

## PhD (Dr) Maryna Kyrychenko-Babko

ORCID <https://orcid.org/0000-0002-6234-2896>

- Kirichenko-Babko M.**, Bulak P., Kaczor M., Proc-Pietrycha K., Bieganowski A. 2024. Arthropods in landfills diversity and their accumulation potential for toxic elements: A review. *Environmental Research*, 251(10), 118612. DOI:10.1016/j.envres.2024.118612
- Kaczor M., Bulak P., Proc-Pietrycha K., **Kirichenko-Babko M.**, Bieganowski A. 2023. The variety of applications of *Hermetia illucens* in industrial and agricultural areas—review. *Biology*, 12, 25. DOI:10.3390/biology12010025.
- Kirichenko-Babko M.**, Perkovsky E. 2023. The first neotropical ground beetle (Coleoptera, Carabidae) from the Eocene of Ukraine: Finding the first Old World ant nest beetle related to *Eohomopterus* in the Rovno amber. *Earth and Environmental Science Transactions of The Royal Society of Edinburgh*, 144 (1–2), 115–124. DOI:10.1017/S1755691023000105.
- Kirichenko-Babko M.**, Perkovsky E.E., Vasilenko D.V. 2022. †*Antephilorhizus zerovae* sp. nov. (Carabidae: Lebiini), the second ground beetle species from Rovno amber. *Historical Biology*, 34(12), 2424–2429. DOI:10.1080/08912963.2021.2018686.
- Kirichenko-Babko M.**, Danko Y., Danylkiv J., Babko R., Majerek D. 2022. Application of unsupervised machine learning techniques to assessment of quality habitat. *Journal of Physics: Conference Series*, 2412, 012006. DOI:10.1088/1742-6596/2412/1/012006
- Kirichenko-Babko M.**, Perkovsky E.E., Vasilenko D.V. 2021. A new genus and species of Lebiini (Coleoptera: Carabidae) from late Eocene Rovno amber. *Historical Biology*, 436–442. DOI:10.1080/08912963.2021.1924701
- Kirichenko-Babko M.B.**, Danko Y.M., Danylkiv J.M., Majerek D. 2021. Comparison of the use of species abundance and presence-absence data for diversity assessment. *Journal of Physics: Conference Series*, 1736 (1), 012044. DOI:10.1088/1742-6596/1736/1/012044.
- Kapusta A., Czarkowski T.K., **Kirichenko-Babko M.**, Babko R. 2020. Ichtiofauna rezerwatów przyrody Wdeckiego Parku Krajobrazowego. *Parki Narodowe i Rezerваты Przyrody*, 39(3), 59–73. [in Poland]
- Babko R., Szulżyk-Cieplak J., Danko Y., Duda S., **Kirichenko-Babko M.**, Łagód G. 2020. Evaluation of stormwater system influence on the river using algae. *Journal of Ecological Engineering*, 21 (2), 214–221. DOI:10.12911/22998993/116353.
- Kirichenko-Babko M.**, Danko Y., Musz-Pomorksa A., Widomski M., Babko R. 2020. The impact of climate variations on the structure of ground beetle (Coleoptera: Carabidae) assemblage in forests and wetlands. *Forests*, 11, 1074. DOI:10.3390/f1101074.
- Kirichenko-Babko M.**, Danko Y., Franus M., Stepniewski W., Babko R. 2020. Riparian ground beetles (Coleoptera) on the banks of running and standing waters. *Water*, 12(6), 1785. DOI:10.3390/w12061785.
- Kirichenko-Babko M.**, Danko Y., Franus M., Stepniewski W. 2020. Effect of soil moisture on an epigeic arthropods diversity in steppe landscape. *Journal of Ecological Engineering*, 21(5), 137–147. DOI:10.12911/22998993/122375.
- Kirichenko-Babko M.**, Danko Y., Guz Ł., Majerek D., Babko R. 2019. Statistical methods in the context of environmental quality assessment: on the example of riparian beetles (Coleoptera, Carabidae). *MATEC Web of Conferences*, 252, 09010. DOI:10.1051/mateconf/201925209010.
- Kobzar L.I., **Kirichenko-Babko M.B.** “Red Book” species of insects of the Polissky Nature Reserve and its surroundings. Materials for the 4th edition of the Red Book of Ukraine. Fauna. / Seria «Conservation Biology in Ukraine». Kyiv, 2018. Iss. 7, vol. 1, pp. 364–370. [in Ukrainian]
- Kirichenko-Babko M.B.**, Kobzar L.I., Danylkiv J.M., Łagód G., Franus M. 2019. Distribution of the carabid species (Coleoptera, Carabidae) in woodlands of the protected and urban areas (North of Ukraine). *Vestnik Zoologii*, 53(2), 89–106. DOI:10.2478/vzoo-2019-0009.
- Kirichenko-Babko M.**, Danko Y., Majerek D. 2019. Selection of the optimal unit of analysis in assessing the structure of terrestrial arthropods assemblages. *IOP Conference Series: Materials Science and Engineering*, 710, 012045. Doi:10.1088/1757-899X/710/1/012045.
- Babko R., Szulżyk-Cieplak J., Danko Y., Duda S., **Kirichenko-Babko M.**, Łagód G. 2019. Effect of stormwater system on the receiver. *Journal of Ecological Engineering*, 20(6), 52–59. DOI:10.12911/22998993/109433.
- Kirichenko-Babko M.B.**, Łagód G., Majerek D., Franus M., Babko R. 2017. The effect of landscape on the diversity in urban green areas. *Ecological Chemistry and Engineering*, S, 24(4), 613–625. DOI:10.1515/eces-2017-0040.
- Kirichenko M.B.**, Gontarenko A.V. 2013. *Lymnastis* of Ukraine with the redescription of *Lymnastis novikovi* (Coleoptera: Carabidae). *Zootaxa*, 3641 (3), 233–240. DOI:10.11646/zootaxa.3641.3.3.

- Kirichenko M.**, Babko R., Łagód G. 2012. Distribution of carabid beetles (Coleoptera, Carabidae) in the urban area of Lublin. *Proceedings of Ecopole*, 6(1), 157–163. DOI:10.2429/proc.2012.6(1)021
- Kirichenko M.B.**, Danylkiv J.M. 2011. The species diversity of beetles (Coleoptera, Cicindelidae, Carabidae) on the protected areas in the city of Kyiv. *Vestnik zoologii*, 45(5), 411–420. [in Ukrainian]
- Kirichenko M.**, Babko R. 2009. The spatial population distribution of *Omophron limbatum* Fabricius, 1777 (Coleoptera, Carabidae) in the conditions of regulated rivers. *Teka Kom. Ochr. Kszt. Środ. Przynr.* – OL PAN, 6, 129–137.
- Babko R.V., **Kirichenko M.B.** 2009. The carabid assemblages structure (Coleoptera, Carabidae) at the territory of “Mykhajlivska tsilyna”. *Vestnik zoologii*, Supp. 22, 5–16. [in Ukrainian]
- Kirichenko M.** 2009. The tiger and ground beetles (Coleoptera: Cicindelidae, Carabidae) of the department Ukrainian steppe nature reserve “Mykhajlivska tsilyna”. *Vestnik zoologii*, Supp. 22, 17–26. [in Ukrainian]
- Berest Z.L., Bajdashnikov A.A., Kotenko A.G., Nazarenko V.Y., Petrenko A.A., **Kirichenko M.B.**, Putchkov A.V., Chernej L.S., Sheshurak P.N. Problems of preserving the diversity of the invertebrate fauna of the “Holosiivskiy” NPP. *Priorities of balanced (sustainable) development of Ukraine: Proceedings of the 2<sup>nd</sup> Ecological Congress of Ukraine (27-28 June, 2008, Kyiv)*, vol. 1. Kyiv: Centre for environmental education and information, 2008. pp. 228–233. [in Ukrainian]
- Kirichenko M.B.**, Babko R.V., Foroshchuk V.P. 2007. The tiger beetles and ground beetles (Coleoptera: Cicindelidae, Carabidae) of the Luganskyi Nature Reserve. *Vestnik zoologii*, 41(3), 277–282. [in Ukrainian]
- Kirichenko M.B.**, Kravchenko O.M. 2006(2007). An annotated list of the tiger beetles and ground beetles (Coleoptera: Cicindelidae, Carabidae) of Shatski National Natural Park and the adjacent territory. *The Kharkov Entomological Society Gazette*, XIV (1–2), 9–18.
- Kirichenko M.B.**, Babko R.V. 2004(2005). Results of study of tiger beetles and ground beetles’ fauna (Coleoptera: Cicindelidae, Carabidae) of the forest and forest-steppe zones of North-Eastern Ukraine. *The Kharkov Entomol. Soc. Gazette*, 12(1-2), 28–36. [in Ukrainian]
- Putchkov A.V., **Kirichenko M.B.**, Uspenskyi G.B. 2003. Carabid beetles (Coleoptera, Carabidae) of the Lysaya Hora Restrict Access in Kyiv. *Vestnik zoologii*, 16, 111–113. [in Russian]
- Kirichenko M.B.** 2000. The degree of knowledge of the ground beetle fauna (Coleoptera, Carabidae) of floodland habitats of Polesye area, East European plain. *Vestnik zoologii*, 1-2, 93–101. [in Russian]
- Babko R.V., **Kirichenko M.B.** 2000. The determination of biotope preferendum of species. *The Kharkov Entomological Soc. Gazette* 8(2), 60–62. [in Ukrainian]
- Kirichenko M.B.** 1998. The riparian communities (Coleoptera, Carabidae) under the influence of the control by reservoirs. *Vestnik zoologii*, 9, 69–72. [in Ukrainian]
- Kirichenko M.B.** 1998. To the study of ground beetle fauna (Coleoptera, Carabidae) of floodland habitats of eastern part of the Forest-Steppe of Ukraine. *Vestnik zoologii*, 4, 38–44. [in Russian]
- Kirichenko M.B.** 1997. The fauna of ground beetles (Coleoptera, Carabidae) of the northeast Forest-Steppe of Ukraine. *The Kharkov Entomological Soc. Gazette*, 5(2), 75–79. [in Ukrainian]