

Laboratory for Plant Anatomy and Morphology

Plant anatomy, Plant morphology

Research group for plant anatomy and morphology performs research in the field of functional and applied plant anatomy, using classic anatomical as well as stereological method. Comparative morpho-anatomical examinations of different systematic groups of plants are conducted, with the aim of clarifying taxonomic issues, as well as determination of relationships within the groups. Investigations are also directed towards structural characteristics of plant organs of cultivated species (industrial and forage crops, cereals, fruit and vegetable species) and their wild relatives, aimed to determination of characteristics which could be useful in selection and breeding process. Research is also conducted into the structural adaptations of plants to specific environmental conditions and effect of environmental factors, anatomical and micromorphological characteristics of medicinal plants, as well as the effect of heavy metals on the structure of vegetative organs of cultivated plants and species perspective for phytoremediation of fields contaminated with heavy metals.



SELECTED PROJECTS

Title: *Anatomical characterization of the collection of wild sunflowers, as a potential gene pool for breeding cultivated sunflower in Vojvodina*

Type: Projects Funded by the Provincial Secretariat for Higher Education and Scientific Research

Duration: 2016 – 2019

Contact person: Dr Jadranka Lukovic

Title: *Increasing market significance of forage crops by breeding and optimizing seed production technology TR-31024*

Type: Projects Funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia

Duration: 2011-

Contact person: Dr Djura Karagic

Title: *Conservation strategy for preservation of protected and strictly protected species in Serbia – hoverflies (Insecta: Diptera: Syrphidae) as a model organisms OI 173002*

Type: Projects Funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia

Duration: 2011-

Contact person: Dr Ante Vujic

SELECTED EQUIPMENT

- Cryostat Leica CM 1850
- Image analyzing system: Motic Images Plus 2.0.
- Stereomicroscope Nikon SMZ 745T

COLLABORATIONS

- Aristotle University of Thessaloniki, Faculty of Agriculture, Thessaloniki, Greece

CONTACT PERSON

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<https://www.pmf.uns.ac.rs/istrazivanja/istrazivacke-grupe/>

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