

**Dr Saša Orlović, redovni profesor**

**Uža naučna oblast:** Hortikultura i pejzažna arhitektura

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### **Obrazovanje**

- **Dipl. inž. (1990)** – Šumarski fakultet u Beogradu, smer - šumarstvo
- **Mr (magistar) (1993)** - Šumarski fakultet u Beogradu, smer - Genetika, i oplemenjivanje biljaka
- **Doktor nauka (1996)** - Šumarski fakultet u Beogradu, Doktorska disertacija: *"Proučavanje varijabiliteta svojstva crnih topola značajnih za selekciju na bujnost"*

### **Odabrane publikacije**

1. Saša Orlović, Vojislav Guzina, Borivoj Krstić, Ljiljana Merkulov (1998). Genetic variability in anatomical, physiological and growth characteristics of hybrid poplar (*Populus x euramericana* Dode (Guinier)) and Eastern cottonwood (*Populus deltoides* Bartr.) clones. *Silvae Genetica* 47 (4): 183-190
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5. Bojana Klašnja, Saša Orlović, Zoran Galić, Milan Drekić (2006). Poplar biomass of short rotation plantations as renewable energy raw material. In "Biomass and Bioenergy New Research" Nova Science Publisher, pp. 35-66. ISBN: 1-59454-865-X
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13. Stojnic, S., Sass-Klaassen, U., Orlovic, S., Matovic, B., Eilmann, B. (2013). Plastic growth response of European beech provenances to dry site conditions. *IAWA Journal* 34, 475-484.
14. Štajner, D., Orlović, S., Popović, B., Kebert, M., Stojnić, S., Klašnja, B. (2013). Chemical parameters of oxidative stress adaptability in beech. *Journal of Chemistry*, Article ID 592695; doi: 10.1155/2013/592695.
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26. Marko Kebert, Francesca Ripparini, Luisa Neri, Bertazza Gianpaolo, Saša Orlović, Stefania Biondi (2017). Copper-induced responses in poplar clones are associated with genotype and organ specific changes in peroxidase activity and proline polyamine, ABA, and IAA levels. *Journal of Plant Growth Regulation* 36 (1): 131-147
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### Odabrani projekti

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2. FP7 “Sustainable forest management providing renewable energy, sustainable construction and bio-based products” (2009-2012)
3. FP7 “Advancing research and innovation in the Danube region” (2014-2017)
4. TEMPUS “Restructuring of Doctoral Studies in Serbia” (2014-2017)
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7. IPA Cross-border Croatia-Serbia “Flood protection infrastructure restoration and development of cross-border system for protecting people and natural assets from floods” (2016- )
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9. Austrian Science and Research Liasion Office (ASO) "Increased biomass production with fast-growing tree species in short-rotation forestry: impact of species and clone selection and socio-economic impacts" (2008-2009)
10. Bratislava – Belgrade Fund "Capacity and institutional strengthening of forestry sector in Republic of Serbia" (2006-2007)
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12. COST E47 „European network for vegetation management: Towards environmental sustainability“ (2005-2009)
13. COST E52 "Evaluation of Beech genetic resources for sustainable forestry" (2006-2010)
14. COST ECHOES "Expected climate change and options for European silviculture" (2008-2012)
15. COST STRESS „Studying Tree Responses to extreme Events: a Synthesis“(2012-2016)
16. COST MaP-FGR "Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest trees to climate change in Europe" (2012-2016)
17. "Unapređenje kvaliteta drveta alohtonih vrsta i hibrida" (2005-2008)
18. „Agrošumarski zasadi u ruralnom razvoju“ (2005)
19. „Unapređenje proizvodnje sadnog materijala medonosnog drveća i žbunja“ (2004)
20. "Revitalizacija banaka gena topola" (2006)
21. "Revitalizacija banaka gena vrba" (2006)
22. "Stvaranje sorti topola i vrba za gajenje u multifunkcionalnim zasadima"
23. "Biosensing tehnologije i globalni sistem za kontinuirana istraživanja i integrisano upravljanje ekosistemima" (2011-2019)
24. "Istraživanje klimatskih promena i njihovog uticaja na životnu sredinu: praćenje u ticaja, adaptacija i ublažavanje" (2011- )
25. "Stvaranje i uvođenje u proizvodnju sorti topola i vrba" (2004-2014)
26. "Unapređenje gajenja nizijskih drvenastih vrsta" (2014-2016)

### **Akadske aktivnosti**

- **Nastava** iz uže naučne oblasti hortikultura i pejzažna arhitektura i iz uže naučne oblasti šumarstvo na osnovnim akademskim studijama, master i doktorskim studijama.

### **Članstvo u udruženjima**

- Društvo Genetičara Srbije
- IUFRO
- UN- FAO-IPC

### **Ostale aktivnosti**

- Govori, čita i piše engleski



**Full professor Saša Orlović, Ph.D.**

**Field of research: Horticulture and landscape architecture**

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**Telephone:** +381 21 4853 255

#### **Academic qualifications**

- **B.Sc.** (1990) - University of Belgrade, Faculty of Forestry
- **M.Sc.** (1993) - University of Belgrade, Faculty of Forestry
- **Ph.D.** (1996) - University of Belgrade, Faculty of Forestry

#### **Selected publications**

1. Saša Orlović, Vojislav Guzina, Borivoj Krstić, Ljiljana Merkulov (1998). Genetic variability in anatomical, physiological and growth characteristics of hybrid poplar (*Populus x euramericana* Dode (Guinier)) and Eastern cottonwood (*Populus deltoides* Bartr.) clones. *Silvae Genetica* 47 (4): 183-190
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- COST MaP-FGR “Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest trees to climate change in Europe” (2012-2016)

#### **Academic activity**

- Teaching at undergraduate, postgraduate and Ph.D studies (horticulture and landscape architecture and forestry)

#### **Memberships**

- Serbian Genetic Society
- International Union of Forestry Research Organisations
- UN- International Poplar Commission

#### **Other activities**

- Language skills: English