

PERSONAL INFORMATION

Vasile Răzvan CÂMPU✉ vasile.campu@unitbv.roPOSITION
IOSUD UTBv

Transilvania University of Braşov
PhD Coordinator
Doctoral Studies Field – Silviculture
Since: 2019

EXPERTISE FILED / RESEARCH
INTEREST AREA

The impact of timber harvesting on forest ecosystem components, wood scaling, tree quality assessment, the study of work in timber harvesting, wood sorting, tree stability assessment in urban areas, etc.

WORK EXPERIENCE

1 October 2015 – present

Associate professor

Transilvania University of Braşov, Faculty of Silviculture and Forest Engineering, Department of Forest Engineering, Forest Management Planning and Terrestrial Measurements
Şirul Beethoven nr. 1, 500123, Braşov, www.unitbv.ro

Main activities and responsibilities:

- *Teaching Activity* – Subjects taught: Wood processing, Wood processing technology, Timber Harvesting;
- *Professional training activity*: In charge of a post-graduate professional training academic programme: Managementul riscului la fasonarea arborilor și valorificarea superioară a lemnului (Risk management in tree processing and superior wood valuing); Professional training contract no. 7057/2017 - Risk management in tree processing and superior wood valuing, Beneficiary Regia Națională a Pădurilor – Romsilva, contract value 67500 RON no VAT included,
- *Research activity* and publication of results obtained in the fields mentioned above;
- *Other activities*:

Secretary of the Bachelor's Degree Exam Committee (2015)
Faculty practical training coordinator (2015 - present)

1 October 2009 – 30 September 2015

Lecturer

Transilvania University of Braşov, Faculty of Silviculture and Forest Engineering, Department of Forest Engineering, Forest Management Planning and Terrestrial Measurements
Şirul Beethoven nr. 1, 500123, Braşov, www.unitbv.ro

Main activities and responsibilities:

- *Teaching Activity* – Subjects taught: Wood Processing, Wood Processing Technology, Timber Harvesting.
 - *Research activity* and publication of results obtained in the expertise fields mentioned above;
- In charge of the following research contracts:
- Research contract 5847/2011 „ Cercetări privind determinarea factorilor de cubaj, de așezare și a masei specifice a lemnului destinat industriei de celuloză și a lemnului de foc, pe specii, fasonat la doi și trei metri (Research concerning the determination of the conversion factor of pulp industry wood and firewood)”– Scientific Research Fair organized by Regia Națională a Pădurilor - Romsilva, 100000 RON no VAT included;
 - Research contract 10767/2010 „ Cercetări privind eficiența metodelor moderne de exploatare a pădurilor și oportunitatea introducerii lor în arborete situate în condiții naturale variate (Research concerning the efficiency of modern timber harvesting methods and the suitability of using them in tree stands from various natural conditions)” – S.C. Esterhazy Bardeau Silvicultură S.R.L., 50000 RON no VAT included;
- *Other Activities*:

Secretary of the Bachelor's Degree Exam Committee (2010 - 2013)
Faculty practical training coordinator (2013, 2014)

1 October 2008 – 30 September 2009 Research Engineer

Research and Forest Management Institute, Brasov Subsidiary, Biometry Laboratory
Str. Cloșca nr. 13, tel. 0268 419936

Main activities and responsibilities:

- *Project management activity* – Forest management planning project for U.P. I Comarnic (2009) Forest District of Azuga;
- *Research activity*.

Team member in the following research projects:

- Contract 8.5 / 2009, beneficiary Regia Națională a Pădurilor – Romsilva: Procedee tehnice și metode practice pentru determinarea volumului arborilor în raport cu diametrul măsurat la cioată (Technical procedures and practical methods for determining tree volume depending on the stump diameter), coordinator Ph.D. Engineer Ovidiu Badea, Research and Forest Management Institute of Bucharest;
- Project Life Futmon 07 ENV/D/000218/2009: Further development and implementation of an EU – level forest monitoring system, coordinator for Romania Ph. D. Engineer Ovidiu Badea, Research and Forest Management Institute of Bucharest.

1 October 2005 – 30 September 2008 Full time Ph.D. Student

Transilvania University of Brașov, Faculty of Silviculture and Forest Engineering,
Șirul Beethoven nr. 1, 500123, Brașov, www.unitbv.ro

Main activities and responsibilities:

- *Research activity*.
- Grant TD 275/2007 „Cercetări privind posibilitățile de evaluare a calității lemnului de fag (*Fagus sylvatica* L.) pe picior în arborete din Bazinul Târlungulu (Research concerning the possibilities of assessing the quality of standing beech wood (*Fagus sylvatica* L.) in tree stands from Târlungului watershed) ” – CNCSIS national competition, 20000 RON. Experience gained as team member of national research projects and contracts obtained as a result of various competitions:
- PN-II IDEI 172/2007, „Indicatori de evaluare a calității ecosistemelor forestiere (IECEF), în corelație cu punerea în valoare a masei lemnoase (Indicators for the quality assessment of forest ecosystems (IECEF), correlated with wood valuing)”, 2007 – 2010, CNCSIS funding, coordinator Professor Ph.D. Engineer Arcadie Ciubotaru, Transilvania University of Brașov;
- PN-II IDEI 204/2007 „Elaborarea ghidurilor silviculturale ale unor specii de foioase prețioase (cireș, frasin comun și paltin de munte) de interes major în România și în Europa (Silvicultural guidebooks for valuable broadleaves species (cherry tree, ash tree and sycamore maple) of Romania and Europe)”, 2007 – 2010, CNCSIS funding, coordinator Professor Ph.D. Engineer Nicolescu Valeriu Norocel, Transilvania University of Brașov;
- Contract 55/2004 „Stabilirea nivelului maxim al prejudiciilor admise prin activitatea de exploatare a pădurilor Establishment of the maximum level of damage allowed in logging”, 2004 – 2005, MAPDR funding, coordinator Professor Ph.D. Engineer Arcadie Ciubotaru, Transilvania University of Brașov.

25 Septembe 2003 –30 September 2005 Forest Management Planning Engineer

Research and Forest Management Institute, Brașov Subsidiary, Forest Management Planning, Biometry Laboratory, Str. Cloșca nr. 13, tel. 0268 419936

Main activities and responsibilities:

- *Forest management planning*.
- Drawing up forest management plans for : U.P. V Tesla (2004) Expeimental Forest District of Săcele, U.P. I Ditrău (2004) Forest District of Gheorghieni;
- *Research activity*.

Team member in the following research contracts:

- Contract P7 / 2005, beneficiary Experimental Forest District of Săcele: „ Actualizarea și recondiționarea rețelei suprafețelor experimentale de lungă durată din cadrul O.S.E. Săcele (Updating and improvement of long term experimental plots of Experimental Forest District of Săcele)”;

- Contract R24.RB / 2004, beneficiary Research and Forest Management Institute of București: „Cercetări complexe în suprafețe experimentale permanente privind dinamica structurii creșterii și productivității arboretelor în vederea optimizării gospodăririi acestora (Complex research in permanent experimental plots concerning the dynamics of growth structure and productivity in tree stands with a view to optimizing their management)”;
- Contract P8 / 2004, beneficiary Research and Forest Management Institute of București: „Cercetări privind stabilirea Țelurilor de gospodărire în făgetele și amestecurile de fag cu rășinoase din Bazinul Superior al Tărlungului (Research concerning the management of beech and mixed beech and resinous tree stands from Tărlungului watershed)”;

EDUCATION AND TRAINING

January 2019

Ph. D. Coordinator, Habilitation Degree no. 3051/15.01.2019 – expertise field SILVICULTURE

October 2011 – March 2012 Psycho-pedagogical Training Program - Level II

Diploma – Graduation Certificate for the Psycho-pedagogical Training Program – Level II.
Subjects studied: Education Psychology, Pedagogy, Class Management, Teaching Methods in the Field of Expertise, Computer Assisted Learning.
Training organisation's name and locality:
Transilvania University of Brașov, Teacher Training Department

October 2010 – March 2011

Psycho-pedagogical Training Program - Level I

Diploma - Graduation Certificate for the Psycho-pedagogical Training Program – Level I.
Subjects studied: Teenager, Young Adult and Adult Psychopedagogy; Educational Program Management and Design; Current Trends in Student Centered Learning; Intercultural Education
Training organisation's name and locality:
Transilvania University of Brașov, Teacher Training Department

October 2005 – September 2008

Doctoral Studies

Diploma - Ph.D. Degree in Silviculture
Ph.D. thesis title: „Research concerning the possibilities of assessing the quality of standing beech wood (*Fagus sylvatica* L.) in pure tree stands from Tărlungului watershed”.
Ph.D. Coordinator: Professor, Ph.D., Engineer Arcadie Ciubotaru
Subjects studied: Timber Harvesting; Wood Sorting; Biostatistics; Information and Communication Management in Research; Creativity and Invention; Research Activity Resources; Research Projects Management
Training organisation's name and locality:
Transilvania University of Brașov

National or International Classification Level: ISCED 2011 – level 8

Octombrie 1998 – Iulie 2003

Bachelor's Degree/ Faculty of Silviculture and Forest Engineering

Diploma: Forestry Engineer in the field of Silviculture
Subjects studied: Dendrometry, Biostatistics, Botany, Plant Physiology, Entomology, Phytopathology, Topography, Photogrammetry and Remote Sensing, Pedology, Ecology, Dendrology, Afforestation, Silviculture, Timber Harvesting, Wildlife Management, Forest Constructions, Forest Transport, Forest Products and Wood Study, Forest Management Planning, Genetics and Forest Tree Genetic Improvement, Wood Processing Technology etc.
Training organisation's name and locality:
Transilvania University of Brașov
National or International Classification Level: ISCED 2011 – level 6

PERSONAL SKILLS

Mother Tongue Romanian

Other Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken Interaction	Spoken Production	Writing production
English	B1	B1	B1	B1	B1
French	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

Very good communication skills acquired while being part of various research teams both as research coordinator and as team member. Communication skills have also improved as a result of teaching Wood Processing, Wood Processing Technology and Timber Harvesting.

Organisational/managerial skills

Managerial experience in research activities as project coordinator and director. Organisational skills acquired as a result of the teaching activity and of being in charge of the faculty practical training.

In charge of a post-graduate professional training academic programme: Risk management in tree processing and superior wood valuing.

Job related skills

Sound experience in drawing up timber harvesting projects, in stacked wood scaling, in standing wood quality assessment, in tree stability assessment in urban areas and in chainsaw work training. Good knowledge of national and European occupational standards used in the professional training of forestry workers, especially that of mechanical chainsaw workers. At present, as a member of ABA INTERNATIONAL chainsaw experts, I am an international assessor in the testing of mechanical chainsaw workers according to European standards. These competences have been acquired as a result of participating in the following two programs: Erasmus+ VET Safety and European Utility Arborist.

Digital skills

Microsoft Office Professional: Word, Excel, PowerPoint etc;
 Internet, electronic mail;
 AutoCAD, Arbotom Rinntech;

ADDITIONAL INFORMATION

Publications

Books published by national publishing houses - 4
 WOS indexed papers - 8
 BDI indexed papers - 15
 Patent application - 1

Projects

Research Contracts Coordinated – 4

Memberships

ABA International (www.aba-skills.com)

Hirsch Indexes

ISI Index -2; Scopus Index – 2; Google Scholar Index- 3

ANNEXES

List of relevant publications

List of relevant publications – selection

WOS Indexed Journals

1. CIUBOTARU A., **CÂMPU V.R.**, 2018. *Delimiting and cross-cutting of coniferous trees – time consumption, work productivity and performance*. Forest 9(4), 206. DOI:10.3390/f9040206;<http://www.mdpi.com/1999-4907/9/4/206>
2. **CÂMPU, V. R.**, CIUBOTARU A., 2017. *Time consumption and productivity in manual tree felling with a chainsaw – a case study of resinous stands from mountainous areas*. Silva Fennica 51(2):1-19. DOI:10.14214/sf.1657
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=C6dnDBpGDbyKqQAKC1&page=1&doc=2
3. **CÂMPU, V. R.**, BORZ, S. A., 2017. *Amount and structure of tree damage when using cut-to-length system*. Environmental Engineering and Management Journal 16(9):2053-2061.
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=C6dnDBpGDbyKqQAKC1&page=1&doc=1
4. **CÂMPU, V. R.**, DUMITRACHE, R., BORZ, S.A., TIMOFTE, I. A, 2015. *The impact of log length on the conversion factor of stacked wood to solid content*. Wood Research 60(3):503-518.
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=C6dnDBpGDbyKqQAKC1&page=1&doc=4
5. **CÂMPU, V. R.**, DUMITRACHE, R., 2015. *Frost Crack Impact on European Beech (Fagus sylvatica L.) Wood Quality*. Not Bot Horti Agrobi 43(1), DOI:10.15835/nbha4319655.
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=C6dnDBpGDbyKqQAKC1&page=1&doc=5
6. BORZ, S.A., BÎRDA, M., IGNEA, G., POPA, B., **CÂMPU, V.R.**, IORDACHE, E., DERCZENI, R., 2014. *Efficiency of a Woody 60 processor attached to a Mounity 4100 tower yarder when processing coniferous timber from thinning operations*. Annals of Forest Research 57(2):333-345, DOI: 10.15287/afr.2014.258.
http://apps.webofknowledge.com/full_record.do?product=UA&search_mode=GeneralSearch&qid=2&SID=P2rGSdqBcdU8H88N4i2&page=1&doc=1

ISI proceedings

7. **CÂMPU, V.R.**, CIUBOTARU, A., 2013: *Apparent volumic mass models for pulpwood Norway spruce logs*. In Proceedings of Rural Development 2013 Aleksandras Stulginskis University, Lithuania, Vol. 6, p. 215 – 220.
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=C6dnDBpGDbyKqQAKC1&page=1&doc=9
8. **CÂMPU, V.R.**, 2014: *Mass loss and the measurement of beech and oak pulpwood moisture content*. In Proceedings of 14th GeoConference on Water Resources. Forest, Marine and Ocean Ecosystems, Vol. II, p. 399 – 406. DOI: 10.5593/SGEM2014/B32/S14.054
http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=4&SID=C6dnDBpGDbyKqQAKC1&page=1&doc=8

BDI Indexed Articles

9. **CÂMPU, V.R.**, 2015: *Factori de cubaj pentru lemnul de foc pachetizat cu lungimi mai mici de 1m*. Revista de Silvicultură și Cinegetică 35:133-137. <https://www.cabi.org/forestsience/abstract/20163044476>
10. **CÂMPU, V.R.**, DUMITRACHE, R., 2013: *Frost-crack frequency in beech stands*, In Bulletin of the Transilvania University of Braşov, Vol. 6 (55) No.2, Series II: Forestry, Wood Industry, Agricultural Food Engineering p. 9 – 14.
<http://www.cabi.org/forestsience/abstract/20143017069>
11. **CÂMPU, V.R.**, 2013: *Research Concerning Norway Spruce Wood Apparent Volumic Mass and Weight Decrease During the Storage Period*, In Proceedings of Biennial International Symposium Forest and Sustainable Development, Transilvania University Press, p. 109-113. <http://www.cabi.org/forestsience/abstract/20133203657>
12. **CÂMPU, V.R.**, 2012: *Determination of the Conversion Factor of Stacked Wood in Solid Content at Spruce Pulpwood and Firewood with the Length of Two and Three Meters*, In Bulletin of the Transilvania University of Brasov, Vol. 5 (54), no. 1, Series II: Forestry, Wood Industry, Agricultural Food Engineering, p.31 – 36.<http://www.cabi.org/forestsience/abstract/20123387830>
13. **CÂMPU, V.R.**, 2012: *Moisture Content Determination at Freshly Felled Common Hornbeam Wood* In Journal of EcoAgriTourism, Vol.8, nr.1(24), p. 20-23.<http://www.cabi.org/forestsience/abstract/20143263786>
14. **CÂMPU, V.R.**, 2012: *Research Concerning Hornbeam Wood Apparent Volumic Mass and Weight Decrease*, In Journal of EcoAgriTourism, Vol.8, nr.1(24), p. 24-26.<http://www.cabi.org/forestsience/abstract/20143263794>
15. ENACHE, L. N., CIUBOTARU, A., **CÂMPU, V. R.**, DAVID, E. C., DUMITRAŞCU, R., 2011: *Research on the Distribution of Tree Damage in Mountain Cutting Areas*, In Proceedings of Biennial International Symposium Forest and Sustainable Development, Transilvania University Press, p. 627-632. <http://www.cabi.org/forestsience/abstract/20123105559>
16. **CÂMPU, R.**, 2011: *Research Concerning the Determination of the Volume of Round Wood Affected by Forking and Knots at Beech Trees*, In Proceedings of Biennial International Symposium Forest and Sustainable Development, Transilvania University Press, p. 587 – 592.
<http://www.cabi.org/forestsience/abstract/20123105468>

17. **CÂMPU, V., R.**, 2010: Research Concerning the Development of Red Heartwood and its Influence on Beech Wood Sorting, In Bulletin of the Transilvania University of Braşov ,Vol. 3 (52) – 2010, Series II: Forestry, Wood Industry, Agricultural Food Engineering, p.11 – 16. <http://www.cabi.org/forestsscience/abstract/20123387783>
18. **CÂMPU, R.**, 2009: Research concerning the setting and development of rot within wounds at beech trees, In Bulletin of the Transilvania University of Braşov, Vol. 2 (51), Seria II, p. 7 – 12. <http://www.cabi.org/forestsscience/abstract/20123222203>
19. **CÂMPU, R.**, CIUBOTARU, A., 2009: Metodă pentru măsurarea caracteristicilor exterioare ale arborilor pe fotografii de înaltă rezoluție, Lucrările Sesiunii Ştiinţifice Bienale „Pădurea şi dezvoltarea durabilă”, Editura Universităţii Transilvania, Braşov, p. 621 – 626. <http://www.cabi.org/forestsscience/abstract/20093229956>
20. **CÂMPU, R.**, CIUBOTARU, A., 2008: *Cercetări privind determinarea frecvenţei înfurcării la arborii de fag pe picior*, Revista Pădurilor, nr. 6, p. 21 – 26. <http://www.cabi.org/forestsscience/abstract/20103231927>

Books

1. **Câmpu V. R.**, 2018: Ghidul utilizatorilor de ferăstraie mecanice (Chainsaw operators guide). Editura Universităţii Transilvania din Braşov, p.145. ISBN 9786061909889
2. **Câmpu V. R.**, 2014: Măsurarea lemnului stivuit (Wood scaling). Editura Universităţii Transilvania din Braşov, p.223. ISBN 9786061905027
3. Ciubotaru A., **Câmpu V. R.**, David E. C., 2012: Exploatarea şi prelucrarea lemnului (Timber harvesting and wood processing). Editura Universităţii Transilvania din Braşov, p.119. ISBN 9786061901371
4. **Câmpu V. R.**, 2009: Defectele vizibile şi calitatea arborilor în făgete (Wood defects and tree quality in bech stands). Editura Universităţii Transilvania din Braşov, p.115. ISBN 9789735985264