

VIII International Conference on Anthropization and Environment
of Rural Settlements. Flora and vegetation in a changing landscape.

PROCEEDINGS

Department of Plant Systematics
Department of Geobotany and Nature Protection
Faculty of Biology and Environmental Protection
University of Silesia

Katowice, Poland, 30.06 - 02.07.2008



The nonnative flora of Regional Landscape Park “Lysa Gora” (Kyiv, Ukraine): preliminary analysis and management approaches

IVAN YURIYOVYCH PARNIKOZA¹, YULIIA VOLODYMYRIVNA GRECHYSHKINA²

¹ *National Museum “Kyivs'ka Fortetsya”
Hospital'na 24, 01133 Kyiv, Ukraine*

² *Vascular Plants Department, M.G. Kholodny Institute of Botany,
National Academy of Sciences of Ukraine, Ukraine*

e-mails: Parnikoza@gmail.com jbozhko@yahoo.com

Key words: alien plants, flora, Lysa Gora, Kyiv, Ukraine

Kyiv is the largest Ukrainian city and a center of intensive urbanization that causes considerable anthropogenic pressure on remaining areas with natural vegetation. One of such areas is Regional Landscape Park (RLP) “Lysa Gora” located in the south-eastern part of the city, at the border of the forest and forest-steppe physiographic and vegetation zones. During 100 years “Lysa Gora” was a restricted-access military zone, which saved its unique biodiversity. The nonnative flora of RLP “Lysa Gora” consists of at least 77 species of vascular plants belonging to 63 genera and 29 families (ca. 20% from the total flora). A comprehensive analysis of the nonnative flora is provided. The stable component of the flora consists of 54 species of 47 genera and 23 families. Epoecophytes (47 species, or 61%) greatly prevail. The percentage of archaeophytes (ca. 30%) is lower than that of kenophytes (ca. 70%). Leading roles are played by species native to North America (18 species, or 23%) and the Mediterranean-Central Asian regions (12 sp, or 15.5%). Main routes of invasion of the non-native species are the railways coming close to “Lysa Gora” from two sides. Additional hot spots of non-native species are spontaneous garbage dumps. An efficient management system is needed for preventing and restricting further invasions in “Lysa Gora”.