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Professional experience:
Interdisciplinary Research Complex of the Institute of Nuclear Physics, Art. scientific collaborator (commonly), from 2008 to 2015.

From 09/01/2009 to 01/04/2023 - Associate Professor of the Department of Thermal Power Engineering,
From 01/04/2023 to the present - Associate Professor of the Department of "Electric Power" of the L.N. Gumilyov Eurasian National University.

Awards:

1. Scholarship from Japan Mombusio (1999 - 2005);

2. Scholarship of the Tokyo Foundation for the Support of New Scientific and Technical Research, 2003;

3. Niva Yasujiro Prize (1893-1975), 2005.

Education, academic degree and title, scientific school:
Bachelor's degree (1992–1996) Shinjiang Technical University (PRC), 1996, specialty "Electric power systems and automation". Diploma with honors.
Master's degree: University Tokio Denki (Japan), 2002, specialty "Electrical Engineering". Master's degree.
Doctorate: University Tokio Denki (Japan), 2005, specialty "Electrical Engineering". Topic of the dissertation: "Investigation of phenomena in metal vapors formed by high-voltage sputtering in thin capillaries" (supervisor: Professor Satoaki Arai).
Academic degree: Doctor of Engineering (Tokio Denki University, Japan, 2005),
Doctor PhD (RK, 12/20/2019, project No. 820).
Academic title: Associate Professor, pr. KKSON No. 265 of 06/24/2022

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

Languages: Chinese (Fluent), Japanese (Fluent),
English (Intermediate)

Publications (selected):
More than 60 articles in scientific journals and proceedings of international conferences. Of these, more than 17 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 Prandtls 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.