**THE CHAIR OF LANDSCAPE HORTICULTURE**

|  |
| --- |
| **Chair** |
| **The chair of Landscape Horticulture** |
| **Head of Chair, Deputy Head of Chair, Chair Secretary** |
| **Head of Chair: Dr. Ivana Bjedov, Assistant Professor****Deputy Head of Chair: Dr. Jelena Tomićević-Dubljević, Associate Professor****Chair Secretary: Dr. Dragana Skočajić** |
| **Chair Development** |
| **The chair of Landscape Horticulture was established in 1979 and named "The Chair of ornamental plants production." The Head of Chair, as the chief at the time, was prof. Dr. Slobodan Stilinović, teacher of the subject planting stock production. The Chair changed its name to the Chair of Landscape Horticulture in 2002. In the period from 1976 to 1983 prof. Dr. Slobodan Stilinović (1926-2002) was a member of the Yugoslav delegation to the UN Committee for Forestry and took part in the session of the UN Conference to Combat Desertification in Nairobi. At the Faculty of Forestry he was head of the Department of Horticulture, director of the Institute of Landscape Architecture and Dean of the Faculty in the period 1977-1979.****Prof. Dr. Olga Mijanović (1933) lectured in the subjects Floriculture 1 and 2. As the representative of Yugoslavia she participated in several meetings of the European Union for the transport and market of flowers. She was Head of Chair, then Director of the Institute of Landscape Architecture, and in the period 1985-1987 Dr. Olga Mijanović was Dean of the Faculty. She retired in 2000.Prof. Dr. Miodrag Kovačević (1939) taught in the subject of economics in landscape architecture. He retired in 2005.Prof. Dr. Slobodan Lazarevic (1943-2014) was a professor of Floriculture 1 and 2. He retired in 2009.Prof. Dr. Tanja Milijašević (1954-2010) was engaged in teaching in the subject Diseases of ornamental plants.Today, there are three laboratories within the Chair: the Laboratory for tissue culture, Seed Laboratory and the Laboratory for chemotaxonomy. Administrative verification of another laboratory is in progress, and it will be used for the chemical analysis of plant material. The Center for the production of ornamental plants was established at the Faculty of Forestry campus as a separate space for the production of seedlings of ornamental trees and shrubs and flower crops (perennials). Its work is coordinated by the Chair of Landscape Horticulture.** |
| **Chair members** |
| Teaching staff:**Dr. Mihailo Grbić, full professor****Dr. Matilda Đukić, full professor****Dr. Dragica Obratov-Petković, full professor****Dr. Milka Glavendekić, full professor** **Dr. Vesna Golubović Ćurguz, associate professor****Dr. Jelena Tomićević-Dubljević, associate professor** **Dr. Ivana Bjedov, assistant professor****Dr. Danijela Đunisijević-Bojović, assistant professor****Dr. Marija Marković, assistant professor****Grad. engineer Marija Nešić, teaching assistant**Non-teaching staff:**Dr. Dragana Skočajić, professional associate****Grad. engineer Vela Jankov, laboratory technician ‒ professional associate** |
| **Chair subjects** |
| **FROM THE OFFICIAL LIST OF SUBJECTS SUBMITTED BY THE DEPARTMENT OF L.A.** |
| **Selected student papers / final papers/ master papers / dissertations/ field training** |
| **Doctoral dissertations**:**(2016) Mr Dragana Skočajić: „Rano utvrđivanje kompatibilnost Sato–Zakura trešanja i domaćih podloga spajanjem kalusa u uslovima *in vitro*”. Mentor: prof. dr Mihailo Grbić.****(2014) Mr Marija Marković: „Razmnožavanje nekih ugroženih vrsta karanfila (*Dianthus* L.) metodom mikropropagacije”. Mentor: prof. dr Mihailo Grbić.****(2013) Mr Danijela Đunisijević Bojović: „Uticaj koncentracije olova i kadmijuma u zemljištu na razvoj drvenastih biljaka”. Mentor: prof. dr Matilda Đukić.****(2012) Mr Ivana Bjedov: „Taksonomska i ekološka istraživanja vrsta roda *Vaccinium* L. u Srbiji”. Mentor: prof. dr Dragica Obratov-Petković.****(2004) Mr Slobodan Lazarević: „Utvrđivanje uticaja dubine sadnje i različitih klimatsko‑edafskih uslova na morfogenezu i reprodukciju lukovica lala (*Tulipa* x *hybrida* hort.)”. Mentor: prof. dr Olga Mijanović.****Master of Science theses**:**(2008) Dipl. inž. Marija Marković: „Mogućnost razmnožavanja vrste *Dianthus deltoides* L. metodom mikropropagacije”. Mentor: prof. dr Mihailo Grbić.****(2005) Dipl. inž. Danijela Đunisijević: “Efekat različitih regulatora rastenja i stratifikacije na klijanje semena javora (*Acer peudoplatanus* L.)”. Mentor: prof. dr Matilda Đukić.****(2005) Dipl. biolog Ivana Popović: „Vaskularna flora Divčibara”. Mentor: prof. dr Dragica Obratov Petković.****(2005) Dipl. inž. Dragana Skočajić: „Utvrđivanje stepena dormantnosti i optimalnih predsetvenih tretmana semena vrsta roda *Sorbus*”. Mentor: prof. dr Mihailo Grbić.** **Master theses:****(2016) Dipl. inž. Svetlana Civić: „Uvođenje mera integralne zaštite sadnica lišćara ‒ slučaj u ‘Biojela’ rasadniku”. Mentor: dr Milka Glavendekić,****(2016) Dipl. inž. Ivana Pantić:„Fenologija leta, biološke osobine i prirodni neprijatelji šimširovog plamenca u Srbiji”. Mentor: dr Milka Glavendekić,****(2016) Dipl. inž. Jelena Mitrović: „Uticaj zdravstvenog stanja i vitalnosti na dekorativni značaj zaštićenih stabala u Beogradu”. Mentor: dr Vesna Golubović Ćurguz.****(2016) Dipl. inž. Anja Kalinić: „Zaštita florističkog diverziteta na primeru Specijalnog rezervata prirode ‘Deliblatska peščara’”. Mentor: prof. dr Dragica Obratov Petković.****(2016) Dipl. inž. Nataša Balančević: „Floristički diverzitet Specijalnog rezervata prirode ‘Goč‒Gvozdac’ sa predlogom mera zaštite”. Mentor: prof. dr Dragica Obratov Petković.****(2016) Dipl. inž. Olivera Stefanov: „Revegetacija komunalne deponije ‘Stara deponija’ Pančevo”. Mentor: prof. dr Matilda Đukić.****(2015) Dipl. inž. Jelena Jovanović: „Status ugroženih endemičnih i reliktnih biljnih vrsta nekih nacionalnih parkova Srbije”. Mentor: prof. dr Dragica Obratov‑Petković.****(2015) Dipl. inž. Radonić Jovana: „Zastupljenost potencijalno invazivne vrste *Amaranthus retroflexus* L. na teritoriji Novog Sada”. Mentor: prof. dr Dragica Obratov‑Petković.****(2015) Dipl. inž. Jelena Petrović: Mikropropagacija *Lawsonia inermis* L. Mentor: prof. dr Matilda Đukić.****(2014) Dipl. inž. Ilija Tekić:„Zdravstveno stanje stabala u Beogradu planiranih za seču”.****(2014) Dipl. inž. Aleksandra Mitić: „Dizajn biljkama u Joga vrtu na Adi Ciganliji”. Mentor: prof. dr Matilda Đukić.****(2014) Dipl. inž. Miloš Tanasić: „Dizajn biljnih kompozicija gradskog parka u Ljuboviji”. Mentor: prof. dr Matilda Đukić.****(2014) Dipl. inž. Tamara Simonović: Procena rizika od invazivne vrste *Erigeron annuus* L. (Pers.) (Compositae) kroz EPPO proces prioritizacije. Mentor: prof. dr Dragica Obratov‑Petković****(2013) Dipl. inž. Slađana Samuilov: „Uticaj olova i gvožđa na rast i razviće kiselog drveta i značaj za fitoremedijaciju”. Mentor: prof. dr Matilda Đukić.****(2013) Dipl. inž. Aleksandra Radinović: „Ekofiziološka svojstva biljaka za zelene krovove i uticaj na mikroklimu”. Mentor: prof. dr Matilda Đukić.****(2013) Dipl. inž. Nada Jadžić: „Vrednovanje identiteta grada Beograda sa aspekta zelenih prostora”. Mentor: dr Jelena Tomićević‑Dubljević, vanredni prof.****(2012) Dipl. inž. Anela Čolić: „Upravljanje objektima zaštite prirode: Studija slučaja spomenika prirode Vrelo Bosne”. Mentor: dr Jelena Tomićević‑Dubljević, vanredni prof.****(2011) Dipl. inž. Ćirković-Ognjanović Milica:„Evaluacija metode injektovanja u zaštiti divljeg kestena od minera *Cameraria ohridella* Deschka & Dimić (Lepidoptera: Gracillariidae)”. Mentor: dr Milka Glavendekić.****(2011) Dipl. inž. Jovana Majović: „Populaciona dinamika ranih defolijatora hrasta”. Mentor: dr Milka Glavendekić.****(2011) Dipl. inž. Maša Mirić: „Štetočine jasena i njegovih kultivara na zelenim površinama u Beogradu”. Mentor: dr Milka Glavendekić.****(2011) Dipl. inž. Andrijana Vukadinović: „Urbane šume i potrebe posetilaca. Studija slučaja park-šume Košutnjak”. Mentor: dr Jelena Tomićević‑Dubljević, vanredni prof.****(2011) Dipl. inž. Ana Kostić: „Antropogena modifikacija predela na primeru zaštićenih područja Vojvodine”. Mentor: dr Jelena Tomićević‑Dubljević, vanredni prof.****(2010) Dipl. inž. Branka Ukropina: „Odnos turista prema prirodnim vrednostima Nacionalnog parka Tara”. Mentor: dr Jelena Tomićević‑Dubljević, vanredni prof.****(2009) Dipl. inž. Dragana Radovanović: „Svest javnosti o nedomaćim invazivnim vrstama – studija slučaja grada Beograda”. Mentor: dr Jelena Tomićević‑Dubljević, vanredni prof.** |
| **Research / Projects** |
| 1. **Naučnoistraživački projekat: „Istraživanje klimatskih promena i njihovog uticaja na životnu sredinu: praćenje uticaja, adaptacija i ublažavanje, potprojekat Ukrasne i invazivne biljke u uslovima klimatskih promena: uticaji i adaptacije”. Ministarstvo nauke i tehnološkog razvoja, (2011‒2016). Rukovodilac potprojekta: prof. dr Dragica Obratov‑Petković.**
2. **Naučnoistraživački projekat: „Monitoring diverziteta invazivnih biljaka u urbanim šumama Beograda”. Ministarstvo poljoprivrede, trgovine, šumarstva i vodoprivrede ‒ Uprava za šume (2014). Rukovodilac projekta: prof. dr Dragica Obratov‑Petković.**
3. **Naučnoistraživački projekat: „Proizvodnja drvenastih vrsta pogodnih za primenu u izmenjenim klimatskim uslovima, ugroženim i degradiranim ekosistemima”. Ministarstvo poljoprivrede, šumarstva i vodoprivrede ‒ Uprava za šume (2012). Rukovodilac projekta: prof. dr Matilda Đukić.**
4. **Naučnoistraživački projekat: „Ekologija, monitoring i tehnološki postupci za kontrolu invazivnih biljaka u biotopima Beograda”. Ministarstvo prosvete i nauke, (2008‒2010). Rukovodilac projekta: prof. dr Mihailo Grbić.**
5. **Naučnoistraživački projekat: „Zaštita šumskih područja i proizvodnja prirodne hrane na principima održivog razvoja”. Ministarstvo nauke i tehnološkog razvoja, (2004‒2008). Rukovodilac projekta: prof. dr Dragica Obratov‑Petković.**
6. **Naučnoistraživački projekat: „Vršenje posebnog nadzora nad štetnim organizmom *Cydalima perspectalis*” (2015‒2016), Ministarstvo poljoprivrede i zaštite životne sredine ‒ Uprava za zaštitu bilja. Rukovodilac projekta: prof. dr Milka Glavendekić.**
7. **Naučnoistraživački projekat: „Praćenje ekspanzije alergenih insekata i edukacija u cilju zaštite zdravlja ljudi i životinja”. Ministarstvo poljoprivrede i zaštite životne sredine ‒ Uprava za šume (2012, 2015‒2016). Rukovodilac projekta: prof. dr Milka Glavendekić.**
8. **Međunarodni naučnoistraživački program: „Landscape Management Practical in Tara National Park”. Institut za upravljanje i planiranje predela, Univerziteta u Frajburgu, Nemačka (2006). Rukovodilac projekta: dr Jelena Tomićević‑Dubljević.**
9. **Međunarodni projekat Project ECO-NET 2009 ‒ N°21339RD „Modelling the expansion of an urticating pest with regard to climate change”. Ministarstvo poljoprivrede Francuske, učesnici iz zemalja Balkanskog poluostrva. Rukovodilac projekta dr Alain Roques, koordinator projekta u Srbiji: prof. dr Milka Glavendekić.**
10. **Međunarodni projekat „Pathway Evaluation and Pest Risk Management in Transport” (PERMIT), COST FP 1002. Rukovodilac projekta u Srbiji: prof. dr Milka Glavendekić.**
11. **Međunarodni projekat „A global network of nurseries as early warning system against alien tree pests” (Global Warning), FPS COST Action FP1401. Rukovodilac projekta u Srbiji: prof. dr Milka Glavendekić.**
 |
| **Centers/ Laboratories** |
| **Laboratory for tissue culture (Office no. 75)****Head: prof. Dr. Matilda Đukić****The laboratory was established in 2001. It includes complete equipment for plant tissue culture: a sterile laminar chamber for sterile setting of explants on media, a chamber for cultivation under controlled conditions of light and temperature, a room for the preparation of media and plant materials, an autoclave, a glass area for the acclimatization of obtained plants and more. A set of techniques is applied for sterile vegetative propagation and cultivation of plants, plant organs, tissues and cells in a nutrient medium of suitable composition and under appropriate conditions. This method enables the production of plants throughout the year, the elimination of pathogens from infected plant material, as well as introduction of new features. The laboratory is also used for hydroponic cultivation of plants for experimental purposes. A large number of bachelor, master and doctoral theses have been produced in this laboratory.** |
| **Seed laboratory (Office no. 56)****Head: prof. Dr. Mihailo Grbić****The laboratory was established in 1976. It is used for examining the quality of seeds of ornamental and forest species of trees, shrubs and herbaceous perennial, annual and biennial plants. It is equipped with standard equipment for this type of test: germination equipment, dividers and other accessories. It has two types of sprouters: Jakobsen (test on filter paper) and thermostat sprouters (test on filter paper and sand) with an adjustable photoperiod. Laboratory provides certificates for the seed that is marketed, and for that purpose in addition to examining the germination and other quality characteristics it also examines: purity, absolute mass and moisture content. For species for species specified in international standards (ISTA) it provides indirect methods of testing of TTC and growth of explanted embryos.There is a collection of seeds with over 1000 tree species in the laboratory, as well as the apparatus for hydroculture.** |
|  **Laboratory for chemotaxonomy (Office no. 116а)****Head: prof. Dr. Dragica Obratov-Petković****The laboratory for chemotaxonomy is a new laboratory, established in 2016. It has the most advanced instrument for bioanalytical chemistry - high performance liquid chromatography (High-performance liquid chromatography - HPLC). HPLC is a modern analytical method, which is widely used in the analysis of biological samples and environmental samples. HPLC methods for the determination of natural antioxidants, organic acids, and phenolic compounds in plants are currently being developed in the laboratory.** |