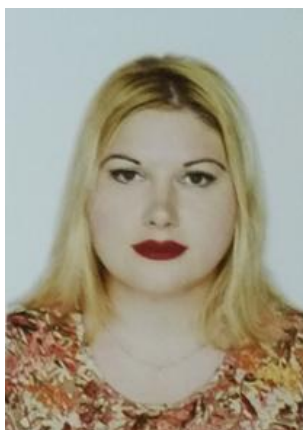


Curriculum Vitae



Personal information

First name(s) / Surname(s) MARINA SAVCHENKO

Address(es)

Sumy, Ukraine

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Nationality Ukrainian

Date of birth 27.11.1982

Gender Female

Current employment / Occupational field Associate Professor of Nutrition Technology Department, Faculty of Food Technology, Sumy National Agrarian University

Work experience

Dates 09. 2012 till now

Occupation or position held Associate Professor of Nutrition Technology Department, Faculty of Food Technology, Sumy National Agrarian University

Main activities and responsibilities	Teach students of engineering sciences at the faculty of food technology
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)

Education and training

Dates	09.2000-09.2005; 2022-2023
Title of qualification awarded	specialty 181 – Food Technology, process engineer; specialty 141 - Electric power engineering, electrical engineering, electromechanics diplomas with honors
Principal subjects/occupational skills covered	Meat processing, meat industry equipment, meat technology, energy audit, energy management
Name and type of organization providing education and training	Sumy Agricultural Institute (meanwhile Sumy National Agrarian University), Ukraine
Level in national or international classification	Dipl. Ing. (University)
Dates	11. 2007 – 11.2013
Title of qualification awarded	Graduate student. Specialty 05.18.12 –processes and equipment of food, microbiological and pharmaceutical industries
Dates	02.2016
Title of qualification awarded	PhD, associate professor in specialty «Processes and equipment of food, microbiological and pharmaceutical industries»
Principal subjects/occupational skills covered	Equipment for food industry
Name and type of organization providing education and training	Sumy Agricultural Institute(meanwhile Sumy National Agrarian University), Ukraine

Personal skills and competences

2016-2020 - Deputy Dean for Research at the Faculty of Food Technology;
2014-2018 - Chairman of the primary trade union organization of employees of the Faculty of Food Technology

Additional information:

1. Academic exchanges: INTERDISCIPLINARY CURRICULUM INNOVATIONS: KEY ASPECTS OF DESIGN AND TEACHING in the volume of 6 credits ECTS - 180 hours. May 29, 2025 Xinxian Henan Province, China.
 2. National University of Life Resources and Environmental Sciences of Ukraine, 2024. certificate CC00493706/023536-24, topic; "Implementation of interactive learning technologies in the educational process when teaching the disciplines "Technological equipment of food production" and "Automation of production processes"" from 16.09.2024 to 27.09.2024, 60 hours, registration number 23536
 3. International internship at the University of Buffalo, The State University of New York, USA.
Internship topic: Digital Manufacturing & Design.
The internship took place from November 7 to November 21, 2024 (international certificate from 11/21/2024).
 4. National University of Life Resources and Environmental Sciences of Ukraine, certificate SS 00493706/017680-22, topic "Development of innovative professional competencies in pedagogical activity" October 31, 2022 - November 11, 2022, 2 credits (60 hours)
 5. Poltava State Agrarian University, certificate SS 00493014/000300-22, topic "Subcritical extraction as a component of food technologies", November 22, 2022, 6 hours.
"Fundamentals of Academic Writing" of international course "Basics on Writing an Academic Research Article (2022)" in the framework of the development project "Strengthening scientific capacities and cooperation of Ukrainian universities in AgriSciences", Prague, April, 21, 2022
 6. International project with the European Bank for Reconstruction and Development «Upgrading vocational skills in Ukraine`s meat processing sector», project member (2018-2020), C38 398/8961/50371 rev
-
1. Head of DBT No. 0119U103689 "Scientific and practical aspects of the development of subcritical water extraction techniques and technology", 2019-2024
 2. Executor of DBT No. 0115U006745 "Innovative and resource-saving technologies of food production", 2019-2024.
 3. Budget theme «Development of technology of organic dried vegetable and fruit-semi-finished products and energy-efficient installation using solar panels», project member (2017-2019)

Review of dissertations, articles:

1. Reviewer of the dissertation NAN HAIJUAN on the topic: «Development of technology of low-fat chicken products using Agaricus bisporus»
2. Reviewer of the dissertation of OLGA SEREDA on the topic: "Improvement of the technology of whipped biscuit semi-finished products using protein raw materials and sugar substitutes." 04/26/2025

3. Reviewer of American Journal of Energy Engineering(AJEE) ISSN Print: 2329-1648; ISSN Online: 2329-163X <https://www.sciencepg.com/j/ajee> from August 19, 2023 till now;
4. Reviewer: Archives of Advanced Engineering Science ISSN 2972-4325 | Published by Bon View Publishing Pte Ltd. Acceptance rate: 23%, eISSN: 2972-4325 <http://www.journalenergy.org/reviewers>, <http://www.journalenergy.org/>
5. Reviewer: Journal of chemistry and technologies, 2025. Scopus
- 6.Reviewer of the American Journal of Energy Engineering; Archives of Advanced Engineering Science (ISSN: 2972-4325) «Traceability Automation in Coffee Production: A Case Study on QR-Code Integration to Optimize Manual Steps».

Scientific Research Topic

processing of raw materials of animal and vegetable origin, energy-saving technologies, renewable (alternative) energy sources, technological equipment of food production

and Publications

1. **Savchenko M.**, Dzuba Y., Radchuk, O. (2025). Development of a method for production of meat and vegetable preserves with the use of low power electric autoclave. Journal of Chemistry and Technologies, 33(3). **Scopus**
2. Utility model patent No. 158325 Ukraine, MPK: B04 C 3/00. Centrifugal-inertial dust collector with louver plates/ **Savchenko-Pererva M.Yu.**, Radchuk O.V., Barsukova G.V.// applicants and patent owner Sumy National Agrarian University – No. u 2024 02038; filed 18.04.2024; published 23.01.2025, Bull. No. 4.- 4p. <https://surl.li/qkxeik>
3. Radchuk, O., **Savchenko, M.**, Sokolov, S., Sokolov, O. (2025). Automation of a laboratory electric autoclave using a programmable logic controller. Journal of Chemistry and Technologies, 33(1), 239-248. <https://doi.org/10.15421/jchemtech.v33i1.310425> **Scopus**
4. **M Savchenko** et al (2024) Development of a methodology for calculating the consumption of a combined renewable energy source for a mini workshop. IOP Conf. Ser.: Earth Environ. Sci. 1429 012018. doi 10.1088/1755-1315/1429/1/012018 **Scopus**
5. **M.Yu. Savchenko-Pererva**, O.Yu. Koshel, S.M. Sabadash (2023). Increasing the quality indicators of chopped poultry products enriched with cultivated mushroom raw materials using drying equipment. Scientific bulletin of Tavriyya State Agro-Technological University. – Melitopol: TDATU, 2023. – Issue 13, volume 2, pp. 21-30. DOI: 10.31388/2220-8674-2023-2-21
6. **M. Savchenko-Pererva** & O. Radchuk (2022) Ways to improve energy conservation in educational institutions. In. Journal of Agriculture Innovation, Technology and Globalisation, Vol. 3, No. 1, Pp. 73-86. <https://doi.org/10.1504/IJAITG.2022.126866>
7. **Savchenko, M.**, & Radchuk, O. (2024). Automation of the technological process of sterilization of canned food. Scientific Bulletin of the Tavria State Agro-Technological University, 14(1). <https://doi.org/10.32782/2220-8674-2024-24-1-11> 2. Savchenko, M. (2024). Use of vegetable powder in semi-finished products of dried

fruits. Scientific Bulletin of the Tavria State Agro-Technological University, 14(1). <https://doi.org/10.32782/2220-8674-2024-24-1-12>

8. **M. Savchenko** & O. Radchuk (2024). Automation of electric autoclave control. Mechanization and automation of production processes. Vol. 1, No. 55, Pp. 19-26 (англ.) <https://doi.org/10.32782/msnau.2024.1>
9. **Savchenko, M.**, Radchuk, O., & Koshel, O. (2024). Introduction of vortex machines in bread baking production. Herald of Khmelnytskyi National University. Technical Sciences, 343(6.1), 262-267. <https://doi.org/10.31891/2307-5732-2024-343-6-39>
10. O. Radchuk & **M. Savchenko-Pererva** (2023). Automated control system of devices for extraction of vegetable raw materials with subcritical liquid. Scientific bulletin of Tavriyya State Agro-Technological University. – Melitopol: TDATU, 2023. – Issue 13, volume 2, pp. 34-43. DOI: 10.31388/2220-8674-2023-2-34
11. Yurchenko, O., Radchuk, O., Barsukova, H., **Savchenko-Pererva, M.**, Ivchenko, O., Kolodnenko, V., & Fesenko, D. (2023). Determining a model of the blade in a wind turbine for regions with low wind speeds. Eastern-European Journal of Enterprise Technologies, 2(8 (122), 44–52. <https://doi.org/10.15587/1729-4061.2023.277896>
12. Rozhkova, L., **Savchenko-Pererva, M.**, Radchuk, O., Sabadash, S., Kuznetsov, E. (2022). Innovative Hybrid Power Plant Design. In: Ivanov, V., Pavlenko, I., Liaposhchenko, O., Machado, J., Edl, M. (eds) Advances in Design, Simulation and Manufacturing V. DSMIE 2022. Lecture Notes in Mechanical Engineering. Springer, Cham. https://doi.org/10.1007/978-3-031-06044-1_29 **Scopus**
13. **Savchenko-Pererva M.**, Radchuk O., Rozhkova L. at al. (2021). Determining heat losses in university educational premises and developing an algorithm for implementing energy-saving measures. Eastern-European Journal of Enterprise Technologies, 6/11 (114) 2021.
14. **Savchenko-Pererva M.** (2021). Analysis of modern ways of creating food products with increased food value / M.Yu. Savchenko-Pererva, O.V Radchuk // Modern engineering and innovative technologies – Germany, №16(2).- P 48-52. <https://doi.org/10.30890/2567-5273.2021-16-02-122>
15. **Savchenko-Pererva, M.**, Radchuk, O. (2020). Implementation of energy saving measures in the university building. International Sustainable Development Conference 2020, NPUST, November 27-28, Pingtung, Taiwan, R.O.S., 105-106.
16. Rozhkova, L., **Savchenko-Pererva, M.**, Radchuk, O., Sabadash, S. (2020). Innovative Proposal for Wind-Solar Power Plant. International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2020), October 2-4, Gazi University, Ankara, TURKEY, 15-17.

17. Sukmanov, V., Radchuk, O., **Savchenko-Pererva, M.**, Budnik N. (2020). Optical piezometer and precision researches of food properties at pressures from 0 to 1000 MPa. *Journal of Chemistry and Technologies*, 28(1), 68-87 (in Ukrainian). doi: 10.15421/082009. **Scopus**
18. Sabadash, S., **Savchenko-Pererva, M.**, Radchuk, O., Rozhkova, L., Zahorulko, A. (2020). Improvement of equipment in order to intensify the process of drying dispersed food products. *Journal of Enterprise Technologies*, (1/11 (103)), doi: 10.15587/1729-4061.2020.192363. **Scopus**
19. Barsukova, H., **Savchenko-Pererva, M.** (2020). Reducing the technogenic load on the environment due to the technical solution for the disposal of iron sulphate. *Journal of Chemistry and Technologies*, 28(2), 168-176 (in Ukrainian). doi: 10.15421/082018. **Scopus**
20. Barsukova, H., **Savchenko-Pererva, M.** (2021). Development of technology for obtaining a mixed coagulant from the main waste of titanium production. *Journal of Chemistry and Technologies*, 28(3), 289-297 (in Ukrainian). **Scopus**
21. Zahorulko, A., Zagorulko, A., Yancheva, M., Sabadash, S., **Savchenko-Pererva, M.** (2019). Development of the plant for low-temperature treatment of meat products using ir-radiation. *Eastern-European Journal of Enterprise Technologies* [this link is disabled](#), 2019, 1(11-97), 17–22. **Scopus**
22. **Savchenko-Pererva, M.**, Yakuba, O. (2015). Improving the efficiency of devices with counter-twisting flows for the food. *Eastern European Journal of Advanced Technologies*, 3/10 (75), 43-48. **Scopus**
23. **Savchenko-Pererva, M.**, Potapov, V., Radchuk, O., Rozhkova, L. (2016). Improving the efficiency of vortex dust catchers for food industry. *Industrial technology and engineering, Kazakhstan*, 3(20), 62–69.
24. Yakuba, O., **Savchenko-Pererva, M.**, Sabadash, S. (2017). Mechanical dust collectors and filters in the technology of complex cleaning of food dust-like products: monograph, SNAU, 203 p.
25. **Savchenko-Pererva, M.**, Sabadash, S., Rozhkova, L. (2017). Comparative characteristics of alternative and renewable energy sources. *Bulletin of Sumy National Agrarian University. Seria: Mechanization and automation of production processes*, 10 (32), Sumy, 124-129.
26. Sabadash, S., **Savchenko-Pererva, M.**, Kazakov, D. (2018). Substantiation of energy-efficient drying process of disperse products: Monograph, SNAU, 218 p.
27. **Savchenko-Pererva, M.**, Radchuk, O. (2018). Apparatus for catching fine food products. *Proceedings of XX International scientific conference “Practical applications of research findings”*. Morrisville, Lulu Press, USA, 6-12 and other

Certificates

- Certificate of International Level “Fundamentals of Academic Writing” of international course "Basics on Writing an Academic Research Article (2022)" in the framework of the development project "Strengthening scientific capacities and cooperation of Ukrainian universities in AgriSciences", Prague, April, 21, 2022 –міжнародне стажування
- Certificate of participation on the International Conference on Advanced Materials Science & Engineering and High Tech Devices Applications; Exhibition (ICMATSE 2021), October 2-4, Gazi University, Ankara, TURKEY.
- Certificate of participation on the International Conference in the 4th International Conference on Sustainable Manufacturing, Materials and Technologies - ICSMMT 2022 at Coimbatore, Tamil Nadu, India
- Certificate of participation in the 5th International Conference on Design, simulation, Manufacturing: The Innovation Exchange, DSMIE 2022, Poznan, Poland
- Certificate of Attendance “Improvement of the Quality of the Scientific Research and Publications for the Young Researchers and Doctoral Students: the Basics of Scientific Work and the Principles of Scientometry”;
- Certificate of Attendance two-day workshop on scientific writing and publication organized in the framework of the development project “Enhancement of Capacity Building Process in Quality of Education and Research at SNAU and SSU”
- Certificate of Attainment in Modern Languages - LEVEL B2
Candidate № 000820149
- Participation in the project "Improving energy efficiency and stimulating the use of renewable energy sources in agri-food and other small and medium enterprises in Ukraine"
- and other