



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s)

**Juliia Sirenko**

Address(es)

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Nationality

Ukrainian

Date of birth

25.04.1980

Gender

Female

### Current employment / Occupational field

**Senior Lecturer of the Department of Energy and Electrical Engineering, Sumy National Agrarian University**  
**Ph.D., Senior Lecturer 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.Kondratieva 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.Kondratieva 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.Kondratieva Str., Sumy, 40021, Ukraine

Type of business or sector

Higher Educational Institution (Agricultural Sector)

Dates

11.2020 till now

Occupation or position held

Senior Lecturer (11.2020 till now) 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)										
<b>Education and training</b>											
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										
<b>Personal skills and competences</b>											
punctuality, communication skills, responsibility											
Mother tongue(s)	<b>Ukrainian</b>										
Other language(s)	<b>English, Russian</b>										
Self-assessment	<b>Understanding</b>				<b>Speaking</b>				<b>Writing</b>		
<i>European level (*)</i>	Listening		Reading		Spoken interaction		Spoken production				
<b>English</b>	A2	Beginner User	A2	Beginner User	A2	Beginner User	A2	Beginner User	A2	Beginner User	
<b>Russian</b>	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										
<b>Additional information:</b>											

<p>Scientific Research Topic and Publications</p>	<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"> <li>1. Melnik V., Dovzhyk M., Tatyanchenko B., Solarov O., Sirenko Yu. Analytical method of examining the curvilinear motion of a four-wheeled vehicle. (2017) EASTERN-EUROPEAN JOURNAL OF ENTERPRISE TECHNOLOGIES. No 3/7 (87). <a href="https://doi.org/10.15587/1729-4061.2017.101335">https://doi.org/10.15587/1729-4061.2017.101335</a>.</li> <li>2. 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. <a href="https://doi.org/10.33249/2663-2144-2020-92-7-126-135">https://doi.org/10.33249/2663-2144-2020-92-7-126-135</a></li> <li>3. 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. <a href="https://doi.org/10.15587/1729-4061.2017.101335">https://doi.org/10.15587/1729-4061.2017.101335</a></li> <li>4. Analysis of the kinematics of the movement of field units with all steered wheels. Dovzhik M. Ya., Sirenko Yu. V., &amp; Kalnaguz O. M. (2022). Bulletin of the Sumy NAU. Series: Mechanization and automation of production processes, (2(48), 14-20. <a href="https://doi.org/10.32845/msnau.2022.2.3">https://doi.org/10.32845/msnau.2022.2.3</a>.</li> <li>5. Kalnaguz, A., Melnyk, V., Solarov, O., Sirenko, Y., Chyrva, 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. <a href="https://doi.org/10.1007/978-3-031-32774-2_6">https://doi.org/10.1007/978-3-031-32774-2_6</a></li> </ol>
<b>Annexes</b>	