

Publications: National Technical University “Kharkiv Polytechnic Institute”

SDG6: Clean Water and Sanitation (2021-2024)

№	Title	Authors	Year	Scopus Source title	Abstract
1.	Anaerobic co-digestion of agro-industrial waste with cheese whey: Impact of centrifuge comminution on biogas release and digestate agrochemical properties	Ivanchenko, A., Yelatontsev, D., Savenkov, A.	2021	Biomass and Bioenergy	https://www.scopus.com/record/display.url?eid=2-s2.0-85101264158&origin=resultslist
2.	Investigation in Techniques for Using Sewage Sludge as an Energy Feedstock: Poland’s Experience	Vambol, V., Kowalczyk-Juško, A., Józwiakowski, K., Mazur, A., Vambol, S., Khan, N.A.	2023	Ecological Questions	https://www.scopus.com/record/display.url?eid=2-s2.0-85144181560&origin=resultslist
3.	Utilizing thiourea-modified biochars to mitigate toxic metal pollution and promote mustard (<i>Brassica campestris</i>) plant growth in contaminated soils	Saleem, I., Ahmed, S.R., Lahori, A.H., Mierzwa-Hersztek, M., Bano, S., Afzal, A., Muhammad, M.T., Afzal, M., Vambol, V., Vambol, S., Zhang, Z.	2024	Journal of Geochemical Exploration	https://www.scopus.com/record/display.url?eid=2-s2.0-85178614473&origin=resultslist
4.	Application of copper and aluminium electrode in electro coagulation process for municipal wastewater treatment: A case study at Karachi	Rafique, L., Adnan, A., Taha, A., Bano, S., Vambol, S., Mushtaq, T., Ilyas, N., Hussain, S., Borysova, L., Kovalov, O.	2023	Ecological Questions	https://www.scopus.com/record/display.url?eid=2-s2.0-85144227807&origin=resultslist

5.	Purification of Cr(VI)-containing wastewater by chemical precipitation: Test results of an experimental-industrial installation	Suvorin, A.V., Shorokhov, M.N., Ozheredova, M.A., Bliznjuk, O.N., Ryshchenko, I.M., Masalitina, N.Yu.	2021	Voprosy Khimii i Khimiches koi Tekhnolog ii	https://www.scopus.com/record/display.url?eid=2-s2.0-85106944716&origin=resultslist
6.	Research of the chlorine sorption processes when its deposition by water aerosol	Kustov, M., Melnychenko, A., Taraduda, D., Korogodska, A.	2021	Materials Science Forum	https://www.scopus.com/record/display.url?eid=2-s2.0-85112073608&origin=resultslist
7.	THE USE OF BROWN COAL IN UKRAINE TO OBTAIN WATER-SOLUBLE SORBENTS	Sinitsyna, A.O., Karnozhitskiy, P.V., Mirosnichenko, D.V., Bilets, D.Yu.	2022	Naukovyi Visnyk Natsionaln oho Hirnychoh o Universyte tu	https://www.scopus.com/record/display.url?eid=2-s2.0-85137279530&origin=resultslist
8.	DISCHARGE IN GAS BUBBLES IN WATER AS A SOURCE OF AN INTENSIVE FACTORS' COMPLEX FOR WATER DISINFECTION: COMPARISON EXPERIMENTAL AND COMPUTER MODELLING RESULTS	Boiko, M.I., Makogon, A.V.	2022	Technical Electrodyn amics	https://www.scopus.com/record/display.url?eid=2-s2.0-85131310887&origin=resultslist
9.	Complex Approach to the Processing of Polymer Waste into Fuel, Lubricant Materials and Construction Materials for the Oil Refining Industry	Grigorov, A., Tulskii, H., Chyrkina, M., Bondarenko, S., Vavreniuk, S.	2023	Petroleum and Coal	https://www.scopus.com/record/display.url?eid=2-s2.0-85172802913&origin=resultslist

10.	Impact of Covid-19 on Yamuna River water quality: Possible ways to rejuvenate the riverine ecosystem in national capital of India	Umamah, M., Sadaf, N., Khan, N.A., Mufti, A., Farooqi, I., Khan, M.A., Gauhar, M., Ali, K., Gautam, S., Khan, A.S., Dhupper, R., Vambol, S.	2024	Ecological Questions	https://www.scopus.com/record/display.url?eid=2-s2.0-85181967574&origin=resultslist
11.	Equipment for Oilfield Wastewater Treatment Using Swirling Flows	Liaposhchenko, O., Moiseev, V., Starynskyi, O., Manoilo, E., Seif, H.	2021	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85111299635&origin=resultslist
12.	An Effective Way of Removing Organic Chemical Contaminants from Wastewater	Sinkevych, I., Tulska, A., Mardupenko, O., Rezvaya, K., Vakal, V.	2023	Lecture Notes in Networks and Systems	https://www.scopus.com/record/display.url?eid=2-s2.0-85171994235&origin=resultslist
13.	Individual Heat Substations Integrated with Heat Pumps for District Heating Systems in Ukraine	Yuzbashyan, A., Polyvianchuk, A., Klemeš, J.J., Kapustenko, P., Klochok, E., Arsenyeva, O.	2021	Chemical Engineering Transactions	https://www.scopus.com/record/display.url?eid=2-s2.0-85122507739&origin=resultslist
14.	Improving The Ecological Safety Of Potato Chips Production By Devising A Method For Wastewater Treatment And Recycling	Hetta, O., Shestopalov, O., Duhanets, V., Shubravskaya, O., Rudkovskyi, O., Paraniak, N., Riazanova-Khytrovska, N., Maksimenko, O.	2021	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85118502131&origin=resultslist
15.	THE RESULTS OF SURFACE WASTEWATER TREATMENT OF A MACHINE-BUILDING ENTERPRISE FROM PETROLEUM PRODUCT CONTAMINATION	Bosiuk, A., Shkop, A., Kulinich, S., Loboiko, V., Sakun, A., Shestopalov, O., Filenko, O.	2024	International Journal of Mechatronics and Applied Mechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85197353596&origin=resultslist

16.	Increasing the accuracy of measuring the physicochemical parameters of wastewater samples when implementing a new informative method	Sebko, V.V., Zdorenko, V.G., Zashchepkina, N.M., Barylko, S.V.	2023	Journal of Achievements in Materials and Manufacturing Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85165129752&origin=resultslist
17.	IDENTIFYING THE RISKS OF ARMED CONFLICT IMPACT ON THE ECOSYSTEM	Kyrpychova, I., Berezenko, K., Bordiuho, O., Skakovskiy, S., Sopova, N., Chupryna, Y., Liubytskyi, S., Komarysta, B., Bendiuh, V., Nosyriev, O.	2024	Eastern-European Journal of Enterprise Technologies	https://www.scopus.com/record/display.url?eid=2-s2.0-85189956316&origin=resultslist
18.	Multi-component wastewater from finely dispersed impurities treatment intensification	Bosiuk, A., Shkop, A., Kulinich, S., Samoilenko, D., Shestopalov, O., Tykhomyrova, T.	2024	Ecological Questions	https://www.scopus.com/record/display.url?eid=2-s2.0-85202587593&origin=resultslist
19.	Environmental management implementation in wastewater treatment at a machine-building enterprise: From theory to practice	Bosiuk, A., Filenko, O., Shkop, A., Kulinich, S., Tykhomyrova, T., Shestopalov, O.	2023	E3S Web of Conferences	https://www.scopus.com/record/display.url?eid=2-s2.0-85171169890&origin=resultslist
20.	Purification of Oilfield Wastewater by Inertial Methods	Liaposhchenko, O., Moiseev, V., Manoilov, E., Seif, H.	2022	Lecture Notes in Mechanical Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85132125390&origin=resultslist
21.	Computer simulation of operation plant effective modes for water disinfection by electrical discharges in gas bubbles	Boiko, M.I., Tatkova, K.S.	2024	Electrical Engineering and Electromechanics	https://www.scopus.com/record/display.url?eid=2-s2.0-85185303094&origin=resultslist

22.	Four-parameter electromagnetic method for determining the parameters of brewery effluents	Sebko, V.V., Pyrozhenko, Ye.V., Zashchepkina, N.M., Zdorenko, V.G., Markina, O.M.	2022	Journal of Achievements in Materials and Manufacturing Engineering	https://www.scopus.com/record/display.url?eid=2-s2.0-85148739985&origin=resultslist
23.	The Application of MgO-Modified Biochars for the Immobilization of Ni, Cu, Pb, and Cr in Stone Crushing and Mining-Polluted Soil	Saleem, I., Lahori, A.H., Mierzwa-Hersztek, M., Afzal, A., Muhammad, M.T., Ahmed, M.S., Vambol, V., Vambol, S.	2024	Agronomy	https://www.scopus.com/record/display.url?eid=2-s2.0-85199632212&origin=resultslist
24.	Improving the Reliability of Circulating Water Supply Installations of Thermal Power Plants	Moiseev, V., Manoilo, E., Manoilo, Y., Repko, K., Davydov, D.	2023	Lecture Notes in Networks and Systems	https://www.scopus.com/record/display.url?eid=2-s2.0-85172001379&origin=resultslist