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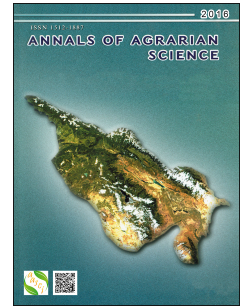
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Conspectus of trees and shrubs of Tbilisi environs (East Georgia, South Caucasus)

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Abstract

Floristic composition of Tbilisi environs trees and shrubs are studied. On the one hand, variety of physical-geographical conditions and ecosystem of Tbilisi, and on the other hand, its location conditioned either floristic or bioecological diversity of the trees and the shrubs. 177 species of trees and shrubs, belonging to 89 genera and 44 families, were recorded. 35 species of them are endemics of Caucasus and included in “Red List of the Endemic Plants of the Caucasus”. Among them 2 species are endemics of Georgia, which of them 1 is local endemic of Tbilisi environs. 18 species are plants of Red List of Georgia. Floristic composition is enriched with naturalized plants (28 species). Habitats and area of species in Tbilisi environs are established. The full list of the trees and shrubs of Tbilisi environs as a conspectus is given. The review of and vegetation of Tbilisi environs is attached to the article.

Keywords: Trees, Shrubs, Tbilisi environs, Floristic composition, Endemic.

Introduction

The part of basin of the river Mtkvari, which is spread from the vil. Dzegvi to the section between Fonichala and Rustavi, is considered conditionally in the environs of Tbilisi. Endings of the thick geographic units of various origin and geographic age are gathered in the vicinities of Tbilisi that makes its relief considerably complicated. Privately, they are involved in the environs of Tbilisi: 1. extreme southern branching of Caucasian range – Saguramo-Ialno range; 2. eastern part of Kvernaki low range (Skhaltba low range); 3. Eastern endings of Trialeti range (the ranges of Satskepela and Armazi, Mskhaldidi and Lisi, Mtatsminda, Narikhala, Tabori, Telet-sakharaulo); 4. western and extreme north-western part of Iori upland (Samgori, Vaziani, Tbilisi Sea and its adjacent territory, etc.) 5. Extreme north-western ending of Mtkvari-Araxi lowland (plains of Fonichala and Kumisi-Tsalaskuri). Hypsometrical amplitude of the Tbilisi vicinity is from 350 m to 1875 m above s.l.. Types of low and middle-height mountain-gorge and stepped plain relief are highlighted in the relief [1-5].

In the environs of Tbilisi, two types of climate with the appropriate two zone of the climate are apportioned [2, 3]: (1) The climate with insufficient humidity, dry and hot summer and mild but well expressed winter, (2) moderately humid climate with moderately warm summer and moderately cold snowy winter. The first zone of the climate contains the whole left side of the

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