

PERSONAL INFORMATION **Alexandru-Lucian CURTU**

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POSITION PhD Supervisor
IOSUD UNITBV Doctoral studies field: Forestry
 Since 2016

EXPERTISE FIELD AND RESEARCH INTEREST AREAS Forest genetics and forest tree breeding, Conservation of forest genetic resources, Dendrology

WORK EXPERIENCE

1999 - present **Permanent position (Professor 2013 – present, Associate Professor 2008-2013, Lecturer 2004-2008, Assistant 2001-2004, Assistant 1999-2001). Since 2012 dean of the Faculty of Silviculture and Forest Engineering**
 Transilvania University of Brasov, www.unitbv.ro
 ▪ Main activities and responsibilities: teaching and research activities, management
Business or sector: higher education

EDUCATION AND TRAINING

2003-2006 **Doctor in Forest Sciences (Summa cum laude - Excellent)**
 Georg-August Universität Göttingen, Germany
 ▪ Forest Genetics and forest tree breeding, Forest botany, Silviculture

1998-1999 **Postgraduate studies**
 Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering
 ▪ Biotechnology in forestry

1993-1998 **Programme: Forestry**
 Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering
 ▪ Silviculture, Dendrology, Forest Genetics and forest tree breeding, Watershed management, Forest Botany

1989-1993 **Diploma of Baccalaureate**
 Andrei Şaguna College Braşov
 ▪ Mathematics and physics

PERSONAL SKILLS

Mother tongue	Romanian				
	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Other language(s)					
English	C1	C2	C1	C1	C1
German	C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
 Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through my experience as teaching staff (20 years) and dean (7 years), DAAD scholarship holder (2003-2006)

Organisational / managerial skills

- dean of the Faculty of Silviculture and Forest Engineering, member of Faculty Board (2012 - present) and of University Board (2012 - present)
- member of the Board of RPLP Kronstadt (since 2012) and RPLP Piatra Craiului Zărnești (since 2016);
- member of Management Committee of COST (Cooperation in Science and Technology) Action FP0905 Biosafety of Forest Transgenic Trees (2010-2014)
- member of Management Committee of COST Action FP1202 Strengthening conservation: a key issue for adaptation of marginal/peripheral populations of forest tree to climate change in Europe (MaP-FGR) (2012-2016)
- member of Management Committee of COST Action FP1403 Non-native tree species for European forests - experiences, risks and opportunities (NNEXT) (2014-2018);
- member of National Council of Scientific Research (CNCS) (2015 - 2016)
- member of Life Sciences and Biotechnology Section of CNCS (2011-2013)

Job-related skills

- expert of the Romanian Agency for Quality Assurance in Higher Education (ARACIS) in the field of Agricultural and Forest Sciences (since 2015). Member of the Board for Agricultural and Forest Sciences and Veterinary Medicine.
- expert of European Commission, Directorate-general for research and innovation: participation in the evaluation of the proposals and monitoring the implementation of actions (2015 - 2020).

Digital skills

- Microsoft Office™, software packages (e.g. statistics, genetics)

Other skills

- organization of scientific events

ADDITIONAL SKILLS

Scientific publications

- 25 articles in journals indexed by **Web of Science Core Collection**, 2 articles in Proceedings volumes indexed by Web of Science Core Collection, **327 citations (without self-citations), H-index: 11**
- 30 articles in journals indexed by other International Data Bases (e.g. Cabi), **>820 citations Google Academic**, H-index: 15
- 12 books / book chapters

Research/educational projects

Coordinator of research grants funded by Romanian National Research Council CNCS (Ideas-ID-183, 2007-2010, Young research teams TE-73, 2010-2013, 32BG, 2016-2018). Member of the research team in other 15 international / national projects (1999-2020)

Member of Editorial Board

Annals of Forest Research, Notulae Botanicae Horti Agrobotanici, Revista Pădurilor

Senior Editor of BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV, SERIES II - Forestry. Wood Industry. Agricultural Food Engineering (since 2017)

Editor of BULLETIN OF THE TRANSILVANIA UNIVERSITY OF BRASOV, SERIES II – Forestry (2012-2017)

Reviewer for journals indexed
by Web of Science

Forest Ecology and Management, Tree Genetics & Genomes, Canadian Journal of Botany, European Journal of Forest Research, Notulae Botanicae Horti Agrobotanici, Annals of Forest Research, International Journal of Plant Sciences, Dendrobiology, Conservation Genetics, Evolutionary Ecology, Botanical Journal of the Linnean Society, Annals of Botany, Plant Systematics and Evolution, iForest, DNA Research, AoB Plants, Annals of Forest Science, Acta Biologica Cracoviensia Series Botanica, Acta Botanica Croatica

Research stays

- 16/06-20/06/2014 – Institute of Biosciences and BioResources, National Research Council, Florence, Italy;
- 05/10-19/10/2013 – School of Forest Resources & Environmental Science, Michigan Tech University, USA;
- 16/11-22/11/2012 – Plant Genetics Institute, Division of Florence, National Research Council, Italy;
- 02/05-28/07/2012 – Section of Forest Genetics and Tree Breeding, Büsgen Institute, Georg August University Göttingen, Germany;
- 11/09-21/09/2011 – Unidad de Anatomía, Fisiología y Genética ETSI de Montes Universidad Politécnica de Madrid, Spain;
- 15/11/2010-29/11/2010 – INRA Pierroton, UMR 1202 BIOGECO Genetics, France;
- 09/12/2008-12/12/2008 – DNA Sequencing, Beckman laboratories, UK;
- 10/11/2008-19/11/2008 – University of Freiburg, Germany;
- 20/08/2008-31/08/2008 – Section of Forest Genetics and Tree Breeding, Büsgen Institute, Georg August University Göttingen, Germany;
- 29/11/2007-01/12/2007 – Bayerisches Amt für forstliche Saat- und Pflanzenzucht (ASP), Teisendorf, Germany;
- 12/08/2007-05/09/2007 – Section of Forest Genetics and Tree Breeding, Büsgen Institute, Georg August University Göttingen, Germany;
- 01/10/2003-31/07/2006 – DAAD (Deutscher Akademischer Austausch Dienst) scholarship at Institute of Forest Genetics and Tree Breeding, Büsgen Institute, Georg August University Göttingen, Germany;
- 30/04-11/05/2001 – International Training Course on Conservation and Management of Forest Genetic Resources in Eastern Europe – Gmunden, Austria, organized by International Plant Genetic Resources Institute (IPGRI) Rome, Italy and Austrian Federal Ministry for Agriculture and Forestry, Environment and Water Management (MLUFW);
- 01-08/2000 – Institute of Forest Genetics, Federal Forestry Research Centre, Vienna, Austria;
- 02-06/1997 – Institute of Nature Conservation and Free University Bruxelles, Belgium.

ANNEXES

Selection of publications in scientific journals indexed by Web of Science (2013-2019)

Fedorca, A., I. R. M. Russo, O. Ionescu, G. Ionescu, M. Popa, M. Fedorca, **A. L. Curtu**, N. Sofletea, G. M. Tabor, and M. W. Bruford. 2019. Inferring fine-scale spatial structure of the brown bear (*Ursus arctos*) population in the Carpathians prior to infrastructure development. *Scientific Reports* 9:12. <https://www.nature.com/articles/s41598-019-45999-y>

Raffl, H., H. Konrad, **A. L. Curtu**, and T. Geburek. 2018. Genetic evidence of human mediated, historical seed transfer from the Tyrolean Alps to the Romanian Carpathians in *Larix decidua* (Mill.) forests. *Annals of Forest Science* 75:98 (Q1 - zona roșie). <https://link.springer.com/article/10.1007/s13595-018-0776-9>

Apostol, E. N., **A. L. Curtu**, L. M. Daia, B. Apostol, C. G. Dinu, and N. Sofletea. 2017. Leaf morphological variability and intraspecific taxonomic units for pedunculate oak and grayish oak (genus *Quercus* L., series *Pedunculatae* Schwz.) in Southern Carpathian Region (Romania). *Science of the Total Environment* 609:497-505. <https://www.sciencedirect.com/science/article/pii/S0048969717313827>

Carabus, M. C., **A. L. Curtu**, D. Postolache, E. Ciocirlan, and N. Sofletea. 2017. Evidence of low chloroplast genetic diversity in two *Carpinus* species in the Northern Balkans. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 45:316-322. <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/10799>

Ciocirlan, E., N. Sofletea, F. Ducci, and **A. Curtu**. 2017. Patterns of genetic diversity in European beech (*Fagus sylvatica* L.) at the eastern margins of its distribution range. *iForest - Biogeosciences and Forestry* 10:916-922. <https://iforest.sisef.org/abstract/?id=ifor2446-010>

Craciunesc, I., B. Vornam, L. Leinemann, R. Finkeldey, N. Sofletea, and **A. L. Curtu**. 2015. High Genetic Differentiation among European White Oak Species (*Quercus* spp.) at a Dehydrin Gene. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 43:582-588. <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/10128>

Curtu, A., I. Craciunesc, C. Enescu, A. Vidalis, and N. Sofletea. 2015. Fine-scale spatial genetic structure in a multi-oak-species (*Quercus* spp.) forest. *iForest - Biogeosciences and Forestry* 8:324-332. <https://iforest.sisef.org/abstract/?id=ifor1150-007>

Dzialuk, A., I. Chybicki, R. Gout, T. Maczka, P. Fleischer, H. Konrad, **A. L. Curtu**, N. Sofletea, and A. Valadon. 2014. No reduction in genetic diversity of Swiss stone pine (*Pinus cembra* L.) in Tatra Mountains despite high fragmentation and small population size. *Conservation Genetics* 15:1433-1445. <https://link.springer.com/article/10.1007/s10592-014-0628-6>

Enescu, C. M., **A. L. Curtu**, and N. Sofletea. 2013. Is *Quercus virgiliana* a distinct morphological and genetic entity among European white oaks? *Turkish Journal of Agriculture and Forestry* 37:632-641. <http://journals.tubitak.gov.tr/agriculture/abstract.htm?id=14123>

Gailing, O., and **A. L. Curtu**. 2014. Interspecific gene flow and maintenance of species integrity in oaks. *Annals of Forest Research* 57:5-18. <http://www.afrjournal.org/index.php/afr/article/view/171>

Petit, R. J., J. Carlson, **A. L. Curtu**, M. L. Loustau, C. Plomion, A. Gonzalez-Rodriguez, V. Sork, and A. Ducousso. 2013. Fagaceae trees as models to integrate ecology, evolution and genomics. *New Phytologist* 197:369-371. <https://nph.onlinelibrary.wiley.com/doi/10.1111/nph.12089>

Radu, R. G., **L. A. Curtu**, G. Sparchez, and N. Sofletea. 2014. Genetic diversity of Norway spruce *Picea abies* (L.) Karst. in Romanian Carpathians. *Annals of Forest Research* 57:19-29. <http://www.afrjournal.org/index.php/afr/article/view/178>

Sofletea, N., **A. L. Curtu**, M. L. Daia, and M. Budeanu. 2015. The Dynamics and Variability of Radial Growth in Provenance Trials of Norway Spruce (*Picea abies* (L.) Karst.) Within and Beyond the Hot Margins of its Natural Range. *Notulae Botanicae Horti Agrobotanici Cluj-Napoca* 43:265-271. <http://www.notulaeobotanicae.ro/index.php/nbha/article/view/9861>

Vidalis, A., **A. Curtu**, and R. Finkeldey. 2013. Novel SNP development and analysis at a NADP⁺-specific IDH enzyme gene in a four species mixed oak forest. *Plant Biology* 15:126-137. <https://onlinelibrary.wiley.com/doi/10.1111/j.1438-8677.2012.00575.x>