

Department of Horticulture

The Department of Horticulture was founded in 2006 when a new course “Forestry and Horticulture” was introduced. Dr V. Cheniak (DSc in Biology) has been the head of the Department since 2007. At present the academic staff of the Department prepare graduates in Horticulture, they teach 29 disciplines. The students are offered work placements at research institutions, botanical gardens and dendro-parks. The Department has a greenhouse of 250 m². The green station of 2 ha was launched, where students acquire practical skills. The collections of one-, two-year and perennial flowers have been compiled, including chrysanthemum (40 varieties), dahlia (102 varieties), aster (159 varieties), iris (91 varieties), marigold (46 varieties). Magnolia and cotoneaster gardens were planted, 0.2 ha and 0.4 ha respectively; as well as a conifer garden of 58 species (0.7 ha).

Research

A garden centre is being constructed. The members of academic staff teach 29 disciplines, and are actively engaged in research, attend and present papers at home and international conferences.

Main spheres of research are:

- gene pool protection of ornamental plants species, enrichment and renovation of aster;
- multifaceted introduction studies of new varieties: methods of reproduction, growing and use in landscape gardening;
- selection of a wide range of promising ornamental plant species in the Forest-Steppe zone of Ukraine;
- fundamental and applied research on natural and cultured flora and its protection and use in urban landscape gardening in the Forest-Steppe zone of Ukraine;
- analysis and stocktaking of planted vegetation in towns and villages in the Forest-Steppe zone of Ukraine, landscape design.

During 2010-2015 the members of staff published 5 monographs, 3 tutorials, 65 articles. 3 PhD awards were given. The Department hosted 4 international conferences.

Academic staff

Cheniak, Volodymyr Head of the Department, DSc (Biology), Professor

He was awarded a PhD in Botany in 1988, thesis “Cultured dendroflora of the Kremenetski mountains: strategy of its use and protection”. He was awarded a DSc in Biology in 2005, thesis “Cultured dendroflora of Volyno-Podillia: strategy of its use and enhancement”. Prof. V. Cheniak has national awards of excellency in teaching (2008) and environmental protection (1986). He is the author of 177 publications including 7 monographs, 24 tutorials, 5 laboratory manuals.

Teaching: Dendrology, Park and Garden Stocktaking, Topiary Art

Ishchuk, Liubov PhD (Biology), Associate Professor

She was awarded a PhD in Botany in 2002, thesis “Environmental and biological basis of *Carpinus L.* introduction in the right-bank area of Forest Steppe zone of Ukraine and strategies of use in culture”

She is the author of 145 publications including 2 monographs, 40 articles, 24 tutorials, and co-author of the catalogue and tutorial on flower gardening.

Research interests: Adaptation potential of *Salicaceae Mirbel* and the ways of expanding in Ukraine

Teaching: Flower Gardening, Indoor Flower Gardening and Floral Arrangement Basics, Nature Reserve Studies, Agrotechnics in Green Building, Plant Architectonics, Indoor Phytodesign

Krupa, Nataliia PhD (Biology), Assistant

She was awarded a PhD in Plant Physiology in 2012, thesis “Photosynthesis and assimilate distribution as components of productive process in winter wheat varieties”

She is the author of 20 publications and co-author of 2 tutorials.

Teaching: Conservation, Reconstruction and Renovation of Park and Garden Facilities; Park and Garden Facilities Operation, Forestry, Plant Physiology

Masalskyi, Vladyslav PhD (Biology), Assistant

He was awarded a PhD in Botany in 2011, thesis “*Tilia L.* in the right-bank area of Forest Steppe zone of Ukraine: introduction, bio-ecological features, strategy of use”

He is the author of 21 publications and co-author of 3 tutorials.

Research interests: biological and environmental features of native flora planted vegetation in Bila Tserkva

Teaching: Settlement Gardening, Dendro-Project Development, Waterworks in Park and Garden Facilities, Computer Design

Oleshko, Olena PhD (Agriculture), Associate Professor

He was awarded a PhD in Agronomy in 2007, thesis “Identification of self-pollinating corn varieties bred on the basis of various genetic plasms”

Research interests: breeding, seed production and biological features of aster in the central Forest-Steppe zone of Ukraine

Teaching: Forest Breeding, Introduction and Adaptation of Ornamental Plants

Redko, Kateryna MSc, Assistant

She is the author of 5 publications.

Research interests: Landscaping of water ponds in park and garden facilities in Kyiv region

Teaching: Pictorial Art and Graphics, Composition Basics

Rohovskyi, Serhyi PhD (Agriculture), Associate Professor

He was awarded a PhD in Agronomy in 1992, thesis “Biological features of *Stevia rebaudiana* Bertoni in the right-bank area of Forest Steppe zone of Ukraine and its production”

She is the author of 65 publications, co-author of 30 tutorials.

Research interests: Adaptation potential of *Salicaceae Mirbel* and the ways of expanding in Ukraine

Teaching: Landscaping, Transplant Seedling and Seed Breeding of Ornamental Plants, Ornamental Plant Production

Zhykhareva, Kateryna Assistant, Architect

She is a practicing architect, has a number of national awards in architecture.

She is the author of 2 publications.

Research interests: principles of reconstruction and renovation in residential construction and civil engineering in historical environment

Teaching: Town Planning Basics, Landscape Architecture, Landscape Graphics, Landscape Design