

Europass Curriculum Vitae



Personal information

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|----------------------------|--|---------|------------------|
| First name(s) / Surname(s) | HANNA BARSUKOVA | | |
| Address(es) | Illinska Str., 40, apt. 25, 40009, Sumy, Ukraine | | |
| Telephone(s) | | Mobile: | + 38 066 0091070 |
| Fax(es) | | | |
| E-mail | hanna.barsukova@snau.edu.ua | | |
| Nationality | Ukrainian | | |
| Date of birth | 02.03.1983 | | |
| Gender | female | | |

Current employment / Occupational field

**Associate Professor of the Department of Energy and Electrical Engineering,
Sumy National Agrarian University;
Ph.D., Associate Professor of the Department of Energy and Electrical
Engineering, Engineering and Technology Faculty, Sumy National Agrarian
University**

Work experience

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| Dates | 09.2022 till now |
| Occupation or position held | Associate Professor (09.2022 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 |
| 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 | 09.2020-08.2022 |
| Occupation or position held | Senior Lecturer (09.2020-08.2022) at the Engineering and Technology Faculty |
| Main activities and responsibilities | Teaching and scientific activities in the sphere of energy and ecology in agriculture |
| 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 | 04.2018-08.2020 |
| Occupation or position held | Assistant (04.2018-31.08.20) at the Engineering and Technology Faculty |
| Main activities and responsibilities | Teaching and scientific activities in the sphere of energy and ecology in agriculture |
| 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 | 08.2005 till now |

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|--------------------------------------|---|
| Occupation or position held | Junior Researcher (08.2005 – 12.2005); Head of Scientific Department of Complex Mineral Fertilizers (09.2017 – 12.2017) at the Scientific and Research institute of mineral fertilizers and pigments |
| Main activities and responsibilities | Scientific and research activities in the field of obtaining new types of mineral fertilizers |
| Name and address of employer | Sumy Scientific and Research institute of mineral fertilizers and pigments, Sumy, 40012, Ukraine |
| Type of business or sector | Scientific and Research institute (industrial sector) |

Education and training

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| Dates | 09.2000-06.2005 |
| Title of qualification awarded | MSc in Ecology and Environmental Protection |
| Principal subjects/occupational skills covered | Protection of the environment |
| Name and type of organisation providing education and training | Sumy State University, Ukraine |
| Level in national or international classification | Dipl. Ing. (University) |
| Dates | 07.2017 |
| Title of qualification awarded | Candidate of Technical Sciences |
| Principal subjects/occupational skills covered | Ecological safety |
| Name and type of organisation providing education and training | Sumy State University, Ukraine |
| Level in national or international classification | PhD in Technical Sciences |
| Dates | 09.2019-12.2020 |
| Title of qualification awarded | MSc in Electrical energetics, electrical Engineering and Electromechanics |
| Principal subjects/occupational skills covered | Study of the influence of physical and chemical factors on the improvement of production processes in agriculture. |
| Name and type of organisation providing education and training | Sumy National Agrarian University, Ukraine |
| Level in national or international classification | Dipl. Ing. (University) |

Personal skills and competences

Mother tongue(s) Ukrainian

Other language(s) English B 2; Reference № 500/1926/0, 05/07/2023

Self-assessment

European level (*)

English

| Understanding | | | | Speaking | | | | Writing | |
|---------------|--------------------|---------|--------------------|--------------------|--------------------|-------------------|--------------------|---------|--------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| B2 | Upper-Intermediate | B2 | Upper-Intermediate | B2 | Upper-Intermediate | B2 | Upper-Intermediate | B2 | Upper-Intermediate |

Social skills and competences I have experience working in a team within international educational and scientific projects.

Organisational skills and competences I was responsible for organizing scientific exhibitions.

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| Computer skills and competences | Is fluent in computer. The competent with most programs. |
| Artistic skills and competences | |
| Driving licence | |
| Additional information: | |
| Scientific Research Topic and Publications | <p>1. Yurchenko O. Using a frequency converter is an effective and convenient way to control the speed of the pump unit / O. Yurchenko, H. Barsukova // Bulletin of Sumy National Agrarian University: Series «Mechanization and automation of production processes». - 2021. – Issue. 3 (45). – P. 57–63. (professional Edition).</p> <p>2. Savchenko-Pererva M. Determination of heat losses in public premises with development of algorithm for implementation of the energy saving measures / Savchenko-Pererva M., Radchuk O., Rozhkova L., Savoiskyi O. // Eastern-European Journal of Enterprise Technologies, 6 (4 (114)). Kharkiv. – 2021. – P. 48–59. (Scopus).</p> <p>3. Yurchenko O. Determination of wind turbine blade model for regions with low wind speeds / O. Yurchenko, O. Radchuk, H. Barsukova, M. Savchenko-Pererva, O. Ivchenko, V. Kolodnenko, D. Fesenko // Eastern-European Journal of Enterprise Technologies, 2 (8 (122) Kharkiv. – 2023. – P. 44–52. https://doi.org/10.15587/1729-4061.2023.277896. (Scopus).</p> <p>4. Yurchenko O. Using a frequency converter is an effective and convenient way to control the speed of the pump unit / O. Yurchenko, H. Barsukova // Bulletin of Sumy National Agrarian University: Series «Mechanization and automation of production processes». - 2021. – Issue. 3 (45). – P. 57–63.</p> <p>5. Yurchenko O. Development of wind turbine blades for areas with low wind speed / O. Yurchenko, H. Barsukova, H. Tymoshenko // Bulletin of the Sumy National Agrarian University, series "Mechanization and automation of production processes" - 2022. - Issue. 2 (47). – pp. 94–100.</p> <p>6. Yurchenko O. The process of battery recovery using a comprehensive approach / O. Yurchenko, H. Barsukova // Scientific Bulletin of the Tavri State Agro-Technological University: electronic scientific specialist edition / TDATU; Goal. ed. Ph.D., prof. V. M. Kyurchev. – Melitopol: TDATU, 2023. – Issue 13 (1). – pp. 390–401.</p> <p>7. Yurchenko O. The use of a pulsed electric field as a method of improving seed quality indicators / O. Yurchenko, H. Barsukova // Scientific Bulletin of the Tavri State Agro-Technological University: electronic scientific specialist edition / TDATU; Goal. ed. Ph.D., prof. V. M. Kyurchev. – Melitopol: TDATU, 2023. – Issue 13 (1). – pp. 466–475.</p> <p>8. Yurchenko O. Finding the place of damage to the winding of electrical power equipment according to the change in operating temperature / O. Yurchenko, H. Barsukova, A. Chepizhnyi, V. Zubko, H. Tymoshenko // Proceedings of the Dmytro Motornyi Tavri State Agro-Technological University. – Melitopol: TDATU, 2023. – Issue 23 (2). – pp. 167–176.</p> <p>9. Barsukova H. Advantages and disadvantages of using solar panels for indoor lighting / H. Barsukova // Materials of the V International scientific and practical conference "Technical support of innovative technologies in the agro-industrial complex" (November 1-24, 2023) - Zaporizhzhia, 2023. - P. 299-301.</p> <p>10. Ловська А. (2025) Визначення завантаження вдосконаленої цистерни для залізничних перевезень / А. Ловська, А. Мурадян, Г. Барсукова, О. Юрченко, О. Демидюков // <i>Східно-Європейський журнал передових технологій</i>, 1 (7 (133), 90–98. (Scopus) https://doi.org/10.15587/1729-4061.2025.321858.</p> <p>11. Lovska, A., Stanovska, I., Pelypenko, Y., Barsukova, H., Yurchenko, O. (2025). Determining the strength of a frame in a railroad open wagon with slings in its structure to improve its operational energy efficiency. <i>Eastern-European Journal of Enterprise Technologies</i>, 5 (7 (137)), 40–47. https://doi.org/10.15587/1729-4061.2025.340014.</p> |
| Projects Experience: | |
| Annexes | |