

ORNAMENTAL ARBOREAL PLANTS OF FEODOSIA

Potapenko I.L., Letuhova V. Yu., Rozenberg O.G., Diordienko Y.V.

*Karadag Nature Reservation, Kururtnoe, Feodosia, Crimea Republic, Russia
Feodosia Municipal Center of Ecological-Naturalistic Work of Studying Youth "Intellect", Feodosia,
Crimea Republic, Russia
E-mail: ira_potapenko@mail.ru*

The present state of cultivated trees and shrubs in Feodosia are investigated. We examined parks, squares, streets, green zones of the biggest sanatorium etc. The biological, ecological and ornamental features of introduced and aboriginal arboreal plants were at special attention. The analysis of introducents' perspectives was conducted according to their state and decorative properties. The variety of existing forms of trees and shrubs used in planting was comprehensively evaluated.

The composition of species has been defined and their taxonomy structure analyzed. Feodosia cultivated dendroflora includes 112 species related to 77 genus of 41 families. Magnoliophyta plants are the most numerous. They occupy 36 (87,8%) families, 65 (84,4%) genus, 91 (81,3%) species. The leading role in taxonomic structure belongs to such 6 families: Rosaceae – 14 (18,2%) genus, 15 (13,4 %) species; Oleaceae – 5 (6,5%)

genus, 10 (8,9%) species; Cupressaceae – 5 (6,5%) genus, 9 (8,0%) species; Fabaceae – 5 (6,5%) genus, 5 (4,5%) species; Pinaceae – 4 (5,2%) genus, 9 (8,0%) species; Caprifoliaceae – 4 (5,2%) genus, 8 (7,1%) species.

The life forms of studying plants are the following: deciduous trees – 61 species and decorative forms, conifer trees – 27, deciduous shrubs – 22. In Feodosia there are some plants of only one evergreen leaf tree – *Quercus ilex* L., but they suffered from frosts during winters. Evergreen shrubs (8 species and garden forms) are not numerous as well as lianas (8 species and ornamental forms), evergreen lianas are among them: *Hedera taurica*, *Lonicera henryi*.

Dominant species in all parks, gardens, squares and streets of Feodosia are: *Aesculus hippocastanum* L., *Fraxinus excelsior* L. *Gleditschia triacanthos* L., *Maclura pomifera* (Raf.) Schneid., *Platanus x hispanica* Mill. ex Muenckh., *Platycladus orientalis* (L.) Franco, *Populus bolleana* Lauche, *P. italica* (Du Roi) Moench, *Robinia pseudoacacia* L. *Sophora japonica* L., *Ulmus minor* Mill. A special attention should be paid to *Platanus x hispanica* as well as *P. orientalis* and *P. occidentalis* as these species are the most valuable by their ornamental and resistance.

At Feodosia we found 21 decorative forms of arboreal plants, such as conifer trees *Cedrus atlantica* `Glauca`, *Cupressus arizonica* `Truncis pluribus`, *C. sempervirens* `Pyramidalis`, *Picea pungens* `Argentea`, *P. p.* `Glauca`, *Platycladus orientalis* `Globosa` and others; and leaf trees: *Crataegus monogyna* `Rubra-plena`, *Fraxinus excelsior* `Pendula`, *Morus alba* `Pendula`, *Prunus pissardii* Carr. (= *P. divaricata* `Atropurpurea`), *Sophora japonica* `Pendula` and others; evergreen shrubs: *Euonymus fortunei* `Aureo-variegata`, *E. japonica* `Aureo-variegata`, but it is only single plants.

The most of species (40, or 35,7%) cultivated in Feodosia are connected with Mediterranean floristic region. From Atlantic region of North America origin 14 (12,5%) species, East-Asian floristic region – 12 (10,7%), Circumboreal floristic region – 11 (9,8%).

According to our investigations the new ornamental trees and shrubs (and their decorative forms) for planting in Feodosia should be taken from arboreal aborigen flora as well as introducents mostly from arid regions of Europe, Asia and North America.

For scientific works in greenery a botanical garden in Feodosia region should be created. It would work as a scientific, educational center and a `place for rest and relax.

Keywords: dendroflora, ornamental trees and shrubs, greenery, Feodosia.

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Поступила в редакцию 29.10.2014 г.