

**Публікації викладачів випускових кафедр (третій освітньо-науковий рівень,
спеціальність 162 Біотехнології та біоінженерія, ОНП - Біотехнології) в
міжнародних наукометрических базах Scopus та Web of Science**

Кафедра екобіотехнології та біоценетики

- 1.Zubchenko L. Characteristics of biofilm formation process in the bioelectrochemical systems, working in batch-mode of cultivation / L. Zubchenko, Ye. Kuzminskiy // Chemistry & Chemical Technology. – 2017. – Vol. 11. – №. 1. – P. 105–110
- 2.Sabliy L., Kuzminskiy Ye., Zhukova V., Kozar M., Sobczuk H. New Approaches in Biological Wastewater Treatment aimed at Removal of Organic Matter and Nutrients / Ecological Chemistry & Engineering S, Vol. 26, No. 2, 2019, P. 331-343.
3. Galkin, O. Y., Gorshunov, Y. V., Besarab, O. B., & Shchurska, K. O. (2018). Biotechnology for obtaining hybrid positive control samples for immunoassay for detecting antibodies against Chlamydia trachomatis. Regulatory Mechanisms in Biosystems, 9(2), 141–147. ; DOI - <https://dx.doi.org/10.15421/021821>
- 4.Konontcev S., Sabliy L., Kozar M., Korenchuk N. Treatment of recirculating water of industrial fish farms in phytoreactor with Lemnoideae / Східно-Європейський журнал передових технологій. – 2017. - № 5/10 (89). – C. 61-66.
- 5.Blyashyna M., Zhukova V., Sabliy L. Processes of biological wastewater treatment for nitrogen, phosphorus removal by immobilized microorganisms/ Східно-Європейський журнал передових технологій. – 2018. - № 2/10 (92). – C. 30-37.
- 6.Kvartenko O., Sabliy L., Kovalchuk N., Lysytsya A. The use of the biological method of treating iron containing underground water / J. of water and land development. - 2018, No. 39 (X-XII): 77-82. PL ISSN 1429-7426, e – ISSN 2083-4535. DOL: 10.2478/jwld – 2018 – 0061.
- 7.Konontcev S., Sablij L., Pylypenko Yu. Grokhovska Y., Kovalev Yu. Purification of ras circulating water from phosphorous compounds / Acta Biol., Univ. Daugavp. – 2017. - №17 (2). – p. 193-197.
- 8.Sablii L., Obodovych O., Sydorenko V., Korenchuk M. Increase in the efficiency of removal of irons from wastewater by aquatic plant “*Lemna minor*” / Acta Periodica technologica, V. 50, 2019.
- 9.Kvartenko O., Gryuk I., Sabliy L. Model of biomimetic mineralization of ferrum compounds by *Gallionella* cells immobilized on contact loading of bioreactor / Energy Eng. and Control Systems, 2017, Vol. 3, No. 2, pp. 51–56. <https://doi.org/10.23939/jeeecs2017.02.051>
- 10.Golub N., Lev tun I. Impact of sound irradiation on Chlorella vulgaris cell metabolism // Eastern european journal of enterprise technologies. - 2016, -№2. -C. 27-31.
11. Golub N, Kozlovets A., Voievoda D. Technology of anaerobic-aerobic treatment wastewaters from nitrogen compounds after biogas production / Eastern european journal of enterprise technologies. - 2016. V.10. №.3. - P. 35-40
12. N. Golub Obtaining biogas during fermentation of fat-containing wastes of leather production / N. Golub, M. Shynkarchuk, O. Kozlovec // Eastern-European Journal of Enterprise Technologies, 6/10 (90), 2017. – pp. 4-10.
13. Golub, N.B., Shinkarchuk, M.V., Kozlovets, O.A. et al. Determination of Biogas Producers in Antibiotic -Containing Sewage. Water Air Soil Pollut 231, 445 (2020). <https://doi.org/10.1007/s11270-020-04805-6>
14. Nataliia Golub, Zhu Ying, Malvina Shinkarchuk, Olexsandr Kozlovets, Igor Lev tun, Shan Ranra Wastewater purification from antibiotics with simultaneous biogas production / JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY AND FOOD SCIENCES Vol. 10 N 2 P/ 170-175
15. The role of higher plants in wastewater treatment (on the example of Lemma minor)
Marina Kozar¹, Larisa Sabliy¹, Mykola Korenchuk¹, Nadezhda Karpenko², Sergey Makeev², Aleksandr Korshunov³ and Vladimir Kosolapov⁴ Published under licence by IOP Publishing Ltd IOP Conference Series: Earth and Environmental Science, Volume 390, XVI-th International youth Science and Environmental Baltic Region Countries Forum 7–9 October 2019, Gdansk, Poland, P. 1-6.

Кафедра біоінформатики

1. Gorobets S. Analysis of effectiveness of magnetically labeled biosorbent obtained through the mechanical and magneto-hydrodynamic stirring / S. Gorobets, O. Gorobets, Yu. Chyzh, O. Kovalyov, V. Perizhok, V. Golub // EUREKA: Physics and Engineering. – 2016. – №5. – P. 37–43. <http://dx.doi.org/10.21303/2461-4262.2016.00165>
2. Gorobets S. Examining the properties of dry magnetically controlled biosorbent, obtained by the method of mechanical and magneto-hydrodynamic agitation / S. Gorobets, O. Gorobets, O. Kovalyov, K. Hetmanenko, S. Kovalyova // Eastern-European Jurnal of Enterprise Technologies. – 2016. – №6/10 (84). – P. 57–63. <http://dx.doi.org/10.15587/1729-4061.2016.86077>
3. Medviediev O. Fractal dimension of the resistant and sensitive breast cancer cells to doxorubicin activity / O. Medviediev, V. Chekhun, S. Gorobets, I. Demyanenko, K. Butenko // Functional Materials. – 2016. – 1(23). – P. 49-54. <http://dspace.nbuv.gov.ua/handle/123456789/119719> <http://dx.doi.org/10.15407/fm23.01.049>
4. Ferromagnetic resonance in the ethmoid bones of salmon and silver carp. Poster presentation at the JEMS, PS.2.043 (Glasgow, United Kingdom, 21-26 August, 2016). S.V. Gorobets, V.O. Golub, M. Gromnadska. <https://iopscience.iop.org/article/10.1088/1742-6596/903/1/012001/meta>
5. Gorobets S. The development of a magnetically operated biosorbent based on the yeast Saccharomyces cerevisiae for removing copper cations Cu²⁺ / S. Gorobets, Yu. Karpenko // Eastern-European Jurnal of Enterprise Technologies. – 2017. – №1/6 (85). – P. 28-34. http://nbuv.gov.ua/UJRN/Vejpte_2017_1%286%29_6 <http://dx.doi.org/10.15587/1729-4061.2017.91390>
6. Gorobets S. V. Biogenic magnetic nanoparticles in lung, heart and liver / S. V. Gorobets, O. Yu. Gorobets, O. V. Medviediev, V.O. Golub, L.V. Kuzminykh // Functional Materials. – 2017. – 24 (3). – P. 405-408. <http://dx.doi.org/10.15407/fm24.03.405>
7. Gorobets S.V. Potential producers of biogenic magnetic nanoparticles among disease-producing microorganisms of the brain / S.V. Gorobets, O.Yu. Gorobets, Y.A. Darmenko // Functional Materials. – 2017. – 24 (3). – P. 400-404. <https://doi.org/10.15407/fm24.03.400>
8. Gorobets S. Ferromagnetic resonance in the ethmoid bones of salmon and silver carp / S. Gorobets, O. Gorobets, V. Golub, M. Gromnadska // Journal of Physics: Conference Series. – 2017. – Vol.903. – Conf. 1. <https://doi.org/10.1088/1742-6596/903/1/012001>
9. Medviediev O. The prediction of biogenic magnetic nanoparticles biominerization in human tissues and organs / O. Medviediev, O. Yu. Gorobets, S.V. Gorobets, V. S. Yadrykhins'ky // Journal of Physics: Conference Series (JPCS). – 2017. – V. 903. – Conf. 1. <https://doi.org/10.1088/1742-6596/903/1/012002>
10. Gorobets O. Physiological origin of biogenic magnetic nanoparticles in health and disease: from bacteria to humans / O. Gorobets, S. Gorobets, M. Koralewski // International Journal of Nanomedicine. – Vol. 12. – P. 4371-4395. – 2017. <https://doi.org/10.2147/IJN.S130565>
11. Mikeshyna H.I. Influence of biogenic magnetic nanoparticles on the vesicular transport / H.I. Mikeshyna, Y.A. Darmenko, O.Yu. Gorobets, S.V. Gorobets, I.V. Sharay, O.M. Lazarenko // Acta Physica Polonica A. – 2018. – Vol. 133. – № 3. – P.731-733. <http://przyrbwn.icm.edu.pl/APP/PDF/133/app133z3p121.pdf>
12. Gorobets S. Magnetic force microscopy of the ethmoid bones of migratory and non-migratory fishes / S. Gorobets, O. Gorobets, M. Bulaevska, I. Sharau // Acta Physica Polonica A. – 2018. – Vol. 133. – № 3. – P.734-737. <http://przyrbwn.icm.edu.pl/APP/PDF/133/app133z3p122.pdf>
13. Gorobets O. Yu. Detection of biogenic magnetic nanoparticles in human's aortic aneurysms / O. Yu. Gorobets, S.V. Gorobets, Y.A. Darmenko, I. V. Sharay, O.M. Lazarenko // Acta Physica Polonica A. – 2018. – Vol. 133. – № 3. – P.738-741. <http://przyrbwn.icm.edu.pl/APP/PDF/133/app133z3p123.pdf>
14. Gorobets S. Biogenic magnetic nanoparticles in human organs and tissues / Gorobets S., Medviediev O., Gorobets O., Ivanchenko A. // Progress in Biophysics and Molecular Biology. – 2018. – Vol. 135. – P.49-57. DOI: 10.1016/j.pbiomolbio.2018.01.010 https://www.researchgate.net/publication/322890233_Biogenic_magnetic_nanoparticles_in_human_organs_and_tissues

15. Gorobets S., Gorobets O., Gorobets Yu., Bulaievska M. Ferrimagnetic organelles in multicellular organisms. arXiv:1811.06717 [q-bio.TO] – Applied Microbiology and Biotechnology, 2019. <https://arxiv.org/ftp/arxiv/papers/1811/1811.06717.pdf>
16. Exploring the possibility of purification of water-alcohol solutions of different concentrations containing aldehydes and esters by mineral adsorbents / L. Marynchenko, V. Marynchenko, M. Hyvel // Eastern-European journal of enterprise technologies – 2017, N.4/11 (88), P.10-15 DOI: 10.15587/1729-4061.2017.108750

Кафедра промислової біотехнології

- 1.N.A. Yamborko, G.O. Iutynska, A.M. Dugan,D.O. Farfolameieva. Stenotrophomonas maltophilia imv b-7288 as the promising destructor of hexachlorocyclohexane isomers complex at aerobic conditions. Мікробіологія і біотехнологія. 2020. No 2. C. 23–32
- 2.V. Polishchuk, O.Dugan. Prospects of Using Glucose-Fructose Syrup in the Riboflavin Biotechnology. Bioprocesses, Biotechnology of Food products. V.14. – 2. – 2020. – P. 25-32.
- 3.Jangra, M. , Belur, P. D., Oriabinska, L. B. and Dugan, O. M. (2016), Multistrain probiotic production by co- culture fermentation in a lab- scale bioreactor. Eng. Life Sci., 16: 247-253. doi:10.1002/elsc.201500069
- 4.L.Oriabinska, S.Vasylyuk,. V Novikov, V.Lubenets Ethylthiosulfanilate effect on Candida tropicalis //. Ukr. Biochem. J., 2017, Vol. 89, N 5, p70-76
- 5.Oriabinska, L. Lazarenko, Prasanna B.D. Probiotic and biotherapeutic properties of the tanazopositive Lactobacillus plantarum MTCC 2621 strain //Antibiotics and chemotherapy.2019; 64 (7-8): p.
- 6.Polishchuk V., Dugan O. Prospects of using glucosefructose syrup in the riboflavin biotechnology // Food science and technology. 2020. Vol. 14, Issue 2. P. 25-32 DOI: <https://doi.org/10.15673/fst.v14i1.1512>
- 7.Galkin O.Yu., ,Lutsenko T.M. Gorshunov Yu.V., Motronenko V.V. Development of the method for microbiological purity testing of recombinant human interleukin-7-based product // Ukr. Biochem. J. – 2017. – Vol. 89, 3. – P. 52-59.
- 8.Lutsenko T.N., Kovalenko M.V., Galkin O.Yu. Validation of biological activity testing procedure of recombinant human interleukin-7 // Ukr. Biochem. J. – 2017. – Vol. 89, 1. – P. 82-89.
- 9.Bondarenko L.B., Gorchakova N.O., Golembiovsk O.I., Galkin O.Yu. New perspective fixed combination for the treatment of the hepatobiliar system diseases: substantiation of pharmacotherapeutic properties and pharmaceutical quality profile // Regulatory Mechanisms in Biosystems. – 2018. – Vol. 9(1). – P. 23–40. doi: 10.15421/021804.
- 10.Galkin O.Yu., Gorshunov Yu.V., Besarab O.B., Ivanova O.M. Development and characterization of highly informative ELISA for the detection of IgG and IgA antibodies to Chlamydia trachomatis // Ukr. Biochem. J. – 2018. – Vol. 90, 3. – P. 49-62.
- 11.Galkin O.Yu., Besarab O.B., Pysmenna M.O., Gorshunov Yu.V., Dugan O.M. Modern magnetic immunoassay: biophysical and biochemical aspects // Regulatory Mechanisms in Biosystems. – 2018. – Vol. 9(1). – P. 47–55. doi: 10.15421/021806.

12. Grigorieva S.M., Starosyla D.B., Rybalko S.L., Motronenko V.V., Lutsenko T.M., Galkin O.Yu. Effect of recombinant human interleukin-7 on *Pseudomonas aeruginosa* wound infection. Ukrainian Biochemical Journal, 2019, Vol. 91, N 5. P.9-17.

13. T.S. Todosiichuk, V.V. Klochko, Ya.I. Savchuk, O.P. Kobzysta. New antibiotic substances of the *Streptomyces albus* enzybiotic complex / Microb. j. - 2019. - №5. - p. 62-72.