

LIST
Scientific and scientific-methodological works of the acting associate professor, PhD of the Institute of Energy
S. Seifullin Kazakh Agro-Technical Research University
Nurmaganbetova Gulim

№	Title of the Work	Published or Manuscript	Publisher, Journal (title, issue, year, page numbers)	Number of printed sheets or pages	Authors' surnames
Scientific Articles in Journals Recommended by the Authorized Body					
1	Results of dependence of stator resistance for asynchronous electric motors with a short-circuited rotor with a power of 3÷315 kW	Printed	Bulletin of S. Toraihyrov Pavlodar State University. Energy Series. No. 1 (2023). Pavlodar, 2023, pp. 242–252. ISSN 2710-3420. DOI: https://doi.org/10.48081/XHIY5411	10 pages	G. S. Nurmaganbetova, G. Zh. Asainov, Zh. R. Isaeva, Zh. S. Nurmaganbetova.
2	Indirect thermal protection of asynchronous electric motor against exceeding the maximum permissible heating temperature value	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2023, No. 1 (90), pp. 399–404. ISSN 1609-1825 (Print). DOI: 10.52209/1609-1825 2023 1 399	5 pages	Nurmaganbetova G., Issenov S., Kalinin A., Issayeva Zh.
3	Development of a special-design wind power device for remote agricultural facilities	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2023, No. 3 (92), pp. 489–494. ISSN 1609-1825 (Print), ISSN 2710-3382 (Online). DOI: 10.52209/1609-1825 2023 3 489.	5 pages	M. B. Koshumbaev, K. V. Khatsevsky, S. S. Issenov, G. S. Nurmaganbetova, R. M. Iskakov.
4	System for monitoring and predicting the onset of icing on structural elements of high-voltage overhead power transmission lines	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2023, No. 4 (93), pp. 378–385. ISSN 1609-1825 (Print), ISSN 2710-3382 (Online). DOI: 10.52209/1609-1825 2023 4 378.	7 pages	G. S. Nurmaganbetova, V. V. Kaverin, G. A. Em, V. V. Likhachev, K. Zh. Akhmetkalieva

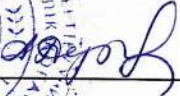
Соискатель: Нурмаганбетова Г.С. 

Ученый секретарь: Дерипса Алдина Т.М. 



5	Application of the vortex effect to improve the efficiency of a wind turbine	Printed	Bulletin of Toraighyrov University. Energy Series. No. 4, 2023, pp. 188–199. ISSN 2710-3420. DOI: https://doi.org/10.48081/JFEI7882	11 pages	M. B. Koshumbaev, S. S. Issenov, G. S. Nurmaganbetova , R. M. Iskakov, M. A. Auelbek
6	On the future use of wind generator installations in Kazakhstan	Printed	Bulletin of Toraighyrov University. Energy Series. No. 1, 2024, pp. 206–220. ISSN 2710-3420. DOI: https://doi.org/10.48081/MNHN6637	14 pages	G. S. Nurmaganbetova , V. V. Kaverin, S. S. Issenov, G. G. Tatkeeva, G. A. Em
7	Indirect determination of the active resistance and temperature of the stator winding of an asynchronous generator	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2024, No. 2 (95), pp. 488–495. ISSN 1609-1825 (Print), ISSN 2710-3382 (Online). DOI: 10.52209/1609-1825_2024_2_488.	7 pages	G. S. Nurmaganbetova , V. V. Kaverin, S. M. Stazhkov, G. A. Em, G. S. Nurmaganbetova
8	Development and study of a wind turbine with two counter-rotating wind rotors	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2024, No. 3 (96), pp. 367–372. ISSN 1609-1825 (Print), ISSN 2710-3382 (Online). DOI: 10.52209/1609-1825_2024_3_367.	5 pages	S. S. Issenov, P. A. Antipov, M. B. Koshumbaev, M. A. Auelbek, G. S. Nurmaganbetova
9	Prospects and main directions for the development of the energy sector in the world and in the republic of Kazakhstan	Printed	Bulletin of Toraighyrov University. Energy Series. No. 3, 2024, pp. 211–226. ISSN 2710-3420. DOI: 10.48081/PFKZ4046.	15 pages	M. B. Koshumbaev, S. S. Issenov, M. A. Auelbek, G. S. Nurmaganbetova , R. T. Kassym
10	Development of a simulation model of a temperature monitoring system for a squirrel-cage asynchronous generator	Printed	Bulletin of Toraighyrov University. Energy Series. No. 4, 2024, pp. 282–296. ISSN 2710-3420. DOI: 10.48081/MVCI3135.	14 pages	G. S. Nurmaganbetova , V. V. Kaverin, S. S. Issenov, R. M. Iskakov, E. K. Sarsembieva

Соискатель: Нурмаганбетова Г.С. 

Ученый секретарь: Дерипсакина Е.М. 

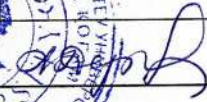


11	Mathematical and simulation modeling of short-circuit modes in the electromechanical section of a wind turbine	Printed	Bulletin of Toraighyrov University. Energy Series. No. 3, 2025, pp. 279–290. ISSN 2710-3420. DOI: 10.48081/BMFY9640.	11 pages	G. S. Nurmaganbetova, V. V. Kaverin, G. A. Em, S. S. Isenov, V. M. Druzhinin
12	Development of software for calculating electric power losses for power grid companies	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2025, No. 3 (100), pp. 407–413. ISSN 1609-1825 (Print), ISSN 2710-3382 (Online). DOI: 10.52209/1609-1825 2025 3 407.	6 pages	Zh. B. Isabekov, B. B. Isabekova, A. B. Zhantlesova, T. B. Akimzhanov, G. S. Nurmaganbetova
13	Energy supply efficiency of small settlements: hybrid wind–solar systems	Printed	Bulletin of Toraighyrov University. Energy Series. No. 4, 2025, pp. 177–194. ISSN 2710-3420. DOI: 10.48081/ZPQQ4614.	17 pages	S. S. Isenov, K. B. Baibeisenova, G. S. Nurmaganbetova
14	Integration of optical measurement methods and artificial intelligence in flame diagnostics	Printed	University Proceedings. Section “Automation. Power Engineering. ICT”. Karaganda, 2025, No. 4 (101), pp. 400–406. ISSN 1609-1825 (Print), ISSN 2710-3382 (Online). DOI: 10.52209/1609-1825 2025 4 400.	6 pages	L. N. Yesmakhanova, Zh. E. Shukamanov, Zh. B. Isabekov, B. B. Isabekova, G. S. Nurmaganbetova
Scientific articles published in international peer-reviewed journals included in the 1st, 2nd, or 3rd quartile according to the Journal Citation Reports (JCR) by Clarivate Analytics, or journals indexed in the Scopus database with a CiteScore percentile of at least 35 in the scientific field corresponding to the applicant’s specialization					
15	Simulation of Induced Energy Distribution Processes in the Ground Wire Cable of High-Voltage Overhead Power Lines	Printed	International Journal on Energy Conversion (I.R.E.CON.), Vol. 9, N. 6 ISSN 2281-5295, November 2021. Pp. 275-282. DOI: https://doi.org/10.15866/irecon.v9i6.21083 (Scopus процентиль – 52, Q2). CiteScore 2024 – 2.9. Engineering / Electrical and Electronic Engineering	8 pages	V. V. Kaverin, G. S. Nurmaganbetova, G.A. Em, S. Y. Yezhebayaeva

Соискатель: Нурмаганбетова Г.С.



Ученый секретарь: Дерипсадина Г.М.

16	Development of a virtual hardware temperature observer for frequencycontrolled asynchronous electric motors	Printed	Eastern-European Journal of Enterprise Technologies. ISSN 1729-3774. Vol. 3 No. 1(123) (2023): Engineering technological systems, pp. 68-75. DOI: https://doi.org/10.15587/1729-4061.2023.280357 . (Scopus процентиль – 47, Q3). CiteScore 2024 – 2.4. Engineering / Electrical and Electronic Engineering	8 pages	G. Nurmaganbetova, S. Issenov, V. Kaverin, Zh. Issenov
17	Indirect temperature protection of an asynchronous generator by stator winding resistance measurement with superimposition of high frequency pulse signals	Printed	Eastern-European Journal of Enterprise Technologies ISSN 1729-3774. Vol. 2 No. 8(128) (2024): Engineering technological systems, pp. 46-53. DOI: https://doi.org/10.15587/1729-4061.2024.302872 . (Scopus процентиль – 47, Q3). CiteScore 2024 – 2.4. Engineering / Electrical and Electronic Engineering	7 pages	G. Nurmaganbetova, S. Issenov, V. Kaverin, G. Em, G. Asainov, Zh. Nurmaganbetova, Yu. Bulatbayeva, R. Kassym
18	Regulation of the power of a wind turbine of a special design by changing the length of the blades	Printed	Eastern-European Journal of Enterprise Technologies ISSN 1729-3774. Vol. 4 No. 8 (130) (2024): Energy-saving technologies and equipment, pp. 31-41. DOI: https://doi.org/10.15587/1729-4061.2024.310514 . (Scopus процентиль – 43, Q3). CiteScore 2024 – 2.4. Energy / Energy Engineering and Power Technology	10 pages	P. Antipov, S. Issenov, M. Koshumbayev, M. Auelbek, G. Nurmaganbetova, D. Issabekov


Соискатель: Нурмаганбетова Г.С.



Ученый секретарь: Дерипсалидина Г.М.





19	Combined wind turbine protection system	Print and	Energies. ISSN 1996-1073. Volume 17. Issue 20. (October-2 2024). https://doi.org/10.3390/en17205074 . (Scopus процентиль – 75, Q1) . CiteScore 2024 – 7.3. Energy / Energy Engineering and Power Technology	19 pages	V. Kaverin, G. Nurmaganbetova , G. Em, S. Issenov, G. Tatkeyeva, A. Maussymbayeva
20	Development of mathematical models of power consumption at coal plants	Printed	Eastern-European Journal of Enterprise Technologies ISSN 1729-3774. Vol.5 No. 8 (131) (2024): Energy-saving technologies and equipment, pp. 22-32. DOI: https://doi.org/10.15587/1729-4061.2024.313932 . ((Scopus процентиль – 43, Q3) . CiteScore 2024 – 2.4. Energy / Energy Engineering and Power Technology	10 pages	Sh. Telbayeva, G. Nurmaganbetova , L. Avdeyev, V. Kaverin, S. Issenov, D. Janiszewski, K. Smagulova, G. Nurmaganbetova
21	Development of a Digital System for Monitoring Emergency Conditions in 20 kV Distribution Networks	Print and	Energies. ISSN 1996-1073. Volume 18. Issue 4. (February-19 2025). DOI: https://doi.org/10.3390/en18040998 (Scopus процентиль – 82, Q1) . CiteScore 2024 – 7.3. Engineering / Electrical and Electronic Engineering	19 pages	A. Baltin, S. Issenov, G. Nurmaganbetova , A. Zhumadirova, A. Yussupova, A. Potapenko, A. Maussymbayeva
22	Identifying the dynamic processes of the interphase short-circuit current of a wind turbine generator operating in standalone mode	Printed	Eastern-European Journal of Enterprise Technologies Vol.6 No. 8 (138) (2025): Energy-saving technologies and equipment, pp. 36-44. ISSN 1729-3774. DOI: https://doi.org/10.15587/1729-4061.2025.348861 . (Scopus процентиль – 47, Q3) . CiteScore 2024 – 2.4.	8 pages	G. Nurmaganbetova , V. Kaverin, S. Issenov, G. Em, Ye. Naliyev, E. Sarsembiyeva, Zh. Nurmaganbetova,


Соискатель: Нурмаганбетова Г.С. 

Ученый секретарь: Дерипова Г.М. 



			Engineering / Electrical and Electronic Engineering		Zh. Issenov
In the materials of international scientific and practical conferences					
23	Method of Active Discrete Parametric Optimization of a Second-Order Nonstationary System	Printed	Proceedings of the International Scientific and Practical Conference “XV Saginov Readings: Integration of Education, Science, and Industry,” Part 2. Karaganda: Saginov Karaganda Technical University, 2024, pp. 75–77.	2 pages	Nurmaganbetova G.S., Nurmaganbetova G.S.
24	Design of a Mobile Wind Power Generator with Foldable Blades for Power Supply of Rural Consumers	Printed	Proceedings of the International Scientific and Practical Conference Dedicated to the 130th Anniversary of S. Seifullin. Astana: S. Seifullin Kazakh Agrotechnical Research University, 2024, pp. 265–268.	3 pages	Kuatova A., Nurmaganbetova G.S.
25	Development of a Monitoring Device for Wind Turbine System Parameters	Printed.	Proceedings of the International Scientific and Practical Conference “XVII Saginov Readings: Integration of Education, Science, and Industry,” Part 1. Karaganda: Saginov Karaganda Technical University, 2025, pp. 631–633.	2 pages	Aldanazarov A. E., Nurmaganbetova G.S.
26	Analysis of the Protection System of Wind Turbine Installations	Printed	Collection of Materials of the XII International Scientific and Practical Conference: “Current Issues in Transport and Energy: Ways of Their Innovative Solutions.” Astana: L.N. Gumilyov Eurasian National University, 2025, pp. 609–612.	3 pages	Sarsenbina A.K, Nurmaganbetova G.S.
27	Review and Analysis of Current Issues in Wind Turbines	Printed	Collection of Materials of the XII International Scientific and Practical Conference: “Current Issues in Transport and Energy: Ways of Their Innovative Solutions.” Astana: L.N. Gumilyov	2 pages	Perdebek A.K., Nurmaganbetova G.S.

Соискатель: Нурмаганбетова Г.С. 

Ученый секретарь: Дерипсадина Г.М. 



			Eurasian National University, 2025, pp. 600–602.		
Patents					
28	Wind Turbine with Variable Torque of the Wind Rotor	Printed	Eurasian Patent for Invention No. 047230 based on Application No. 202391983 dated June 16, 2023. Publication date of the application: June 21, 2024.	3 pages	Issenov S.S., Kaidar A.B., Shapkenov B.K., Nurmaganbetova G.S.
29	Wind Turbine with Variable Rotor Torque	Printed	Patent for Invention No. 36903 of the Republic of Kazakhstan. Application No. 2023/0313.1. Filing date: May 5, 2023. Bulletin No. 45.	3 pages	Issenov S.S., Kaidar A.B., Shapkenov B.K., Nurmaganbetova G.S.
30	Device for Indirect Thermal Protection of an Asynchronous Electric Motor	Printed	Patent for Invention No. 37386 of the Republic of Kazakhstan. Application No. 2024/0264.1. Filing date: April 3, 2024. Bulletin No. 40.	4 pages	Nurmaganbetova G.S., Kaverin V.V., Issenov S.S., Tatkeyeva G.G., Em G.A., Nurmangambetova Zh.S.
Monographs					
31	Thermal Protection Systems of Asynchronous Electric Drives	Printed	Monograph. Karaganda Technical University. Karaganda: KarTU Publishing House, 2022. – 105 p.	6,22 p. sh.	G.S. Nurmaganbetova

Соискатель: Нурмаганбетова Г.С.



Ученый секретарь: Дерипса Гина Г.М.



[Handwritten signature]
16.02.2026.