dr Ružica Ždero Pavlović, asistent
Uža naučna oblast: Hemija i biohemija
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Obrazovanje

- **Dipl. biohem. (2010)** – Prirodno-matematički fakultet u Novom Sadu, smer – biohemija, oblast hemija
- **Master biohemičar (2011)** - Prirodno-matematički fakultet u Novom Sadu, smer – biohemija, oblast hemija
- **doktor biohemijskih nauka (2017)** - Prirodno-matematički fakultet u Novom Sadu, doktorska disertacija "Biohemijski mehanizmi otpornosti klonova topole (*Populus* spp.) na vodni stres", smer – biohemija

Odabrane publikacije

1. Popović, M. B., Štajner, D., Orlović, S., **Ždero Pavlović, R**., Blagojević, B. (2017): European beech (*Fagus sylvatica* L.) from Serbian mountains – capacity to resist ecological and oxidative stress. Baltic Forestry, 23(2):374-383
2. Popović, B.M., Štajner, D., **Ždero Pavlović, R**., Tari, I., Csiszár, J., Gallé, Á., Poór, P., Galović, V., Trudić, B., Orlović S. (2017): Biochemical response of hybrid black poplar tissue culture (*Populus x canadensis*) on water stress. Journal of Plant Research, 130(3):559-570
3. Jovičić, D., Štajner, D., Popović, B.M., Marjanović Jeromela, A., Nikolić, Z., Petrović, G., **Ždero Pavlović, R**., Salt-induced changes in the antioxidant system and viability of oilseed rape. Zemdirbyste, 104(3):249-258
4. Popović, M. B., Štajner, D., **Ždero Pavlović, R**., Tumbas Šaponjac, V., Čanadanović Brunet, J., Orlović, S. (2016): Water stress induces changes in polyphenol profile and antioxidant capacity in poplar plants (*Populus* spp.). Plant Physiology and Biochemistry, 105:242-250.
5. Popović M. B., Štajner D., **Ždero R.**, Orlović S., Galić Z. (2013): Antioxidant Characterization of Oak Extracts Combining Spectrophotometric Assays and Chemometrics. The Scientific World Journal, vol. 2013. Article ID 134656

Odabrani projekti

1. IPA projekat: "Joint development of higher education and training programmes in plant biology in support of knowledge-based society" (PLANTTRAIN), ID: HUSBR/1203/221/173; 2015-2016 (koordinator)

2. Biosensing tehnologije i globalni sistem za kontinuirana istraživanja i integrisano upravljanje ekosistemima, III 43002; 2011-2018 (istraživač saradnik)

3. Novi koncept obogaćivanja prehrambenih proizvoda klijancima vojvođanskih žitarica, 114-451-2079/2016-02 (učesnik)

Akademske aktivnosti

- **Izvođenje vežbi** iz uže naučne oblasti Hemija i biohemija na osnovnim akademskim studijama

Članstvo u udruženjima

- Srpsko hemijsko društvo
- Društvo za fiziologiju biljaka Srbije
- Japansko botaničko društvo

Ostale aktivnosti

- Učešće na domaćim i međunarodnim skupovima;
- Govori, čita i piše engleski jezik, služi se nemačkim

Ružica Ždero Pavlović, Ph.D., Assistent
Field of research: Antioxidants, oxidative stress and functional food
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Academic qualifications

- **B.Sc.** (2010) - University of Novi Sad, Faculty of Sciences, field of biochemistry
- **M.Sc.** (2011) - University of Novi Sad, Faculty of Sciences, field of biochemistry
- **Ph.D.** (2017) - University of Novi Sad, Faculty of Sciences, field of biochemistry

Selected publications

1. Popović, M. B., Štajner, D., Orlović, S., **Ždero Pavlović, R**., Blagojević, B. (2017): European beech (*Fagus sylvatica* L.) from Serbian mountains – capacity to resist ecological and oxidative stress. Baltic Forestry, 23(2):374-383
2. Popović, B.M.,Štajner, D., **Ždero Pavlović, R**., Tari, I., Csiszár, J., Gallé, Á., Poór, P., Galović, V., Trudić, B., Orlović S. (2017): Biochemical response of hybrid black poplar tissue culture (*Populus x canadensis*) on water stress. Journal of Plant Research, 130(3):559-570
3. Jovičić, D., Štajner, D., Popović, B.M., Marjanović Jeromela, A., Nikolić, Z., Petrović, G., **Ždero Pavlović, R**., Salt-induced changes in the antioxidant system and viability of oilseed rape. Zemdirbyste, 104(3):249-258
4. Popović, M. B., Štajner, D., **Ždero Pavlović, R**., Tumbas Šaponjac, V., Čanadanović Brunet, J., Orlović, S. (2016): Water stress induces changes in polyphenol profile and antioxidant capacity in poplar plants (*Populus* spp.). Plant Physiology and Biochemistry, 105:242-250.
5. Popović M. B., Štajner D., **Ždero R.**, Orlović S., Galić Z. (2013): Antioxidant Characterization of Oak Extracts Combining Spectrophotometric Assays and Chemometrics. The Scientific World Journal, vol. 2013. Article ID 134656

Selected projects

1. IPA project: “Joint development of higher education and training programmes in plant biology in support of knowledge-based society” (PLANTTRAIN), ID: HUSBR/1203/221/173; 2015-2016 (Assistance in working out courses)

2. Biosensing technologies and global system for continual investigation and integrated management of ecosystems, III 43002; 2011-2015 (participant).

3. Novel concept of food fortification with stabilized bioactive compounds, 114-451-2079/2016-02 (participant).

Academic activities

- Teaching at undergraduate studies (field of chemistry and biochemistry)

Memberships

- Serbian Chemical Society
- Serbian Society for Plant Physiology
- The Botanical Society of Japan

Other activities

- Attendance in national and international meetings;
- Language skills: English and German