BUBLIENKO NATALIA, PhD

Gender: Female
Date of birth: October 31, 1970
Citizenship: Ukrainian
Languages: Ukrainian (mother tongue)

Current positions:
Associate Professor, Department of ecology and eco-management
National University of Food Technologies (NUFT), Kyiv, Ukraine

Contacts

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Education

2024 Advanced training at UABIO Bioenergy Association of Ukraine. Online trainings on the basics of biomethane production in Ukraine;
2024 Advanced training on Prometheus - online course platform in Ukraine. Assessment of environmental damage from Russian aggression;
2023 Advanced training at the Center for Ukrainian-European Scientific Cooperation. Academic integrity, open science and artificial intelligence: how to create a virtuous educational environment;
2021 Advanced training at the Institute of Botany National Academy of Sciences of Ukraine (Department of Geobotany and Ecology), Kyiv, Ukraine;
2016 Training course in Distance Learning, State University of Education Management, Kyiv, Ukraine;
2015 Advanced training at the Institute of Biochemistry National Academy of Sciences of Ukraine (Department of Biochemistry of Vitamins and Coenzymes), Kyiv, Ukraine;
2011 Advanced training at the Ukrainian Research Institute of Sugar Industry (Department of Ecology), Kyiv, Ukraine;
2005 received the academic title of associate professor of biochemistry and ecology of food production;
2003 Advanced training, Winter School «Practical and methodological aspects of teaching environmental disciplines in higher education», National University «Kyiv-Mohyla Academy», Kyiv, Ukraine;
1998 PhD in Biotechnology, Ukrainian State University of Food Technologies, Kyiv, Ukraine;
1992 Technological Engineer (Biotechnology), Kyiv Technological Institute of Food Industry, Ukraine.

Employment

2003 – onward Associate Professor of the Department of Ecology and Ecomanagement, National University of Food Technology, Kyiv, Ukraine;
2007 – 2019 Scientific Secretary of the Specialized Academic Council for the Defense of Dissertations, National University of Food Technologies, Kyiv, Ukraine;

1998 – 2003 Assistant Professor of Biochemistry and Ecology of Food Production, National University of Food Technologies, Kyiv, Ukraine.

Teaching experience

Teaching courses on «Ecology and neoecology», «Environmental protection», «Alternative energetics», «Biological processes of ecological technologies», «Technological calculations and reporting in environmental activities» for Bachelor's students in Environmental Science.
She is the head of qualification work for obtaining educational degrees «Bachelor» and «Master» in the specialty 101 «Ecology».

International projects

2022 – 2025 participant of the international project of the European Union program Erasmus+ Jean Monnet Module «EU renewable energy strategy as a roadmap for Ukraine» JM RE – 101085755 – GAP – 101085755

2023 – 2026 participant of the international project of the European Union program Erasmus+ Jean Monet Chair «Effective waste management in the EU as the best option for Ukraine 101127175 – JM REW – ERASMUS-JMO-2023-HEI-TCH-RSCH

Publications and presentations

Almost 70 scientific publications; more than 100 presentations at scientific congresses, symposiums, and conferences, 2 patents.
Scopus publications – 6, h-index – 2.

Peer reviewed articles

1. Bublienko, N., Zakharova, R., Stetsenko, N. Biotransformation of wastewater production of bakery yeast with biogas generation. Water and water purification. 2022. Vol. 32, № 1: 16 – 22.

2. Bublienko, N. Methane fermentation of concentrated wastewater of sugar factories. Food industry. 2021. 29: 94 – 101.

3. Bublienko, N., Semenova, O. Biological utilization of beet pulp using methane fermentation. Food industry. 2021. 30: 50 – 57.

4. Yashchuk, N., Matseiko, L., Bober, A., Kobernyk, M., Gunko, S., Grevtseva, N., Boyko, Y., Salavor, O., Bublienko, N., & Babych, I. (2021). The technological properties of winter wheat grain during long-term storage. Potravinarstvo Slovak Journal of Food Sciences, 15, 926–938.

5. Bublienko, N., Semenova, O., Lavrinyuk, O. Methane fermentation of pig farm effluents. Scientific horizons. 2020. 7 (92): 74 – 79.

6. Bublienko, N., Semenova, O., Skidan, O., Tymoschuk, T., Tkachuk, V. Biotechnological utilization of fallen leaves. Scientific horizons. 2020. 2 (87): 7 – 14.

7. Semenova, O., Bublienko, N., Suleyko, T., Reshetniak, L. Wastewater treatment from nitrogen compounds. The scientific heritage. Vol. 2, № 43. 2020: 37 – 41.

8. Bublienko, N., Semenova, O., Suleyko, T. Application of eco-technology for processing pig farm waste. Food Industry. 2019. 25: 148–155.

9. O. Semenova, N. Bublienko, T. Shylofost, O. Semenova, L. Reshetniak Cleaning of sewages with use of pinotenk. Modern Science (Moderni veda). 2016. 6: 151 – 155.

10. Bublienko, N., Semenova, O., Zhylyk, A., Semenova, O., Tymoschuk-Marcynyuk, T. Bioconversion of vegetable waste from agriculture with the use of methane fermentation. Bulletin of Zhytomyr National Agroecological University. 2016. 2 (56), pp. 1: 31–37.

11. Semenova, E., Bublienko N., Suleyko, T. Electrostimulation of activated sludge of aeration tanks as a way to intensify wastewater treatment of dairy enterprises. Water Chemistry and Technology, 2014. Vol. 36, № 5 (241): 441–447.

12. Semenova, E., Bublienko, N., Shilofost, T., Bublienko, A. Biochemical treatment of oily wastewater. Water Chemistry and Technology, 2013. Vol. 35, № 4 (234): 331–340.

13. Semenova, O., Bublienko, N., Smirnova, J., Tkachenko, T., Reshetnyak, L. Use of higher concentration of active sludge organisms for intensifying dairies 'wastewater treatment process. Scientific works of NUFT, 2013. 50: 23 – 26.

14. Semenova, O., Bublijenko, N., Smirnova, J., Shylofost, T., Pastushenko, A. Intensification of biochemical purification of oil wastewater process by acting on biocenosis activity. Scientific works of NUFT, 2012. 46: 16 – 19.

15. Semenova, E., Tkachenko, T., Bublienko, N. Biodegradation of waste water pollution from food industry enterprises. Chemistry and Technology of Water, 2013. Vol. 35, no. 2 (232): 151–159.

16. Semenova, O., Smirnova, J., Bublienko, N., Shylofost, T., Bublienko, O. Method of mathematical planning of experiment for optimal flowsheet selection of biochemical oil wastewater treatment. Scientific works of NUFT, 2013. 49: 83 – 87.

Presentations at the congresses, symposiums, conferences

1. Salavor, O., Bublienko, N., Nychyk, O., Lukashevich, Y., Voytenko Palgan Y. Processing of organic waste in Ukraine and the EU. European dimensions of sustainable development: VI International Conference, Kyiv. NUFT,2024: 47.

2. Hulevata, I., Salavor, O., Nychik, O., Bublienko, N. Utilization of food waste in European Union. Scientific progress: innovations, achievements and prospects of 4th International scientific and practical conference, Munich, Germany, 2023: 19 – 22.

3. Hulevata, I., Salavor, O., Nychik, O., Bublienko, N. Experience of municipal waste processing in EU. Progressive research in the modern world of 4th International scientific and practical conference, Boston, USA, 2022: 35 – 38.

4. Bublienko, N., Semenova, O., Suleyko, T. Utilization of pig manure for biogas production. Scientific problems of food technologies and industrial biotechnology in the context of European integration: IX International scientific and technical conference, Kyiv. NUFT, 2020: 159 – 161.

5. Bublienko, N. Utilization of beet pulp to obtain biogas. Scientific problems of food technologies and industrial biotechnology in the context of European integration: IX International scientific and technical conference, Kyiv. NUFT, 2020: 29 – 30.

6. Mostova, V., Bublienko, N., Semenova, O. Biotechnological energy production from beet pulp. Modern achievements of pharmaceutical technology and biotechnology: VIII International scientific-practical conference, Kharkiv. NUPh, 2019: 343 – 344.

7. Karaputa, O., Bublienko, N. The use of poultry waste in bioenergy. Scientific problems of food technologies and industrial biotechnology in the context of European integration: VIII International scientific and technical conference, Kyiv. NUFT, 2019: 209 – 210.

8. Kohut, V., Bublienko, N. Introduction of environmental management tools on the way to European integration processes in dairy enterprises. Sustainable development of the country within the framework of European integration: All-Ukrainian scientific-practical conference, Zhytomyr. ZhSTU, 2017: 108.7.

9. Semenova, E., Bublienko, N., Shpyakina, A. Energy use of methane fermentation in enterprises for the production of citric acid. 8th Central European Congress on Food 2016. Food Science for Well-being (CEFood 2016): Book of Abstracts, Kuïв. NUFT, 2016: 184.

10. Shpyakina, A., Semenova, O., Bublienko, N. Rational use of secondary resources of the dairy industry. Environmental security as a basis for sustainable development of society. European

experience and prospects: II International scientific-practical conference, Lviv. LSULS, 2015: 249 – 250.

11. Semenova, O., Bublienko, N., Vityuk, O. Modern directions of use and utilization of beet pulp. Efektivni nastroje modernich ved – 2013: IX International Scientific and Practical Conference, Praha, 2013: 10 – 12.

12. Semenova, O., Bublienko, N., Smirnova, J., Tkachenko, T. Innovative wastewater dairy. The Second North and East European Congress on Food, Kyiv. NUFT, 2013: 132.

13. Bublienko, N., Semenova, O., Lysenko, A., Stolyar, I. Utilization of fallen leaves using methane fermentation. Moderni vymozenost vedy – 2014: X International Scientific and Practical Conference, Praha, 2014: 3 - 5.

14. Semenova, O., Bublienko, N., Smirnova, J., Shylofost, T. Biochemical purification of wastewater oil processing products. The Second North and East European Congress on Food, Kyiv. NUFT, 2013: 123.

Textbook

1. Semenova O.I., Bublienko N.O. Fundamentals of ecological toxicology K .: NUFT, 2014. – 265 p.

2. Lewandowski, L.V., Bublienko N.O., Semenova O.I. Environmental technologies and equipment: K .: NUFT, 2013. – 243 p.

3. Lewandowski L.V., Dryuk V.G., Semenova O.I., Bublienko N.O., Sklyar S.I. Biological Chemistry K.: NUFT, 2012. – 363 p.