

PERSONAL INFORMATION

Valeriu-Norocel Nicolescu

✉ email address: nvnicolescu@unitbv.ro

POSITION
IUSUD UTBV

PhD Coordinator
Doctoral studies field: Forestry
Since April 2009

EXPERTISE FIELD AND
RESEARCH INTEREST AREAS

Forestry (Ecological Processes, Tending Operations, Silvicultural Systems)

WORK EXPERIENCE

2004-present

Professor

University „Transilvania” of Braşov, Faculty of Silviculture and Forest Engineering, B-dul Eroilor nr. 29, Braşov-Romania; www.unitbv.ro

Teaching and research activities

Education

2000-2004

Associate Professor

University „Transilvania” of Braşov, Faculty of Silviculture and Forest Engineering, B-dul Eroilor nr. 29, Braşov-Romania; www.unitbv.ro

Teaching and research activities

Education

1995-2000

Lecturer

University „Transilvania” of Braşov, Faculty of Silviculture and Forest Engineering, B-dul Eroilor nr. 29, Braşov-Romania; www.unitbv.ro

Teaching and research activities

Education

1989-1995

Assistant

University „Transilvania” of Braşov, Faculty of Silviculture and Forest Engineering, B-dul Eroilor nr. 29, Braşov-Romania; www.unitbv.ro

Teaching and research activities

Education

1986-1989

Forest management planner

Forest Research and Management Institute, Braşov Station, Str. Cloşca nr. 13, Braşov, www.icas.ro

Forest management planning, Făgăraş-Braşov, Blaj-Alba, and Săcuieni-Bihor Forest Districts

Technological planning

EDUCATION AND TRAINING

1990-1997

Doctor (Ph.D.) in Agronomy, specialization Silviculture

University „Transilvania” of Braşov, Romania

Silviculture

- 1993-1994 **Master of Science (M.Sc.)** (Forestry and its relation to land use)
Oxford Forestry Institute, Oxford University, Great Britain
Forest Sciences (Silviculture, Afforestation Techniques, Forest Management, Forest Economics, Forest Policy, Forest Genetics and Tree Improvement, Agroforestry)

- 1981-1986 **Bachelor of Science (Hons. – Head of Class)**
University „Transylvania” of Braşov, Romania
Forest Sciences (Silviculture, Afforestation techniques, Forest Management, Wood Harvesting, Dendrology, Forest Botany, Topography and Geodesy, Land Reclamation, Watershed Management, Pedology and Forest Sites, Hunting and Fish Breeding)

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

| | UNDERSTANDING | | SPEAKING | | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | C2 | C2 | C2 |
| French | C1 | C1 | B2 | B2 | B2 |

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication skills gained through my experience as teaching and research staff in forestry schools from Romania and foreign countries such as France, Germany, Spain, Portugal, Austria, Finland, etc.

Organisational / managerial skills Leadership, gained when acting as *Scientific Secretary* of the Faculty of Silviculture and Forest Engineering, University "Transylvania" of Braşov (01. 1996-06. 1998) as well as *Director* of University College of Forestry, Economics and Informatics, University "Transylvania" of Brasov (03. 2004-11. 2005)

Job-related skills Able to interact with students and economic environment.

Computer skills Good command of Microsoft Office™ tools

Driving licence ▪ B category

ADDITIONAL INFORMATION

Publications (the last 5 years)

a. Monographs, books, book chapters, other publications:

- Nicolescu, V.N., 2016: *Silvicultură I. Biologia pădurii* (2nd edition). Editura Aldus, Braşov, 193 p.
- Nicolescu, V.N., 2016: *Silvicultură II. Silvotehnică* (2nd edition). Editura Aldus, Braşov, 289 p.
- Nicolescu, V.N., Hochbichler, E., Bruckman, V. J., 2016: Sustainable biomass potentials from coppice forests for pyrolysis: chances and limitations. În: Biochar. A regional supply chain approach in view of climate change mitigation (ed. V.J. Bruckman, E.A. Varol, B.B. Uzun, J. Liu), Cambridge University Press, pp. 139-161.
- Nicolescu, V.N., Bartlett, D., Buckley, P., Rossney, D., Pyttel, P., Unrau, A., 2017: *National Perspectives on Coppice from 35 EuroCoppice Member Countries*. Albert Ludwig University Freiburg, Freiburg, 84 p.
- Nicolescu, V.N., Carvalho, J., Hochbichler, E., Bruckman, V., Pique-Nicolau, M., Hemea, C., Viana, H., Stochlova, P., Ertekin, M., Tijardovic, M., Dubravac, T., Vandekerkhove, K., Kofman, P.D., Rossney, D., Unrau, A., 2017: *Silvicultural Guidelines for European Coppice Forests*. Albert Ludwig University Freiburg, Freiburg, 28 p.
- Carvalho, J., Magagnotti, N., Nicolescu, V.N., Ruch, P., Spinelli, R., Tolosana, E., 2017: Active management of traditional coppice forests: *An interface between silviculture and operations*. Albert Ludwig University Freiburg, Freiburg, 4 p.
- Nicolescu, V.N., Bartlett, D., Becker, G., Borlea, G.-F., Buckley, P., Kofman, P.D., Lazdina, D., Magagnotti, N., Rossney, D., Spinelli, R., Unrau, A., 2017: *Typology of European Coppice Forests*. Albert Ludwig University Freiburg, Freiburg, 4 p.
- Nicolescu, V.N., 2018: *The Practice of Silviculture*. Aldus, Braşov, 258 p.
- Unrau, A., Becker, G., Spinelli, R., Lazdina, D., Magagnotti, N., Nicolescu, V.N., Buckley, P., Bartlett, D., Kofman, P.D. (ed), 2018: *Coppice Forests in Europe*. Albert Ludwig University Freiburg, Freiburg, 388 p.
- Nicolescu, V.N., 2019: *Natural range, site requirements and shade tolerance*. În: Douglas-fir, an option for Europe (ed. H. Spiecker, M. Lindner, J. Schuler). European Forest Institute, Joensuu, pp. 33-39.

b. Articles published in forestry journals
b.1. In Romania

- Uşurelu, B., Timar, K., Benedek-Bloju, A., Cioacă, S., Nicolescu, V.N., 2019: Stejarul roşu (*Quercus rubra* L. syn. *Q. borealis* F. Michx.) la Zăbala-Covasna: studiu de caz. *Bucovina forestieră*, 19(1): 7-18.

b.2. Abroad

- Ostafi, M.F., Dinulică, F., Nicolescu, V.N., 2016: Physical properties and structural features of common walnut (*Juglans regia* L.) wood: A case-study. *Die Bodenkultur: Journal of Land Management, Food and Environment*, Volume 67(2): 105-120.
- Nicolescu, V.N., Hemea, C., Şimon, D.C., Ciolan, M.N., Barti, M.E., Schubert, H., Borbely, E., 2017. Short-term effects of cleaning-respacing in a silver fir-dominated stand in Romania. *Journal of Forestry Research*, 29(6): 1-9.
- Nicolescu, V.N., Hemea, C., Bakti, B., Keserű, Z., Antal, B., Rédei, K., 2018: Black locust (*Robinia pseudoacacia* L.) as a multi-purpose tree species in Hungary and Romania: a review. *Journal of Forestry Research*, 29(6): 1449-1463.
- O'Hara, K.L., Boncina, A., Diaci, J., Anić, I., Boydak, M., Curovic, M., Govedar, Z., Grigoriadis, N., Ivojevic, S., Keren, S., Kola, H., Kostov, G., Medarević, M., Metaj, M., Nicolescu, V.N., Raifailov, G., Stancioiu, P.T., Velkovski, N., 2018: Culture and silviculture: origins and evolution of silviculture in Southeast Europe. *International Forestry Review*, Volume 20(1), March: 130-143.
- Nicolescu, V.N., Hemea, C., Sandi, V., 2018: Alley cropping with strawberries: two case-studies in Romania. *Reforesta*, nr. 6: 31-40.
- Đodan, M., Brus, R., Eisold, A-M, Nicolescu, V.N., Orsanic, M., Pratasiene, K., Peric, S., 2018: Non-native tree species in the viewpoint of climate change: chances and opportunities - Croatia as a case study. *Šumarski list (Croatia)*, 7-8: 391-402.
- Nicolescu, V.N., Vor, T., Mason, W.L., Bastien, J.C., Brus, R., Henin, J.M., Kupka, I., Lavnyy, V., La Porta, N., Mohren, F., Petkova, K., Rédei, K., Štefančík, I., Waşik, R., Perić, S., Hemea, C.: Ecology and management of northern red oak (*Quercus rubra* L. syn. *Q. borealis* F. Michx.) in Europe: a review. *Forestry*, 00, 1-14, doi:10.1093/forestry/cpy032.
- Nicolescu, V.N., Buzatu-Goanţă, C., Bartlett, D., Iacob, N., 2019: Regeneration and Early Tending of Black Locust (*Robinia pseudoacacia* L.) Stands in the North-West of Romania. *SEEFOR*, 10 (2): 97-105.
- Keca, Lj, Marceta, M., Bozic, G., Peric, S., Tsvetkov, Andreassen, K., Stijovic, A, Mandzukovski, D., Zlokap, B., Nicolescu, V.N., 2019: Non-native tree species: strategies for sustainable management in Europe. *International Forestry Review*, 21(3): 295-314.

c. Papers published in Proceedings and Books of Abstracts
a. Abroad

- Nicolescu, V.N., Hemea, C., 2017: Black locust (*Robinia pseudoacacia* L.), a key species for the forest-related rural economy in the west of Romania. Abstracts, *Coppice forests in Europe: a traditional natural resource with great potential*. EuroCoppice Final Conference, 19th-21st June, 2017, Limoges, France, pp. 24.
- Nicolescu, V.N., Hemea, C., 2017: Regeneration and early tending of black locust (*Robinia pseudoacacia* L.) in the northwest of Romania. Conference oral presentations abstracts, IUFRO Conference *Forest regeneration in changing environments*, Corvallis, Oregon, U.S.A., 11-13 July 2017, pp. 10.
- Mohren, G.M.J., Nicolescu, V.N., Mason, W.L., Henin, J.M., Spiecker, H., 2018: Silviculture and management of non-native tree species in Europe. Book of abstracts, COST Action FP1403 NNEXT - International Conference *Non-native tree species for European forests*, Vienna, 12-14 September, 2018, pp. 32.
- Nicolescu, V.N., Spiecker, H., Tomé, M., 2018: Regional perspectives of non-native tree species planting and utilization in Europe. Book of abstracts, COST Action FP1403 NNEXT - International Conference *Non-native tree species for European forests*, Vienna, 12-14 September, 2018, pp. 37-38.

Projects

1. *Stabilirea desimii/densităţii optime a arboretelor aflate în stadiile de prăjiniş şi pârîş*. Beneficiary: SC Tomator SRL Braşov. Cycle: 2013-2019. Project Director
2. *Promovarea gospodării durabile a pădurilor prin modalităţi inovatoare în păduri model şi demonstrative administrate de SC Cascade Empire SRL*. Beneficiary: SC Cascade Empire SRL Sebeş. Cycle: 2014-2018. Project Director
3. *Cercetări privind transformarea arboretelor de cvercinee spre codrul grădinarit/neregulat*. Beneficiary: SC Sturza. Cycle: 2016. Project Director.

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| Memberships | <i>Academia de Științe Agricole și Silvice (ASAS)</i> (Romanian Academy of Agricultural and Forestry Sciences) (Correspondant Member, since 2014); |
| Affiliations | <i>International Union of Forestry Research Organizations (IUFRO)</i> , Vienna (Austria): - <i>Coordinator</i> , IUFRO WG 1.01.06 <i>Ecology and silviculture of oaks</i> (August 2005-August 2010); - <i>Deputy Coordinator</i> , IUFRO WG 3.02.01 <i>Silvicultural interventions</i> (August 2000-August 2010); - <i>Coordinator</i> , IUFRO WG 1.01.11 <i>Ecology and silviculture of ash and maple</i> (since Octombrie 2014) <i>EU COST Actions</i> - <i>Member of Management Committee</i> , COST Action E42 <i>Growing Valuable Broadleaved Tree Species (VALBRO)</i> (12. 2004-10.2008) - <i>Member of Management Committee</i> , COST Action FP1103 <i>Fraxinus dieback in Europe: elaborating guidelines and strategies for sustainable management (FRAXBACK)</i> (2012-2016) - <i>Member of Management Committee and WG Leader</i> , COST Action FP 1301 <i>Innovative management and multifunctional utilization of traditional coppice forests - an answer to future ecological, economic and social challenges in the European forestry sector (EuroCoppice)</i> (2013-2017) - <i>Member of Management Committee and Deputy WG Leader</i> , COST Action FP1403 <i>Non-native Tree Species for European Forests (NNEXT)</i> (2014-2018) |
| Editing responsibilities | <i>Editor-in-chief</i> , <i>Revista pădurilor</i> , Bucharest, Romania (December 2008-September 2013) <i>Deputy editor-in-chief</i> , <i>Die Bodenkultur</i> , Vienna, Austria (since January 2007) <i>Member of Editorial Board</i> , <i>Spanish Journal of Rural Development</i> , Lugo, Spain (since 2010) <i>Member</i> , Editorial Board, <i>Forestry</i> , Oxford, Great Britain (November 1997-May 2002) |
| References | <i>Forest Ecology and Management, Forestry, Forest Science, Scandinavian Journal of Forest Research, European Journal of Forest Research, Annals of Forest Science, Die Bodenkultur, International Forestry Review., Sustainability</i> |
| Citations | Google Scholar: 191, of which 142 since 2015 |
| H Indexes | ISI = 2; Scopus = 5; Google Scholar = 6 |

Prof.dr.M.Sc. Valeriu-Norocel Nicolescu

LIST OF RELEVANT PUBLICATIONS /RESEARCH (selection)
A. Papers published in forestry journals with impact factors

1. Nicolescu, V.N., Sandi, M., Păun, M., 2013: Occlusion of pruning wounds on northern red oak (*Quercus rubra*) trees in Romania. *Scandinavian Journal of Forest Research* 28(4): 340-345.
2. Nicolescu, V.N., Hernea, C., Şimon, D.C., Ciolan, M.N., Barti, M.E., Schubert, H., Borbely, E., 2018. Short-term effects of cleaning-respacing in a silver fir-dominated stand in Romania. *Journal of Forestry Research*, 29(6): 1591-1599.
3. Nicolescu, V.N., Hernea, C., Bakti, B., Keserű, Z., Antal, B., Rédei, K., 2018: Black locust (*Robinia pseudoacacia* L.) as a multi-purpose tree species in Hungary and Romania: a review. *Journal of Forestry Research*, 29(6): 1449-1463.
4. O'Hara, K.L., Boncina, A., Diaci, J., Anić, I., Boydak, M., Curovic, M., Govedar, Z., Grigoriadis, N., Ivojevic, S., Keren, S., Kola, H., Kostov, G., Medarević, M., Metaj, M., Nicolescu, V.N., Raifailov, G., Stancioiu, P.T., Velkovski, N., 2018: Culture and silviculture: origins and evolution of silviculture in Southeast Europe. *International Forestry Review*, 20(1): 130-143.
5. Nicolescu, V.N., Vor, T., Mason, W.L., Bastien, J.C., Brus, R., Herin, J.M., Kupka, I., Lavnyy, V., La Porta, N., Mohren, F., Petkova, K., Rédei, K., Štefančík, I., Waşik, R., Perić, S., Hernea, C.: Ecology and management of northern red oak (*Quercus rubra* L. syn. *Q. borealis* F. Michx.) in Europe: a review. *Forestry*, 00, 1–14, doi:10.1093/forestry/cpy032.
6. Nicolescu, V.N., Buzatu-Goanță, C., Bartlett, D., Iacob, N., 2019: Regeneration and Early Tending of Black Locust (*Robinia pseudoacacia* L.) Stands in the North-West of Romania. *SEEFOR* 10 (2): 97-105.
7. Keca, Lj, Marceta, M., Bozic, G., Peric, S., Tsvetkov, Andreassen, K., Stijovic, A, Mandzukovski, D., Zlokap, B., Nicolescu, V.N., 2019: Non-native tree species: strategies for sustainable management in Europe. *International Forestry Review*, 21(3): 295-314.

B. Papers published in journals included into international databases

1. Oosterbaan, A., Hochbichler, E., Nicolescu, V.N., Spiecker, H., 2009: Silvicultural principles, phases and measures in growing valuable broadleaved tree species. *Die Bodenkultur*, 60 (3): 43-49.
2. Radoglou, K., Dobrowolska, D., Spyroglou, G., Nicolescu, V.N., 2009: A review on the ecology and silviculture of limes (*Tilia cordata* Mill, *T. platyphyllos* Scop. and *T. tomentosa* Moench.) in Europe. *Die Bodenkultur*, 60 (3): 7-17.
3. Nicolescu, V.N., Hochbichler, E., Coello, J., Ravagni, S., Giulietti, V., 2009: Ecology and silviculture of wild service tree (*Sorbus torminalis* (L.) Crantz): a literature review. *Die Bodenkultur*, 60 (3): 33-42.
4. Nicolescu, V.N., 2010: Ecology and silviculture of sessile oak (*Quercus petraea* (Matt.) Liebl.) in Romania. *Spanish Journal of Rural Development*, vol. I, nr. 2, May: 35-50.
5. Nicolescu, V.N., Femmig, J., 2011: O problemă cu implicații importante în silvicultura românească: când ar trebui sistată aplicarea rănturilor? *Revista pădurilor*, nr. 2: 37-47.
6. Pătrăucean, A., Nicolescu, V.N., 2011: Early silviculture of Norway spruce (*Picea abies* (L.) Karst) plantations, between economics and stability: a case-study. *Spanish Journal of Rural Development*, vol. II(2), May: 23-32.
7. Nicolescu, V.N., 2012: Tratatamentul codrului neregulat: probleme specifice și posibilități de aplicare în România. *Revista pădurilor*, nr. 2, pp. 3-13.
8. Nicolescu, V.N., Târziu, D.R., 2012: Îngrijirea și conducerea arboretelor. Prezent și viitor. *Revista pădurilor*, nr. 6, pp. 24-27.
9. Sandi, M., Sandi, W., Nicolescu, V.N., 2012: Wood discoloration in relation to wound size in northern red oak (*Quercus rubra* L.) trees subject to artificial pruning. *Spanish Journal of Rural Development*, vol. III(1):53-60.
10. Nicolescu, V.N., Schubert, H., Vasilić, C., Pătrăucean, A., Pricop, A., Ciubotaru, G., Nițulescu, A., 2012: Some major structural characteristics of a silver fir-dominated stand in the Lignum forests (Bacău county, east of Romania). *Kastamonu University – Journal of Forestry Faculty*, vol. 12(3) Special issue:176-179.
11. Nicolescu, V.N., Femmig, J., Filipescu, C.N., Ramskogler, K., Candrea-Bozga, B.Ş., 2014: Duglasul verde (*Pseudotsuga menziesii* (Mirbel) Franco) în Europa: trecut, prezent și viitor. *Revista pădurilor*, nr. 5-6, pp. 3-19.
12. Faure, G., Pătrăucean, A., Nicolescu, V.N., 2015: Un exemple de la sylviculture de l'Épicea commun entre deux extrêmes. *Revista pădurilor*, nr. 5-6: 5-22.
13. Nicolescu, V.N., Hernea, C., Sandi, V., 2018: Alley cropping with strawberries: two case-studies in Romania. *Reforesta*, no. 6: 31-40.

COORDINATED PH.D. THESES

1. Cercetări privind silvotecnica aplicată în molidişurile artificiale, pure și tinere pentru mărirea stabilității arboretelor la acțiunea zăpezii și vântului (*Research on silvicultural operations performed in artificial, pure and young Norway spruce stands for increasing their stability to snow and wind*), PhD student eng. **Aurica Pătrăucean** (public defence 2012)
2. Cercetări privind influența lucrărilor silvotehnice (curățiri, tăieri de formare în coroană, elagaj artificial) asupra arborilor tineri și a lemnului de stejar roșu (*Research on the influence of silvicultural interventions (cleaning-respacing, formative pruning, artificial pruning) on northern red oak young trees and wood*), PhD student **Melinda Sandi** (public defence 2014).

Several publications resulted from coordinated PhD research theses

1. Sandi, M., Nicolescu, V.N., 2011: Early biometrical performances on northern red oak (*Quercus rubra* L.) in the south-east of Transylvania (Romania): a case-study. *Spanish Journal of Rural Development*, vol. II(1), January: 63-70.
2. Pătrăucean, A., Nicolescu, V.N., 2011: Early silviculture of Norway spruce (*Picea abies* (L.) Karst) plantations, between economics and stability: a case-study. *Spanish Journal of Rural Development*, vol. II(2), May: 23-32.
3. Sandi, M., Sandi, W., Nicolescu, V.N., 2012: Wood discolouration in relation to wound size in northern red oak (*Quercus rubra* L.) trees subject to artificial pruning. *Spanish Journal of Rural Development*, vol. III(1): 53-60.
4. Nicolescu, V.N., Sandi, M., Păun, M., 2013: Occlusion of pruning wounds on northern red oak (*Quercus rubra*) trees in Romania. *Scandinavian Journal of Forest Research*, 28(4): 340-345.
5. Faure, G., Pătrăucean, A., Nicolescu, V.N., 2015: Un exemple de la sylviculture de l'Épicéa commun entre deux extrêmes. *Revista pădurilor*, nr. 5-6: 5-22.