

## Publications: National Technical University “Kharkiv Polytechnic Institute”

### SDG15: Life on Land (2021-2024)

№	Title	Authors	Year	Scopus Source title	Abstract
1.	Experimental management of ecological security of territorial facilities for forecasting the developing economy dynamics	Perevozova, I., Horal, L., Daliak, N., Karlova, O., Chekmasova, I., Shyiko, V.	2021	IOP Conference Series: Earth and Environmenta l Science	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85100724727&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85100724727&amp;origin=resultslist</a>
2.	Space-borne Air Quality Monitoring of Nitrogen dioxide (NO <sub>2</sub> ) over Karachi and Lahore using Remote Sensing Tools	Rehmat, R., Rafique, L., Irfan, M., Ahmed, S.R., Lahori, A.H., Muhammadi, A., Taha, M., Vambol, S., Shulga, M.	2023	Proceedings of the Pakistan Academy of Sciences: Part B	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85175161441&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85175161441&amp;origin=resultslist</a>
3.	DEVELOPMENT OF METHODS FOR EVALUATING THE EFFECTIVENESS OF SMART CITIES UNDER THE CONDITIONS OF DIGITALIZATION OF CITY GOVERNANCE	Dunayev, I., Petrovska, I., Safronova, O., Darovanets, O., Darovanets, K., Mital, O., Nosyriev, O.	2022	Eastern- European Journal of Enterprise Technologies	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85133788914&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85133788914&amp;origin=resultslist</a>
4.	Forest Recovery Detection Based on U-Net and LinkNet	Podorozhniak, A., Liubchenko, N., Onishchenko, D.	2023	2023 IEEE 4th KhPI Week on Advanced Technology, KhPI Week 2023 - Conference Proceedings	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85179503156&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85179503156&amp;origin=resultslist</a>
5.	DESIGN OF VERBAL MODELS FOR FORMING AN OPTIMAL STRATEGY FOR SUSTAINABLE DEVELOPMENT OF SERVICE ENTERPRISES IN THE CONDITIONS OF A CRISIS	Hutsa, O.M., Yelchaninov, D.B., Merkulova, T.V., Kyriy, V.V., Ihumentseva, N.V., Dovgopol, N.V., Zabuga, S.I., Petrova, A.Yu., Peresada, O.V., Kutsak, V.A.	2022	Science and Innovation	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85133512167&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85133512167&amp;origin=resultslist</a>

6.	PERFORMANCE COMPARISON OF U-NET AND LINKNET WITH DIFFERENT ENCODERS FOR REFORESTATION DETECTION	Podorozhniak, A., Onishchenko, D., Liubchenko, N., Grynov, D.	2024	Advanced Information Systems	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85186185660&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85186185660&amp;origin=resultslist</a>
7.	Development of the Hydrophytic Structure of the Bioplateau Type for the Purification of Water Bodies From 137Cs	Lapan, O., Mikhyeyev, O., Madzhd, S., Cherniak, L., Maksimenko, O.	2022	Ecologia Balkanica	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85126951330&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85126951330&amp;origin=resultslist</a>
8.	Modeling Competitive Interaction 'Predator-Prey' on the Example of Two Innovative Processes	Voronin, A., Akhiezer, O., Galuza, A., Lebedeva, I., Zaitsev, Y., Lebedev, S.	2023	Proceedings - International Conference on Advanced Computer Information Technologies, ACIT	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85175571276&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85175571276&amp;origin=resultslist</a>
9.	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	<a href="https://www.scopus.com/record/display.url?eid=2-s2.0-85199632212&amp;origin=resultslist">https://www.scopus.com/record/display.url?eid=2-s2.0-85199632212&amp;origin=resultslist</a>