of the Tomsk State University Prize (1996);

Laureate of the award and winner of the competition of the Tomsk Polytechnic University (2008) in the nomination "Scientist of the Year".

Education, academic degree and title, scientific school:

(1982–1999) Tomsk State University, Faculty of Physics and Technology, Tomsk, Russia 1996, specialty "Ballistics".

Postgraduate studies: Tomsk State University, Faculty of Physics and Technology, Tomsk, Russia, 1999, specialty "Mechanics of liquid, gas and plasma".

Doctorate: Tomsk Polytechnic University, Faculty of Physics and Technology, Tomsk, Russia, 2007, specialty "Thermophysics and Theoretical Heat Engineering".

Academic degree: Candidate of Physical and Mathematical Sciences, 2000, KT No. 010623; Doctor of Physical and Mathematical Sciences, 2008, DDN No. 007915; Doctor PhD (RK, 20.12.2019, pr. No. 820)

Refresher courses, seminars, internships:

1. Modern Education. Research Institute (Belgium, Brussels): "Teaching in times of crisis or a crisis in teaching", 2022

Publications (selected):

More than 180 articles in scientific journals and proceedings of international conferences. Of these, more than 50 articles are in peer-reviewed foreign scientific journals based on Web of Science and Scopus.

1. E. Maira and S. Arai. Glass Tube Capillary Arcs in Copper Vapor // IEEJ Transactions on Power and Energy. Vol. 124, No. 2. 2004.

2. E. Maira and S. Arai. Glass Tube Capillary Arcs in Copper Vapor, International Workshop on High Voltage Engineering (IWHV 2003), Fukouka, Japan SP-03-4, HV-03-4, pp. 19~24. (2003).

3. Sabdenov K.O., and Erzada Maira. Mechanism of the negative erosion effect // Combustion, Explosion and Shock Waves. **2013**. Vol. 49. Issue 3. P. 273-282.

4. Sabdenov K.O., and Erzada Maira. Analytical calculation of burning rate of negative erosive effect // Combustion, Explosion and Shock Waves. **2013**, Vol. 49. Issue 6. P. 690-699.

5. Sabdenov K.O., Unaspekov B.A., Erzada M., and Igembaev B.A. Thermal Regime in a Building in the Presence of Mixing of Heat Carriers from Delivery and Return Pipelines // Journal of Engineering Physics and Thermophysics. **2014**. Vol. 87. No. 1. P. 75-83.

6. Сабденов К.О., Ерзада М. Математическое моделирование систем и процессов: Учебное пособие. Изд-во ЕНУ им. Л.Н. Гумилева, Астана, 2014. 250 с.

7. Sabdenov K.O., and Maira Erzada. The Equation for Prandtl's Mixing Length // Frontiers in Aerospace Engineering, 2014. Vol. 3, Issue 2. P. 50-55.

8. Sabdenov K.O., Baitasov T.M., and Maira Erzada. Optimum Control of Heat Supply of a Building. 1. Formulation of the Problem and Basic Formulas // Journal of Engineering Physics and Thermophysics. 2014. Volume 87, Issue 4. Page 839-847.

9. Sabdenov K.O., Baitasov T.M., and Maira Erzada. Optimum Control of Heat Supply of a Building. 2. Analysis and Results // Journal of Engineering Physics and Thermophysics. 2014. Volume 87, Issue 4, Page 848-854.

10. Sabdenov K.O., Johann Dueck, and Maira Erzada Limits of steady burning propellants in the phenomenological theory using effective initial temperature // Journal of Thermal Science and Technology. 2015. Vol. 10, No. 1.

11. Sabdenov K.O., and Erzada Maira. Negative Erosion Effect and the Emergence of Unstable Combustion. 1. Analysis of the Models // Combustion, Explosion, and Shock Waves, 2016. Vol. 52, Issue 1. P. 29-46.