

## PERSONAL INFORMATION

**Mihaela CAMPEAN**✉ [campean@unitbv.ro](mailto:campean@unitbv.ro)POSITION  
IOSUD UTBVPhD Coordinator  
Doctoral studies field: Forestry Engineering  
Since 2009EXPERTISE FIELD AND  
RESEARCH INTEREST AREAS

Thermal treatments of wood / Wood processing technologies and wood products manufacturing technologies

## WORK EXPERIENCE

2012 - present

**Head of Department**

Transilvania University of Brasov, Faculty of Wood Engineering

Str.Universității nr. 1, 500068, Brasov, Romania

Main activities and responsibilities: Annual elaboration of curricula for all study programmes coordinated by the department; management of human resources

Business sector: Management of higher education institution

2009 – present

**PhD Coordinator**

Transilvania University of Brasov, Faculty of Wood Engineering

Str.Universității nr. 1, 500068, Brasov, Romania

Main activities and responsibilities: Coordination of PhD theses in the field of Forestry Engineering

Business sector: Research and development

2007 - present

**Professor**

Transilvania University of Brasov, Faculty of Wood Engineering

Str.Universității nr. 1, 500068, Brasov, Romania

Main activities and responsibilities: Teaching: Thermal treatments of wood and other related subjects

Business sector: Higher education

2003 - 2007

**Associate Professor**

Transilvania University of Brasov, Faculty of Wood Engineering

Str.Universității nr. 1, 500068, Brasov, Romania

Main activities and responsibilities: Teaching: Thermal treatments of wood and other related subjects

Business sector: Higher education

2000 - 2003

**Lecturer**

Transilvania University of Brasov, Faculty of Wood Engineering

Str.Universității nr. 1, 500068, Brasov, Romania

Main activities and responsibilities: Teaching: Thermal treatments of wood and other related subjects

Business sector: Higher education



- 1996 - 2000 **Assistant**  
 Transilvania University of Brasov, Faculty of Wood Engineering  
 Str.Universitatii nr. 1, 500068, Brasov, Romania  
 Main activities and responsibilities: Teaching: Thermal treatments of wood and other related subjects  
 Business sector: Higher education
- 1994 - 1996 **Preparatory Assistant**  
 Transilvania University of Brasov, Faculty of Mechanics  
 Str.Universitatii nr. 1, 500068, Brasov, Romania  
 Main activities and responsibilities: Teaching: Mechanics  
 Business sector: Higher education

EDUCATION AND TRAINING

- 1995 – 2000 **PhD**  
 Transilvania University of Brasov, Faculty of Wood Engineering  
 PhD thesis, entitled „Contributions to the study of forced drying of resinous timber under the effect of fast alternating air movement in the stack”
- 1988 - 1993 **Engineer**  
 Transilvania University of Brasov, Faculty of Wood Engineering

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
German	C2	C2	C2	C2	C2
English	B2	B2	B2	B2	B2

Cambridge

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 participation at numerous international conferences, relevant for my field of expertise (Quebec-Canada, 1996; Stellenbosch-South Africa, 1999; Tsukuba-Japan, 2001; Zvolen-Slovakia, 2006; Orono-USA, 2007; Skelleftea-Sweden, 2010 – as keynote speaker), but also gained due to the experience as head of department.

Organisational / managerial skills Good organisational and managerial skills gained as deputy-head of department (2004-2011); chief-editor of PRO LIGNO Journal (2005-present); coordinator of international conferences (IUFRO WDC - 2003, ICWSE -2011, ICWSE-2013); deputy-coordinator of IUFRO 5.04 subdivision – Wood Processing (2005-2015). Leadership (as head of department I am currently responsible for or a team of 40 people – 24 teachers and 16 administrative staff members).



Job-related skills	Good command of quality control processes for study programmes (I have coordinated the preparation of six evaluation files for the accreditation / re-accreditation of the study programees of the Wood Engineering Faculty).
Other skills	Digital skills. Good command of Microsoft Office™ instruments.

## ADDITIONAL INFORMATION

Publications Presentations Projects Conferences H Indexes	<p><b>Publications:</b> 14 books, ca. 80 scientific articles (19 in scientific ISI-indexed journals, 2 in ISI-indexed Proceedings, 40 in other journals, indexed in international databases, over 40 articles published in the proceedings of international conferences)</p> <p><b>Presentations:</b> 1 Keynote Address at IUFRO International Wood Drying Conference, 11-th edition, Skelleftea (Sweden), 2010</p> <p><b>Research projects:</b> 11, out of which 5 international projects (1 as director, 4 as member in the management team)</p> <p><b>Conferences:</b> 23</p> <p><b>Coordinated PhD theses:</b> 4 finalised and 4 in ellaboration</p> <p><b>Hirsch indexes:</b> H index (ISI) 4; H Index (Scopus) 5; H index Google Scholar 7</p>
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## ANNEX

## List of relevant publications – selection

ANNEX to CV

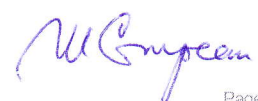
## LIST OF RELEVANT PUBLICATIONS /RESEARCH (selection)

## Books

Authors	Title	Publishing house	Year	ISBN
Bedelean, I.B., Câmpean, M.	Tratamente termice ale lemnului. Indrumar pentru lucrări practice	Editura Universităţii "Transilvania" Braşov, 170 pag.	2013	ISBN 978-606-19-0230-9
Câmpean, M., Marinescu, I.	Tratamente termice ale lemnului. Uscarea cherestelei	Editura Universităţii "Transilvania" Braşov, 170 pag.	2012	ISBN 978-606-19-0146-3
Câmpean, M.	Heat Treatments of Wood	Editura Universităţii "Transilvania" Braşov, 200 pag.	2005	ISBN 973-606-X

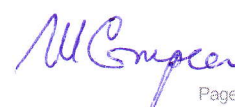
## Scientific articles in journals

Authors	Title	Publishing house	Year	ISBN
Lengyel, K., Bădin, N., Câmpean, M.	<u>In-Line Preparation System for the Paraffin Emulsion used within a Particleboards Manufacturing</u>	Bulletin of Transilvania University of Brasov, Series II, Wood Industry 10(59) No. 1	2017	ISSN 2065-2135 (Print), ISSN 2065-2143 (CD) (SCOPUS)
Hacibektasoglu, M., Câmpean, M., Ispas, M. Gurău, L.	Influence of Heat Treatment Duration on the Machinability of Beech Wood ( <i>Fagus sylvatica</i> L.) by Planing	BioResources 12(2): 2780-2791	2017	ISSN: 1930-2126 (ISI)
Olărescu, C.M, Câmpean, M., Coşoreanu, C	Shape- and dimensional stability of solid wood panels made from heat-treated lime wood strips	Eur J of Wood and Wood Products 75(3):467-471	2017	ISSN: 0018-3768 (print version) ISSN: 1436-736X (electronic version) (ISI)
Ispas, M. Gurău, L., Câmpean, M. Hacibektasoglu, M., Răcăşan, S.	Milling of heat-treated beech wood ( <i>Fagus sylvatica</i> L.) and analysis of surface quality	BioResources 11(4): 9095-9111	2016	ISSN: 1930-2126 (ISI)





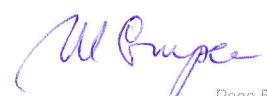
Timar, MC, Varodi, A., Hacibektasoglu, M., <b>Câmpean, M</b>	Color and FTIR analysis of chemical changes in beech wood ( <i>Fagus sylvatica</i> L.) after light steaming and heat treatment in two different environments	BioResources 11(4): 8325-8343	2016	ISSN: 1930-2126 (ISI)
<b>Câmpean, M.</b> , Lăzărescu, C.	Considerations upon the drying of oak lumber	Bulletin of Transilvania University of Brasov, Series II, Wood Industry 9(58) No. 1	2016	ISSN 2065-2135 (Print), ISSN 2065-2143 (CD)
Bedelean, B, Munteanu, S <b>Câmpean, M</b>	Analysis of drying kiln aerodynamics based on a full three-dimensional turbulent numerical computation	Drvna industrija 67(1):53-64	2016	ISSN 0012-6772 (ISI)
Szmutku, MB, <b>Câmpean, M.</b> , Nemeth, R., Bedeleian, B	Energy consumption in drying of frozen spruce wood	Environmental Engineering and Management Journal 14(9): 2177-2184	2015	ISSN 1582-9596 (ISI)
Olărescu, C.M, <b>Câmpean, M.</b> , Coșereanu, C	Thermal conductivity of solid wood panels made from heat-treated spruce and lime wood strips	PRO LIGNO 11(4): 377-382	2015	ISSN online 2069-7430 ISSN-L 1841-4737
Olărescu, C., <b>Câmpean, M.</b> , Olărescu, A.	Dimensional Stabilization Of Wood Originating From Small-Diameter Trees Through Heat Treatment	BioResources 9(3):4844-4861	2014	ISSN: 1930-2126 (ISI)
Olărescu, C., <b>Câmpean, M.</b> , Ispas, M., Cosereanu, C.	Effect of thermal treatment on some properties of lime wood	Eur J of Wood and Wood Products 72(4):559-562.	2014	ISSN: 0018-3768 (print version) ISSN: 1436-736X (electronic version) (ISI)
Olărescu, C., <b>Câmpean, M.</b> , Varodi, A	Colour and Dimensional Modifications of Solid Wood Panels Made From Heat-Treated Spruce Wood After Three Months of Outdoor Exposure.	PRO LIGNO 10(3): pp. 46-54	2014	ISSN online 2069-7430 ISSN-L 1841-4737
Szmutku, MB, <b>Câmpean, M.</b> , Bedeleian, B.	Upon the Drying of Frozen Timber	PRO LIGNO 9(4):700-708	2013	ISSN online 2069-7430 ISSN-L 1841-4737
Szmutku, MB, Nemeth, R, <b>Câmpean, M.</b>	Effect of Different Freezing Conditions Upon the Diffusion Coefficient of Spruce Wood	PRO LIGNO 9(3):3-12	2013	ISSN online 2069-7430 ISSN-L 1841-4737
Olărescu, CM, <b>Câmpean, M.</b> , Porojan, M.,	Effect of Heat Treatment Upon the Compression Strength of Black Pine and Spruce – A Comparison Between Wood Originating From Mature Trees Vs. Thinnings	PRO LIGNO 9(2):50-61	2013	ISSN online 2069-7430 ISSN-L 1841-4737
Szmutku, MB, Popa, V, <b>Câmpean, M.</b>	Experimental Study Regarding the Freezing and Thawing Dynamics of Spruce Wood	PRO LIGNO 9(1):50-60	2013	ISSN online 2069-7430 ISSN-L 1841-4737
Szmutku, MB., <b>Câmpean, M.</b> , Porojan, M.	Strength reduction of spruce wood through slow freezing	European Journal of Wood and Wood Products 71(2):205-210	2013	ISSN 0018-3768 (print) ISSN 1436-736X (online) (ISI)
Tuduce, A., Timar, M.C., <b>Campean, M.</b> , Croitoru, C., Sandu, I.	Paraloid B72 versus Paraloid B72 with Nano ZnO Additive as Consolidants for Frail Wood	Materiale plastice 49(4):293-300	2012	ISSN 0025-5289 (ISI)
Olărescu, C., <b>Câmpean, M.</b>	Effect of heat treatment upon dimensional stability and mass loss of black pine and spruce wood originating from mature trees vs. thinnings	PRO LIGNO 8(4):44-57	2012	ISSN online 2069-7430 ISSN-L 1841-4737
Gurau, L., <b>Campean, M.</b> , Olărescu, A.,	The effect of the heat treatment of Sessile oak wood ( <i>Quercus petraea</i> )	PRO LIGNO 8(2):53-67	2012	ISSN online 2069-7430



Porojan, M., Marton, N.	L) from young trees on the properties of panels with transversal grain			ISSN-L 1841-4737
Szmutku, MB., <b>Câmpean, M.</b> , Sandu, AV.	Influence of cyclic freezing and thawing upon spruce wood properties	PRO LIGNO 8(1):35-43	2011	ISSN online 2069-7430
Ispas, M., Brenci, L., <b>Campean, M.</b>	Experimental studies on the roughness of sanded wooden surfaces	PRO LIGNO 7(4): 59-70	2011	ISSN online 2069-7430 ISSN-L 1841-4737
Szmutku, B., <b>Campean, M.</b> , Sandu, A.V.	Microstructure modifications induced in spruce wood by frezing	PRO LIGNO 7(4): 26-31	2011	ISSN online 2069-7430 ISSN-L 1841-4737
<b>Campean, M.</b> , Marinescu, I.	Solar systems for wood drying	Environmental Engineering and Management Journal Vol. 10(8): 1069-1076	2011	ISSN 1582-9506 (ISI)
Budau, G., <b>Campean, M.</b> , Cosereanu, C., Lica, D.	REED - Plant biomass - as renewable and low-polluting energy resource	Environmental Engineering and Management Journal Vol. 10(8): 1053-1058	2011	ISSN 1582-9506 (ISI)
Tuduce, A., Timar, M.C., <b>Campean, M.</b>	Studies upon penetration of Paraloid B72 into poplar wood by cold immersion treatments	Bulletin of Transilvania University of Brasov, Series II, Wood Industry, Vol. 4 (53)	2011	ISSN 2065-2135 (Print), ISSN 2065-2143 (CD)
Szmutku, B., <b>Campean, M.</b> , Porojan, M., Sandu, A.V.	SEM applications for the study of modifications in wood cell membrane	Journal of Int. Science Publications: Materials, Methods and Technologies Vol. 5 Part 1: 363-374	2011	ISSN 1313-2539
Tuduce, A., Timar, M.C., Sandu, A.V., <b>Campean, M.</b>	Influence of two cold immersion treatments upon the consolidant uptake and its distribution into the wooden structure	Journal of Int. Science Publications: Materials, Methods and Technologies Vol. 5 Part 2: 201-212	2011	ISSN 1313-2539
<b>Campean, M.</b> , Gurau, L., Olarescu, A.	Effect of Heat Treat-ment upon Dimensional Stability and Static Bending Strength of Sessile Oak Wood	PRO LIGNO 7(2):46-55	2011	e-ISSN 2069-7430
Tuduce, A., <b>Campean, M.</b> , Timar, C.	Compatibility Indicators in Developing Consolidation Materials with Nanoparticle Insertions for Old Wooden Objects	International Journal of Conservation Science 1(4):219-226	2010	ISSN: 2067-533X

#### Scientific articles at conferences

Authors	Title	Published in	Year	ISBN
Gurău, L., <b>Câmpean, M.</b> , Ispas, M.	The influence of the heat treatment duration on the surface roughness of beech processed by planing	Proceedings of COST Action FP 1407 2 <sup>nd</sup> International Conference, Brno	2016	978-80-7509-429-2
Hacibektasoglu, M., <b>Câmpean, M.</b> , Ispas, M., Gurău, L.	Upon the machinability of heat-treated wood	Proceedings of ICWSE-2015, Brasov, November 2015, pp. 932-936	2015	1843-2689
Olărescu, CM, <b>Câmpean, M.</b>	Colour variation of heat-treated beech wood as consequence of long-time exposure to natural light	Proceedings of ICWSE-2013, Brasov, November 2013, pp. 932-936	2013	1843-2689
<b>Câmpean, M.</b> , Porojan M.	Guided colour modification of black locust wood through thermal treatments	Proceedings of ICWSE-2011, Brasov, November 2011, pp. 152-157	2011	1843-2689





Szmutku, MB., <b>Câmpean, M.</b>	SEM analysis concerning the effect of freezing and thawing upon the structure integrity of spruce wood	Proceedings of ICWSE-2011, Brasov, November 2011, pp. 111-117	2011	1843-2689
Szmutku, MB., <b>Câmpean, M.</b>	Experimental study concerning the effect of different freezing and thawing conditions upon some physical and mechanical properties of spruce wood	Proceedings of ICWSE-2011, Brasov, November 2011, pp. 118-127	2011	1843-2689
Tuduce, A., Timar MC., <b>Câmpean, M.</b>	A comparative study of acrylic resin treatments for the consolidation of old wooden objects	Proceedings of ICWSE-2011, Brasov, November 2011, pp. 443-450	2011	1843-2689
Tuduce, A., Timar MC., <b>Câmpean, M.</b>	Study upon the penetration of Paraliod B72 with ZnO nano-particle insertions into poplar wood	Proceedings of ICWSE-2011, Brasov, November 2011, pp. 459-466	2011	1843-2689
Szmutku, MB., <b>Câmpean, M.</b>	Evaluation of internal stresses after the drying of resinous frozen wood	Proc. of the 4th Int. Conf. "Woodworking Techniques", September 2011, pp. 314-320	2011	978-80-213-2182-3
<b>Câmpean, M.</b> , Marinescu, I.	Study concerning the hysteresis of sorption and desorption for wood of various species and dimensions	Proceedings of ICWSE-2009, Brasov, June 2009, pp. 52-57	2009	1843-2689
<b>Câmpean, M.</b> , Marinescu, I., Miklos, I.	Study concerning the heating duration of wooden prisms	Proceedings of ICWSE-2009, Brasov, June 2009, pp. 119-124	2009	1843-2689

