

CURRICULUM VITAE

Name: Olena STABNIKOVA

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Date of birth: March 10, 1950
Citizenship: Ukraine
Education: Engineer – Biotechnologist,
National University of Food Technologies,
Kyiv, Ukraine
1967 - 1972

Candidate of Technical Sciences (Equivalent of PhD),
National University of Food Technologies,
Kyiv, Ukraine
1972 - 1976

Employment History:

Associate Professor, Department of Biotechnology and Microbiology,
National University of Food Technologies, Kyiv, Ukraine
2019 – present time.

Research Fellow,
Advanced Laboratory,
National University of Food Technologies, Kyiv, Ukraine
2017 – present time

Research Fellow, School of Civil and Environmental Engineering,
Nanyang Technological University, Singapore
2014 – 2015

Research Fellow, Sembcorp Industries Ltd., Singapore
2009 – 2011

Research Fellow, School of Civil and Environmental Engineering,
Nanyang Technological University, Singapore
2001 – 2007

Associate Professor
Department of Microbiology and Biotechnology,
National University of Food Technologies, Kyiv, Ukraine
1979 - 2001

Assistant Professor
Department of Microbiology and Biotechnology,
National University of Food Technologies, Kyiv, Ukraine
1975 - 1979

Research output for 1972-2022

Author of 151 scientific publications, including 72 in the journals of the Scopus database, 39 in quartiles Q1-Q2, 2 monographs, 5 chapters in international books, 8 patents for inventions including 1 patent of USA and 1 patent of Singapore.

H-index according to Scopus: 19

Citation statistics - 996

Google Scholar H- index: 25

Citation statistics - 1842.

i10-index - 41.

ORCID <https://orcid.org/0000-0003-4156-3021>

Research projects performed in Singapore:

Biogrouting for underground construction

2014 – 2015 (Researcher)

Treatment of industrial wastewater containing recalcitrant organic compounds

2009 – 2011 (Researcher)

Bioconversion of food waste into biogas

2002 – 2007 (Researcher)

Development of soil substitute for gardening and landscaping

2002 – 2005 (Researcher)

Bioconversion of organic waste such as sewage sludge and food waste into biofertilizer

2001 – 2003 (Researcher)

Bioremediation of oil, PAH and heavy metals polluted soils

2001 - 2007 (Researcher)

Research projects performed in Ukraine:

Biotechnology of selenium-enriched food using plant and microbial biomass

Principal Investigator of international research project (UK, France, Poland and Ukraine), EC-supported INCO-COPERNICUS research program. 1999 - 2002

Anaerobic digestion of food waste mediated by iron transformations with the production of biofertilizer

Principal Investigator, National University of Food Technologies, Ukraine, 1995 - 2000

Sampler for detection of hazardous bacteria in water

Principal Investigator of the project supported by US Office of Navy Research (sub-project of S.A.I.C. Inc., USA), 1998 - 1999

Denitrification of drinking water

Principal Investigator, National University of Food Technologies, Ukraine, 1998 - 2001

Interactions between microbial cells and air-water interphase

Principal Co-investigator of the project, Ukrainian Academy of Sciences, 1990 - 1995

Microbial biotechnology for soil bioremediation

Principal Co-investigator of the project, Ukrainian Academy of Sciences, 1990 - 2000.

Complex microbial preparations for multifunctional purposes: from the regulation of biosynthesis and properties to the prospects of practical use.

Principal Co-investigator, № state registration: 0119U002575. 2018-2021.

Scientific substantiation and development of active food packaging systems.

Principal Co-investigator 2018-2021. 0118U003558

Chemical design of biologically active on nitrogen-containing compounds based on flavonoids.

Principal Co-investigator 2018-2021.

Joint Ukrainian-Latvian project "Microbially bound microplastic in neuston of the water-air interfacial surface and its impact on the environment of river and marine habitats". Principal Co-investigator. 2018-2021.

Industrial experience:

Microbial cultivation

Biotechnological production of antibiotics, aminoacids, enzymes, vitamins and single cell protein

Anaerobic treatment of food waste

Treatment of industrial wastewater containing recalcitrant organic compounds

Professional Service:

Editor-in-Chief of the Ukrainian Food Journal (indexed in Scopus, Web of Science).

Review Editor (specialty section of Frontiers in Microbiology and Frontiers in Nutrition)

Frontiers in Microbiology, Editorial Board of Food Microbiology.

Reviewing of the manuscripts in following journals:

Biochemical Engineering Journal, Bioresource Technology, Journal of Chemical Technology and Biotechnology, Process Biochemistry, Waste Management, Water Research, World Journal of Microbiology and Biotechnology, The Environmentalist, Plant and Human Nutrition, Food Control, Sustainability, Agronomy, Current Nutrition and Food Sciences.

Teaching courses prepared and delivered to undergraduate and graduate students:

1. Industrial Biotechnology
2. Industrial Biotechnology Lab
3. Microbiology
4. Microbiology Lab
5. Environmental Microbiology
6. Environmental Microbiology Lab
7. Food Microbiology
8. Food Microbiology Lab
9. Immunobiotechnology
10. Basics of Scientific Research

Supervision of PhD students: 5

Awards: Award of the Presidium of the Academy of Sciences of Ukraine named after DK Zabolotny for the series of works "Kinetics and stoichiometry of microbial populations growth" (with Ivanov V.), 1993.

LIST OF PUBLICATIONS

BOOK CHAPTERS

Stabnikova O., Wang J.Y., Ivanov V. (2010) Value-added biotechnological products from organic wastes. In: *Handbook of Environmental Engineering. Vol.10. Environmental Biotechnology* (L.K. Wang, V.Ivanov, J.H.Tay, Y.T. Hung, eds.), Humana Press, Inc. Totowa, NJ, USA, pp. 343 – 394.

- Stabnikova O.**, Wang J.Y., Ivanov V. (2009) Intensive aerobic bioconversion of sewage sludge and food waste into organic fertilizer. In: *Sewage Treatment: Uses, Processes and Impact*. (A. Stephens and M. Fuller, Eds.). Nova Science, pp. 277 - 288.
- Stabnikova O.** (2000) Biodiversity of bacterial populations monitored by flow cytometry. In: *Rapid Methods for Analysis of Biological Materials in Environment* (P.J. Stopa and M.A. Bartoszcze, Eds.). Kluwer Academic Publishers, pp. 169 – 175.
- Stabnikova O.**, Stabnikov V., Antoniuk M., Arsenieva L., Ivanov V. (2022). Bakery products enriched with organoselenium compounds. In Paredes-Lopez O., Stabnikov V., Shevchenko O., Ivanov V. (Eds.), *Bioenhancement and Fortification of Foods for a Healthy Diet*. CRC Press, Boca Raton, London, pp. 89 - 111. 10.1201/9781003225287-6
- Pirog T., Stabnikov V., **Stabnikova O.** (2022) Bacterial microbial surface- active substances in food- processing industry. In Paredes-Lopez O., Stabnikov V., Shevchenko O., Ivanov V. (Eds.), *Bioenhancement and Fortification of Foods for a Healthy Diet*. CRC Press, Boca Raton, London, pp. 271 – 294. DOI: 10.1201/9781003225287-18

Publications 2003 – present time

- Wang J.Y., Zhang H., **Stabnikova O.**, Tay J.H. (2003) Removal of ammonia in a modified two-phase food waste anaerobic digestion system coupled with an aerated submerged biofilters. *Waste Management and Research*, **21**(6), 527–534.
- Stabnikova O.**, Chen X.G., Tay J.H., Tay S.T.L., Wang J.Y. (2003) Intensive aerobic bioconversion of sewage sludge and food waste into biofertilizer. *Civil Engineering Research, Nanyang Technological University*, **16**, 44–46.
- Wang J.Y., **Stabnikova O.**, Ivanov V., Tay S.T.L., Tay J.H. (2003) Intensive aerobic bioconversion of sewage sludge and food waste into fertilizer. *Waste Management and Research*, **21**(5), 405–415.
- Wang J.Y., **Stabnikova O.**, Tay S.T.L., Ivanov V., Tay J.H. (2003) Intensive bioconversion of sewage sludge and food waste by *Bacillus thermoamylovorans*. *World Journal of Microbiology and Biotechnology*, **19**(4), 427–432.
- Аксьонова І.В., Антонюк М.М., Устинов Ю.В., **Стабнікова О.В.** (2004) Використання селенозбагачених дріжджів у хлібопекарському виробництві. *Харчова Промисловість*, 3, 22-25.
- Chen X.,G., **Stabnikova O.**, Tay J.H., Wang J.Y., Tay S.T.L. (2004) Thermoactive extracellular proteases of *Geobacillus caldoproteolyticus*, sp. nov., from sewage sludge. *Extremophiles*, **8**(6), 489–498.
- Wang J.Y., **Stabnikova O.**, Lee S.S., Tay J.H. (2004) An integrated chemical-biological remediation for PAHs contaminated soil. *Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management (ASCE)*, **8**(2), 79–83.
- Wang J.Y., **Stabnikova O.**, Tay S.T.L., Ivanov V., Tay J.H. (2004) Biotechnology of intensive aerobic conversion of sewage sludge and food waste into fertilizer. *Water Science and Technology*, **49**(10), 147–154.
- Ivanov V.N., Wang J.Y., **Stabnikova O.V.**, Tay S.T.L., Tay J.H. (2004) Microbiological monitoring in the biodegradation of sewage sludge and food waste. *Journal of Applied Microbiology*, **96**(4), 641–647.
- Ivanov V., Wang J.Y., **Stabnikova O.**, Krasinko V., Stabnikov V., Tay S.T.L., Tay J.H. (2004) Iron-mediated removal of ammonia from strong nitrogenous wastewater of food processing. *Water Science and Technology*, **49**(5–6), 421–431.
- Wang J.Y., Zhang D.S., Stabnikova O., Tay J.H. (2004) Processing dewatered sewage sludge using electrokinetic technology. *Water Science and Technology*, **50**(9), 205–211.

- Stabnikova O.**, Wang J.Y., Ding H.B., Tay J.H. (2005) Biotransformation of vegetable and fruit processing wastes into yeast biomass enriched with selenium. *Bioresource Technology*, **96**(6), 747–751.
- Stabnikova O.**, Goh W.-K., Ding H.B., Tay J.H., Wang J.Y. (2005) The use of sewage sludge and horticultural waste to develop artificial soil for plant cultivation in Singapore. *Bioresource Technology*, **96**(9), 1073–1080.
- Stabnikova O.**, Ding H.B., Tay J.H., Wang J.Y. (2005) Biotechnology for aerobic conversion of food waste into organic fertilizer. *Waste Management and Research*, **23**(1), 39–47.
- Stabnikova O.**, Ang S.S., Liu X.Y., Ivanov V., Tay J.H., Wang J.Y. (2005) The use of hybrid anaerobic solid-liquid (HASL) system for the treatment of lipid-containing food waste. *Journal of Chemical Technology and Biotechnology*, **80**(4), 455–461.
- Chen X.G., **Stabnikova O.**, Tay J.H., Wang J.Y., Tay S.T.L. (2005) Biodegradation of sewage sludge and food waste by a mixed culture. *Journal Residual Science and Technology*, **2**(1), 25–30.
- Wang J.Y., Zhang D.-S., **Stabnikova O.**, Tay J.H. (2005) Electrokinetic treatment for heavy metals removal from sewage sludge. *Journal of Hazardous Materials*, **124**(1-3), 139–146.
- Wang J.Y., Zhang H., **Stabnikova O.**, Ang S.S., Tay J.H. (2005) A hybrid anaerobic solid-liquid (HASL) system for food waste digestion. *Water Science and Technology*, **52**(1-2), 223–228.
- Huang X.J., **Stabnikova O.**, Tay J.H., Wang J.Y. (2005) Removal of heavy metals from kaolin using electrokinetic technology. *Civil Engineering Research, Nanyang Technological University*, **18**, 67–68.
- Zhang H., Ang S.S., **Stabnikova O.**, Tay J.H., Wang J.Y. (2005) A hybrid anaerobic solid-liquid (HASL) system for food waste digestion. *Civil Engineering Research, Nanyang Technological University*, **18**, 40–42.
- Wang J.Y., Zhang H., **Stabnikova O.**, Tay J.H. (2005) Comparison of lab-scale and pilot-scale hybrid anaerobic solid-liquid systems operated in batch and semi-continuous modes. *Process Biochemistry*, **40**(11), 3580–3586.
- Wang J.Y., Liu X.Y., Kao J.C.M., **Stabnikova O.** (2006) Digestion of pre-treated food waste in hybrid anaerobic solid-liquid (HASL) system. *Journal of Chemical Technology and Biotechnology*, **81**(3), 345–351.
- Wang J.Y., Huang X.J., Kao J.C.M., **Stabnikova O.** (2006) Removal of heavy metals from kaolin using an upward electrokinetic soil remedial (UESR) technology. *Journal of Hazardous Materials*, **136**(3), 532–541.
- Stabnikova O.**, Liu X.Y., Wang J.Y., Ivanov V. (2006) Quantification of methanogens by fluorescence *in situ* hybridization with oligonucleotide probe. *Applied Microbiology and Biotechnology*, **73**(3), 696–702.
- Ivanov V., **Stabnikova O.**, Sihanonth P., Menasveta P. (2006) *In situ* characterization of microbial biofilm on shell surface. *World Journal of Microbiology and Biotechnology*, **22**(8), 807 - 812.
- Liu X.Y., **Stabnikova O.**, Wang J. Y. (2006) Treatment of lipid-containing food waste in hybrid anaerobic solid-liquid (HASL) system. *Civil Engineering Research, Nanyang Technological University*, **19**, 34 – 35.
- Liu X.Y., **Stabnikova O.**, Wang J.Y. (2006) Enhancement of food waste anaerobic digestion in hybrid anaerobic solid-liquid (HASL) system. *The Water and Environmental Management Series (WEMS)*, **12**, 265–272.
- Liu X.Y., **Stabnikova O.**, Wang J.Y. (2007) Enhancement of food waste digestion in the hybrid anaerobic solid-liquid (HASL) system. *Civil Engineering Research, Nanyang Technological University*.

- Wang J.Y., Huang X.J., Kao J.C.M., **Stabnikova O.** (2007) Simultaneous removal of organic contaminants and heavy metals from kaolin using an upward electrokinetic soil remediation. *Journal of Hazardous Materials*, **144**(1-2), 292-299.
- Stabnikova O.**, Liu X.Y., Wang J.Y. (2008) Anaerobic digestion of food waste in a hybrid anaerobic solid-liquid system with leachate recirculation in an acidogenic reactor. *Biochemical Engineering Journal*, **41**(2), 198 – 201. <https://doi.org/10.1016/j.bej.2008.05.008>
- Stabnikova O.**, Liu X.Y., Wang J.Y. Digestion of frozen/thawed food waste in the hybrid anaerobic solid-liquid system. (2008) *Waste Management*, **28**(9), 1654-1659. <https://doi.org/10.1016/j.wasman.2007.05.021>.
- Liu X.Y., Ding H.B., Sreeramachandran S., **Stabnikova O.**, Wang J.Y. (2008) Enhancement of food waste digestion in the hybrid anaerobic solid-liquid system. *Water Science and Technology*, **57**(7), 1369 – 1373.
- Stabnikova O.**, Liu X.Y., Wang J.Y. (2008) Anaerobic digestion of food waste in a hybrid anaerobic solid-liquid system with leachate recirculation in an acidogenic reactor. *Waste Management*, **28**(9), 1654-1659. <https://doi.org/10.1016/j.bej.2008.05.008>
- Ivanov V., Wang X. H, Liu Y. Q., **Stabnikova O.** (2008) Simultaneous microbial granulation and biodegradation of estrogens in sequencing batch reactor. In: *Proceed. IWA 4th Sequencing Batch Reactor Conference, Rome, 7-10 April 2008*, p. 365-372
- Ding H.B., Liu X.Y., **Stabnikova O.**, Wang J.Y. (2008) Effect of protein on biohydrogen production from starch of food waste. *Water Science and Technology*, **57**(7), 1031-1036. <https://doi: 10.2166/wst.2008.080>
- Ivanov V., Wang X.H., **Stabnikova O.** (2008) Starter culture of *Pseudomonas veronii* strain B for aerobic granulation. *World Journal of Microbiology and Biotechnology*, **24**(4), 533 – 539. <https://doi.org/10.1007/s11274-007-9506-4>
- Stabnikova O.**, Ivanov V., Larionova I., Stabnikov V., Bryszewska M.A., Lewis J. (2008) Ukrainian dietary bakery product with selenium-enriched yeast. *LWT – Food Science and Technology*, **41**(5), 890–895. <https://doi.org/10.1016/j.lwt.2007.05.021>
- Ivanov V., Lim J.J.W., **Stabnikova O.**, Gin K.Y.H. (2010) Biodegradation of estrogens by facultative anaerobic iron-reducing bacteria. *Process Biochemistry*, **45**(2), 284 – 287. <https://doi.org/10.1016/j.procbio.2009.09.017>
- Ivanov V., Rezaeinejad S., **Stabnikova O.** (2014) Physiological dualism of eukaryotic cell: simultaneous presence of exotrophic and endotrophic cells in growing population of *Saccharomyces cerevisiae*. *Enliven: Microbes and Microbial Techniques* **1**(1), 003: 1-8.
- Ivanov V., Stabnikov V., Guo CH, **Stabnikova O.**, Ahmed Z., Kim IS, Shuy EB (2014) Wastewater engineering applications of BioIronTech process based on the biogeochemical cycle of iron bioreduction and (bio)oxidation. *AIMS Environmental Journal*, **1**(2): 53-66. <http://doi.org/10.3934/environsci.2014.2.53>
- Ivanov V., Rezaeinejad S., **Stabnikova O.** (2015) Physiological comparison of cells with high and low alcohol dehydrogenase activities in bacterial populations consuming ethanol. *Annals of Microbiology*, **65**(2), 1007-1016. <https://doi.org/10.1007/s13213-014-0945-5>
- Stabnikova O.**, Antonuk M., Stabnikov V., Arsen'eva L. (2019) Ukrainian dietary bread with selenium-enriched malt. *Plant Foods for Human Nutrition*. **74**(2), 157–163. <https://doi.org/10.1007/s11130-019-00731-z>
- Ivanov V., Kawasaki S., Stabnikov V., **Stabnikova O.** (2019) Environmental safety and biosafety in Construction Biotechnology. *World Journal of Microbiology and Biotechnology*, **35**, 26. WIBI-D-18-01094.1. <https://doi.org/10.1007/s11274-019-2598->
- Ivanov V., Stabnikov V., **Stabnikova O.**, Ahmed Z. (2019) Biotechnology for construction of artificial oasis in sandy desert. *Journal of King Saud University - Engineering Sciences*, **32**(8), 491-494. <https://doi.org/10.1016/j.jksues.2019.07.003>

- Ivanov V., Stabnikov V., **Stabnikova O.**, Salyuk A., Shapovalov E., Ahmed Z., Tay J.H. (2019) Iron-containing clay and hematite iron ore in slurry-phase anaerobic digestion of chicken manure. *AIMS Materials Science*, **6**(5), 821–832. <https://doi.org/10.3934/matersci.2019.5.821>
- Gregirchak N., **Stabnikova O.**, Stabnikov V. (2020) Application of lactic acid bacteria for coating of wheat bread to protect it from microbial spoilage. *Plant Foods for Human Nutrition*, **75**, 223–229. <https://doi.org/10.1007/s11130-020-00803-5>
- Kryzhova Yu., Antonuk M., Stabnikov V., **Stabnikova O.** Stability of selenium and iodine in the functional meat products prepared with seaweeds under different cooking procedures. *Ukrainian Food Journal*, 2021, **10**(1), 136-144. <https://doi.org/10.24263/2304-974X-2021-10-1-12>
- Ivanov V., Shevchenko O., Marynin A., Stabnikov V., Gubenia O., **Stabnikova O.**, Shevchenko A., Gavva O., Saliuk A. Trends and expected benefits of the breaking edge food technologies in 2021–2030. *Ukrainian Food Journal*, 2021, **10**(1), 7-36. <https://doi.org/10.24263/2304-974X-2021-10-1-3>
- Stabnikova O.**, Marinin, A., Stabnikov, V. (2021) Main trends in application of novel natural additives for food production. *Ukrainian Food Journal*, **10**(3), 524–551. <https://doi.org/10.24263/2304-974X-2021-10-3-8>
- Stabnikova O.**; Stabnikov, V.; Marinin, A.; Klavins, M.; Klavins, L.; Vaseashta, A. (2021) Microbial Life on the Surface of Microplastics in Natural Waters. *Applied Sciences (Switzerland)*, **11**, 11692. <https://doi.org/10.3390/app112411692>
- Tsykhanovska I., **Stabnikova O.**, Alexandrov O., Trishch R., Blagiy O. Functional and technological properties of food nanoadditive based of double oxide of bi- and trivalent iron in lyophilic colloidal dispersed systems. *Ukrainian Food Journal*, 2021, **10**(4), 707-716. <https://doi.org/10.24263/2304-974X-2021-10-4-6>
- Tsykhanovska, I.; **Stabnikova O.**; Gubsky, S. Spectroscopic Studies of Interactions of Iron Oxide Nanoparticles with Ovalbumin Molecules. *Materials Proceedings*, 2022, 9(1), 2. <https://doi.org/10.3390/materproc2022009002>
- Stabnikova O.**, Stabnikov V., Marinin A., Klavins M., Vaseashta A. (2022). The role of microplastics biofilm in accumulation of trace metals in aquatic environment. *World Journal of Microbiology and Biotechnology*, 38:117. <https://doi.org/10.1007/s11274-022-03293-6> (Scopus) Q2
- Klavins, M.; Klavins, L.; **Stabnikova O.**; Stabnikov, V.; Marynin, A.; Anson-Bertina, L.; Mezulis, M.; Vaseashta, A. Interaction between Microplastics and Pharmaceuticals Depending on the Composition of Aquatic Environment. *Microplastics 2022*, 1, 520–535. <https://doi.org/10.3390/microplastics1030037>

PATENTS

- Tay J. H., Tay S. T. L., Ivanov V., **Stabnikova O.**, Wang J.Y. US Patent 7 393452. (2008) Compositions and methods for the treatment of wastewater and other waste. Publication date: 07.01.2008. Filing date: 04.11.2003. International Classes: C02F3/30; C02F3/34.
- Tay J. H., Tay S.T.L., Ivanov V., **Stabnikova O.**, Wang J.Y. Singapore Patent 106658. (2006) Compositions and methods for the treatment of wastewater and other waste. . Publication date: 31. 10. 2006. Filing date: 16.04.2002. International Classes: C02F3/30; C02F3/34.
- Stabnikova O.V.** and others. (2001) Method for groundwater denitrification. Patent of Ukraine 35515, MKI C02F3/30, C02F3/34, Appl. № 2000021166 from 28.02.2000, Publ. 15.03.2001, Bulletin № 2.
- Stabnikova E.V.** and others. (1982) Apparatus for microbial cultivation. Patent of USSR 737438.

- Stabnikova E.V.** and others. Method of dough preparation with microbial polysaccharides. (1981) Patent of USSR N 1158144.
- Stabnikova O.V.** and others. (2001) Method of dough preparation using selenium enriched yeasts. Patent of Ukraine 38464A from 15.05.2001, Bulletin N 4, class 7, A21D8/04.
- Stabnikova O.V.** and others. (2001) Method for the treatment of wastewater from food industry. Patent of Ukraine 38031A. MKI from 18.05.00, Bulletin N4, P. 4. C02 F3/30. Appl. № 2000052842
- Stabnikova E.V.** and others. (1974) Strain of *Rhodotorula glutinis*. Patent of USSR 5318544.
- Stabnikova E.V.** and others. (1974) Method of dough preparation with microbial carotene. Patent of USSR 528077.

Selected papers in peer-reviewed journals 1990 – 2002

- Stabnikova O.V.**, Ustinov Ya.V., Antonuk M.M., and Stabnikov V.P. (2002) Supplements enriched with selenium. *Grain and Bread*, **3**, 28–29. (In Ukrainian)
- Ivanov V.N., **Stabnikova E.V.**, Stabnikov V.P., Kim I.S., and Zuber A. (2002) Effects of iron compounds on the treatment of fat-containing wastewaters. *Applied Biochemistry and Microbiology*, **38** (3), 255–258. (In Russian and English)
- Ivanov V.N., Ulanov M.N., and **Stabnikova E.V.** (2001) Denitrification of drinking water by *Paracoccus denitrificans* in naturally and artificially formed biofilms. *Chemistry and Technology of Water*, **23** (1), 33–41. (In Russian)
- Stabnikova O.**, Teleshova S., Malush N., and Stabnikov V. (2000) Nitrogenous pollution of drinking underground water in Ukraine. *Scientific Reports of NUFT*, **6**, 85–87. (In Ukrainian)
- Stabnikova O.**, Teleshova S., Malush N., and Stabnikov V. (2000) Nitrogenous pollution of drinking underground water in Ukraine. *Scientific Reports of Ukrainian State University of Food Technologies*, **6**, 85–87. (In Ukrainian)
- Stabnikova E.V.**, Krasinko V.O., and Ivanov V.N. (2000) Influence of iron on the removal of ammonium from waste water during aerobic treatment. *Chemistry and Technology of Water*, **22**(2), 207–215. (In Russian)
- Ivanov V.N. and **Stabnikova E.V.** (1999) Use of data on the DNA G+C content in the study of molecular phylogeny of methanogenic archaeobacteria. *Microbiology*, **68**(5), 710-715. (In Russian and English)
- Stabnikova E.V.**, Krasinko V.O., Yamkovui O.O., and Ivanov V.N. (1998) Development of new nitrogen fertilizer as by-product of the treatment of protein-containing wastewater. *Food Industry*, **43-44**, 154–159. (In Russian)
- Ivanov V.N., Sihanonth P., and **Stabnikova E.V.** (1999) Amensalism of nitrifying and iron-oxidizing bacteria in the biofilm of aquacultural biofilter. *Journal of Applied Microbiology. Symposium Supplement*, **85**: 258S–259S.
- Ivanov V.N. and Stabnikova E.V. (1997) Use of the G+C content of DNA for determination of molecular phylogeny of nitrifying bacteria. *Microbiology*, **66**(3), 324–329 (In Russian and English).
- Ivanov V.N., **Stabnikova E.V.**, and Shirokih V.O. (1997) Effect of divalent iron oxidation on nitrification in model aquatic and soil microbial ecosystems. *Microbiology*, **66**(3), 337–341 (In Russian and English)
- Stabnikova E.V.**, Selezneva M.V., Dul'gerov A.N., and Ivanov V.N. (1996) Use of the biological preparation Lestan for cleaning soils contaminated with oil hydrocarbons. *Applied Biochemistry and Microbiology*, **32**(2), 202-206. (In Russian and English)

- Ivanov V.N. and **Stabnikova E.V.** (1995) Continuous cytofluorometrical study of synchronous and asynchronous yeast cultures. *Microbiological Journal*, **57**(1), 92–95. (In Russian)
- Ivanov V.N., Svechnikova T.A., **Stabnikova E.V.**, and Gregirchak N.N. (1995) Structure of cell cycle and age structure of bacterial populations. *Microbiological Journal*, **57**(4), 3–11.
- Moskovchenko M.V., **Stabnikova E.V.**, and Ivanov V.N. (1995) Production of biosurfactant from microbial biomass. *Food Industry*, **40**, 3–6. (In Russian)
- Stabnikova E.V.**, Selezneva M.V., Ivanov V.N., and Reva O. (1995) Theoretical and experimental screening of microbial component of biopreparation using for bioremediation of soil contaminated with oil. *Applied Biochemistry and Microbiology*, **31**, 534–540. (In Russian and English)
- Moskovchenko M.V., **Stabnikova E.V.**, and Ivanov V.N. (1995) Optimization of microbial biomass hydrolysis for the production of biogenic foam. *Food Industry*, **40**, 3–6. (In Russian)
- Ivanov V.N., Svechnikova T.A., **Stabnikova E.V.**, and Gregirchak N.N. (1995) Structure of bacterial cell cycle and age structure of bacterial populations. *Microbiological Journal*, **57**, 3–12. (In Russian)
- Ivanov V.N., Dulgerov A.N., and **Stabnikova E.V.** (1994) Activity of some ecological groups of microorganisms after the pollution of soil by oil hydrocarbons. *Microbiological Journal*, **56**, 58–65. (In Russian)
- Stabnikova E.V.**, Ivanov V.N., Gregirchak N.N., Dulgerov A.N. (1993) Utilization of neuston forms of bacilli for treatment and decontamination of surface waters. *Mikrobiologicheskyy Zhurnal*, **55**(2), 88–94. <https://pubmed.ncbi.nlm.nih.gov/8497205/>
- Moskovchenko M.V., **Stabnikova E.V.**, Ivanov V.N., and Paneszdá N.A. (1993) Using of biogenic surfactants in microbiological bioremediation of the soil polluted with oil. *Microbiological Journal*, **55**, 75–78 (In Russian)
- Stabnikova E.V.**, Gregirchak N.N., and Ivanov V.N. (1992) The age specificity of interaction between bacterial cells and liquid - gas interface. *Microbiology*, **61**(6), 1038–1042. (In Russian and English) <https://pubmed.ncbi.nlm.nih.gov/1297041/>
- Stabnikova E.V.**, Gregirchak N.N., Taranenko T. O., and Nudga A.Yu. (1991) Selection of neuston forms of bacteria. *Microbiological Journal*, **53**(5), 33–37. (In Russian)
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