

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Juliia Sirenko**

Address(es) Okhtyrska Str., 34, apt. 3, 40007, Sumy, Ukraine

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Nationality Ukrainian

Date of birth 25.04.1980

Gender Female

Current employment / Occupational field

**Ph.D., Assoc. Prof. of the Department of Energy and Electrical Engineering,
Engineering and Technology Faculty, Sumy National Agrarian University**

Work experience

Dates 09.2005 – 09.2009

Occupation or position held Secretary of the tractors and agricultural machinery Department (09.2005 – 09.2009);

Main activities and responsibilities Conducting the documentation of the tractors and agricultural machinery Department

Name and address of employer Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine

Type of business or sector Higher Educational Institution (Agricultural Sector)

Dates 09.2009 – 09.2013

Occupation or position held Assistant of the tractors and agricultural machinery Department (09.2009 – 09.2013);

Main activities and responsibilities Conducting laboratory and practical lessons from discipline "Heat Engineering"

Name and address of employer Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine

Type of business or sector Higher Educational Institution (Agricultural Sector)

Dates 09.2013 – 09.2016

Occupation or position held Senior Lecturer from discipline "Heat Engineering" of the tractors and agricultural machinery Department (09.2005 – 09.2016);

Main activities and responsibilities Conducting the documentation of the tractors and agricultural machinery Department

Name and address of employer Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine

Type of business or sector Higher Educational Institution (Agricultural Sector)

Dates 11.2020 -30.08.2024

Occupation or position held Senior Lecturer at the Engineering and Technology Faculty

Main activities and responsibilities Teaching and scientific activities in the sphere of energy and ecology in agriculture and in the sphere of industrial machinery engineering

Name and address of employer Sumy National Agrarian University, 160 H. Kondratiieva Str., Sumy, 40021, Ukraine

Type of business or sector	Higher Educational Institution (Agricultural Sector)										
Dates	01.09.2024 - fo now										
Occupation or position held	Associate Professor at the Engineering and Technology Faculty										
Main activities and responsibilities	Teaching and scientific activities in the sphere of energy and ecology in agriculture and in the sphere of industrial machinery engineering										
Name and address of employer	Sumy National Agrarian University, 160 H. Kondratieva Str., Sumy, 40021, Ukraine										
Type of business or sector	Higher Educational Institution (Agricultural Sector)										
Education and training											
Dates	09.1998-06.2004										
Title of qualification awarded	Shipbuilding Engineering										
Principal subjects/occupational skills covered	Shipbuilding										
Name and type of organisation providing education and training	Admiral Makarov National University of Shipbuilding, Mykolaiv, Ukraine										
Level in national or international classification	Higher Educational Institution (Shipbuilding Sector)										
Dates	10.2016 – 09.2020										
Title of qualification awarded	Doctor of Philosophy Degree										
Principal subjects/occupational skills covered	Industrial machinery engineering										
Name and type of organisation providing education and training	Sumy National Agrarian University of Ukraine										
Level in national or international classification	Doctor of Philosophy										
Personal skills and competences	punctuality, communication skills, responsibility										
Mother tongue(s)	Ukrainian										
Other language(s)	English, Russian										
Self-assessment	Understanding				Speaking				Writing		
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production				
English	A2	Beginner User	A2	Beginner User	A2	Beginner User	A2	Beginner User	A2	Beginner User	
Russian	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	
Social skills and competences	Initiative, independence, energy, organization, work in the team.										
Organisational skills and competences											
Computer skills and competences	Competent with most Microsoft Office programmes										
Driving licence	No										
Additional information:											

Scientific Research Topic and Publications	<p>Field of my scientific interests is "Kinematics of curvilinear motion of field units with front steered wheels".</p> <ol style="list-style-type: none"> 1. Dovzhik M., Kalnaguz A., Sirenko Yu. Curvilinear movement of a four-wheel machine using a satellite navigation system. Scientific Horizons. 2020, (07), pp.126-136. https://doi.org/10.33249/2663-2144-2020-92-7-126-135 2. Dovzhyk M. Determination of the trajectory of curvilinear motion of front steering wheels driven tractor / Tatyanchenko B., Solarov A., Sirenko J., Roubik H. // Scientia agriculturae bohemica, 50, 2019 (2): 127–134. https://doi.org/10.15587/1729-4061.2017.101335 3. Analysis of the kinematics of the movement of field units with all steered wheels. Dovzhik M. Ya., Sirenko Yu. V., & Kalnaguz O. M. (2022). Bulletin of the Sumy NAU. Series: Mechanization and automation of production processes, (2(48), 14-20. https://doi.org/10.32845/msnau.2022.2.3. 4. Kalnaguz, A., Melnyk, V., Solarov, O., Sirenko, Y., Chyryva, A. (2023). A Curvilinear Blades Profile of Accelerating Devices. In: Ivanov, V., Pavlenko, I., Liaposhchenko, O., Machado, J., Edl, M. (eds) Advances in Design, Simulation and Manufacturing VI. DSMIE 2023. Lecture Notes in Mechanical Engineering. Springer, Cham. pp.54-63. https://doi.org/10.1007/978-3-031-32774-2_6 5. Sirenko, Yu. V., Volvach, T. S., Savoyskyi, O. Yu. (2024). Methods of Food Drying: Advantages, Disadvantages, and Development Trends. Bulletin of Sumy National Agrarian University. Series: Mechanization and Automation of Production Processes, 2(56), 21-26. https://doi.org/10.32782/msnau.2024.2.3 6. Sirenko, Yu. V., Savoyskyi, O. Yu., Sirenko, V. F., Volvach, T. S. (2024). Improving the Reliability of District Transformer Substations through Ornithological Protection of Power Transmission Lines. Proceedings of Dmytro Motornyi Tavria State Agrotechnological University, 24(2), 130-139. https://doi.org/10.32782/2078-0877-2024-24-2-11 7. Sirenko, Yu. V., Volvach, T. S., Savoyskyi, O. Yu., Kozin, V. M. (2025). Analysis of the State of Ukraine's Energy System and Measures to Improve the Situation. Bulletin of Kherson National Technical University, 1(2(93)), 229–237. https://doi.org/10.35546/kntu2078-4481.2025.2.1.30 8. Savoyskyi, O. Yu., Kozin, V. M., Sirenko, V. F., Volvach, T. S., Sirenko, Yu. V., Riasna, O. V. (2025). Analysis of Causes of High-Voltage Power Line Outages in the Electrical Networks of Sumy Region.* Bulletin of Kherson National Technical University, 1(2(93)), 221–228. https://doi.org/10.35546/kntu2078-4481.2025.2.1.29 9. Sirenko, Yu. V., Chepizhnyi, A. V., Kuchmystenko, O. V., Leontieva, V. V., Kondratieva, N. O., Volvach, T. S., Savoyskyi, O. Yu. (2025). Improving the Efficiency and Quality Indicators of Power Supply Monitoring at a Dairy Plant. Mechanics and Automation of Agro-Industrial Production, 6(120), 190–202.
Projects Experience:	<ul style="list-style-type: none"> • 2021 – Internship at the Hugo Kollātaj University of Agriculture (UR), Krakow, Poland, under the program “Innovations in Higher Agricultural Education and Sustainable Development of Agriculture in Poland and Ukraine.” • 2023 – Internship at the National Technical University “Kharkiv Polytechnic Institute” under the program “Sustainable and Renewable Energy. Essential.”
Annexes	