

**Lecturer Orsolya BORSAI, PhD**  
**Academic topic: Fruit tree growing, Edible landscaping,  
Modern fruit tree propagation technologies**  
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**Date and place of birth:** 15 July 1989, Târgu-Secuiesc, Covasna, Romania

#### **I. Education:**

##### *University studies:*

**2008-2012** – University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Faculty of Horticulture, Landscaping Architecture

##### *PHD studies:*

**2018** – PhD in Horticulture, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, PhD supervisors: Prof. dr. h. c. Radu Sestraş and Prof. dr. h.c. Óscar Vicente

##### *Areas of specialization:*

**2012-2014** – Master studies – Landscape planning, design and maintenance, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca

##### *Scholarships:*

**23.02.2015-31.07.2015** – Erasmus+, Escuela Técnica Superior de Ingeniería agronómica y del Medio Natural (ETSIAMN), Universidad Politécnica de Valencia (UPV);

**30.09.2013-21.01.2014** – Erasmus mobility, Szkoła Główna Gospodarstwa Wiejskiego w Warszawie.

#### **II. Academic experience:**

**01.10.2021** – Lecturer; Dept I – Horticulture and Landscaping Architecture; Fruit tree growing, Edible landscaping, Modern fruit tree propagation technologies

**19.02.2018** – **05.07.2020** – Teaching assistant, Dept. I - Horticulture and Landscaping Architecture; Arboriculture, Landscape design and maintenance, Propagation techniques of trees and flowers

#### **III. Research domains of interest:**

Fruit trees, In vitro plant propagation, Effects of drought and salinity on plants

#### **IV. Professional affiliations:**

**2021** – International Society for Horticultural Science (ISHS)

**2015** – European Association for Research on Plant Breeding (EUCARPIA)

**2012** – Horticulture and Forestry Assosiation from Transilvania

**2010** – Friends of Roses Association of Romania

#### **V. Significant achievements:**

**Books:** 1. Orchard technologies

**Scientific papers:** 33 out of which 11 as first author

*Borsai, O., Hârța, M., Szabo, K., Kelemen, C. D., Andrean, F. A., Codrea, M. M., & Clapa, D. (2020). Evaluation of genetic fidelity of in vitro-propagated blackberry plants using RAPD and SRAP molecular markers. Horticultural Science, 47(1), 21-27.*

*Borsai, O., Hassan, M. A., Negrușier, C., Raigón, M. D., Boscaiu, M., Sestraş, R. E., & Vicente, O. (2020). Responses to salt stress in Portulaca: Insight into its tolerance mechanisms. Plants, 9(12), 1660.*

*Research grants:*

**2016-2019** - Member in 5 research grants as research assistant

Member in 2 Mobility grants (Moldova, China)

**2015-2021** – Member in POC-A1-A1.1.1.-B-2015

October, 2022

**Signature,  
Lecturer Orsolya BORSAI, PhD**