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STRATEGY AND BEHAVIER OF ALIEN SPECIES IN INDUSTRIAL REGION

It has been determined that all the stream of alien species going to the south east of Ukraine, being distributed in technogenous ecotopes, is differentiated by some basic groups of ecotopes according to the degree of species anthropotolerance and ecologic capacity of ecotope. By means of multidimensional statistics methods it has been ascertained that adventive fractions of technogenous ecotope floras form in a factor space three separate groups which are formed in: non-toxic primary and secondary technogenous ecotopes; toxic secondary ecotopes (by-product coke industry, chemical, metallurgical works); toxic primary ecotopes (ash-, slag and sludge dumps, ferromanganese dumps, zirconium quarries). Special investigations of the differences among the adventive fractions groups testify that spontaneous separation of all migrating species into various groups in factor space is explained by the fact that they are colonizing technogenous ecotopes of different degree of anthropogenic transformation and in result they have different anthropogenous tolerance. Under the increase of anthropogenic impact in technogenous ecotope, there is observed the increased number of annual plants, xeromesophytes, terophytes from holarctic, pluriregional or Euroasian range types, North American, Mediterranean or Asian species from Asteraceae and Chenopodiaceae families in adventive fractions of floras.

keywords: alien flora, anthropogenic habitats