

Publikationen Prof.Dr. Holger Militz (Stand: 15-07-2016)

Journalbeiträge

1. Altgen M, Militz H (2016) Photodegradation of thermally-modified Scots pine and Norway spruce investigated on thin micro-veneers. *EUR J WOOD WOOD PROD* 74 (2): 185-190, doi: 10.007/s00107-015-0980-3
2. Avramidis G, Wascher R, Militz H, Viöl W (2016) Impact of air plasma treatment at atmospheric pressure on wood and wood extractives. *International Wood Products Journal* 7 (2): 76-79, doi: 10.1080/20426445.2016.1162429
3. Bastani A, Adamopoulos S, Koddenberg T, Militz H (2016) Study of adhesive bondlines in modified wood with fluorescence microscopy and X-ray micro-computed tomography. *J ADHESION* 68: 351–358
4. Bastani A, Adamopoulos S, Militz H (2016) Shear strength of furfurylated, N-methylol melamine and thermally modified wood bonded with three conventional adhesives. *Wood Material Science and Engineering (Print)* -: 1-6, doi: 10.1080/17480272.2016.1164754
5. Biziks V, Van den Bulcke J, Grinins J, Militz H, Andersons B, Andersone I, Dhaene J, Van Acker J (2016) Assessment of wood microstructural changes after one-stage thermo-hydro treatment (THT) by micro X-ray computed tomography. *HOLZFORSCHUNG* 70 (2): 167–177
6. Bongers F, Meijerink T, Lütke-meier B, Lankveld C, Alexander J, Militz H, Lehringer C (2016) Bonding of acetylated wood. *International Wood Products Journal* 7 (2): 102-106, doi: 10.1080/20426445.2016.1161944
7. Gascón-Garrido P, Mainusch N, Militz H, Viöl W, Mai C (2016) Effects of copper-plasma deposition on weathering properties of wood surfaces. *APPL SURF SCI* 366: 112–119
8. Geldermann J, Kolbe LM, Krause A, Mai C, Militz H, Osburg VS, Schöbel A, Schumann M, Toporowski W, Westphal S (2016) Improved resource efficiency and cascading utilisation of renewable materials. *J CLEAN PROD* 110: 1-8
9. Hünnekens B, Peters F, Avramidis G, Krause A, Militz H, Viöl W (2016) Plasma treatment of wood–polymer composites: A comparison of three different discharge types and their effect on surface properties. *J APPL POLYM SCI* 133 (18): -, doi: 10.1002/app.43376
10. Kielmann BC, Militz H, Mai C (2016) The effect of combined melamine resin coloring agent modification on water related properties of beech wood. *WOOD RES-SLOVAKIA* 61 (1): 1-12
11. Teuber L, Osburg VS, Toporowski W, Militz H, Krause A (2016) Wood polymer composites and their contribution to cascading utilisation. *J CLEAN PROD* 96: 1-7, doi: 10.1016/j.jclepro.2015.04.009
12. Wascher R, Avramidis G, Neubauer A, Seifert C, Militz H, Viöl W (2016) Entwicklung von Vorbehandlungsmethoden für Holz und Holzwerkstoffe auf Basis einer dielektrisch behinderten Gasentladung unter Atmosphärendruck. *Holztechnologie* 57 (2): 12-17
13. Wöhler-Geske A, Moschner CR, Gellerich A, Militz H, Greef JM, Hartung E (2016) Provenances and properties of thatching reed (*Phragmites australis*). *LANDBAUFORSCHUNG-GER* -: 1-10, doi: 10.3220/LBF1457686750000
14. Wöhler-Geske A, Moschner CR, Gellerich A, Militz H, Greef JM, Hartung E (2016) Yield, fermentation kinetics and the role of quality properties of thatching reed (*Phragmites australis*) during discontinuous anaerobic fermentation. *IND CROP PROD* 83: 701–709, doi: 10.1016/j.indcrop.2015.12.041

15. Xiao Z, Xu J, Mai C, Militz H, Wang Q, Xie Y (2016) Combustion behavior of Scots pine (*Pinus sylvestris* L.) sapwood treated with a dispersion of aluminum oxychloride-modified silica. *HOLZFORSCHUNG* -: 1-9, doi: 10.1515/hf-2016-0062
16. Adamopoulos S, Bastani A, Gascón-Garrido P, Militz H, Mai C (2015) Adhesive bonding of beech wood modified with a phenol formaldehyde compound. *EUR J WOOD WOOD PROD* -: 1-5, doi: 10.1007/s00107-012-0620-0
17. Bastani A, Adamopoulos S, Militz H (2015) Effect of open assembly time and equilibrium moisture content on the penetration of polyurethane adhesive into thermally modified wood. *J ADHESION* -: 1-10, doi: 10.1080/00218464.2015.1118621
18. Bastani A, Adamopoulos S, Militz H (2015) Gross adhesive penetration in furfurylated, N-methylol melamine-modified and heat-treated wood examined by fluorescence microscopy. *EUR J WOOD WOOD PROD* 73 (5): 635-642, doi: 10.1007/s00107-015-0920-2
19. Bastani A, Adamopoulos S, Militz H (2015) Water uptake and wetting behavior of furfurylated, N-methylol melamine modified and heat-treated wood. *EUR J WOOD WOOD PROD* 73 (5): 627-634, doi: 10.1007/s00107-015-0919-8
20. Biziks V, Andersons B, Sansonetti E, Andersone I, Militz H, Grinins J (2015) One-stage thermo-hydro treatment (THT) of hardwoods: an analysis of form stability after five soaking-drying cycles. *HOLZFORSCHUNG* 69 (5): 563-571
21. Gascón-Garrido P, Thévenon MF, Militz H, Mai C (2015) Resistance of Scots pine (*Pinus sylvestris* L.) modified with short- and long-chain siloxanes to subterranean termites (*Reticulitermes flavipes*). *WOOD SCI TECHNOL* 49 (1): 177–187, doi: 10.1007/s00226-014-0688-2
22. Namyslo JC, Kaufmann DE, Mai C, Militz H (2015) Chemical improvement of surfaces. Part 3: Covalent modification of Scots pine sapwood with substituted benzoates providing resistance to *Aureobasidium pullulans* staining fungi. *HOLZFORSCHUNG* 69 (5): 595-601
23. Wascher R, Leike N, Avramidis G, Wolkenhauer A, Militz H, Viöl W (2015) Improved DMDHEU uptake of beech veneers after plasma treatment at atmospheric pressure. *EUR J WOOD WOOD PROD* 73 (4): 433-437, doi: 10.1007/s00107-015-0916-y
24. Kielmann BC, Adamopoulos S, Militz H, Koch G, Mai C (2014) Modification of three hardwoods with an N-methylol melamine compound and a metal-complex dye. *WOOD SCI TECHNOL* 48 (1): 123-136, doi: 10.1007/s00226-013-0595-y
25. Kielmann BC, Adamopoulos S, Militz H, Mai C (2014) Decay resistance of ash, beech and maple wood modified with N-methylol melamine and a metal complex dye. *INT BIODETER BIODEGR* 89: 110-114
26. Wascher R, Avramidis G, Vetter U, Damm R, Peters F, Militz H, Viöl W (2014) Plasma induced effects within the bulk material of wood veneers. *SURF COAT TECH* 259: 62-67
27. Wascher R, Schulze N, Avramidis G, Militz H, Viöl W (2014) Increasing the water uptake of wood veneers through plasma treatment at atmospheric pressure. *EUR J WOOD WOOD PROD* 72: 685–687, doi: 10.1007/s00107-014-0815-7
28. Willems W, Altgen M, Militz H (2014) Comparison of EMC and durability of heat treated wood from high versus low water vapour pressure reactor systems. *International Wood Products Journal* -: 1-6, doi: <http://dx.doi.org/10.1179/2042645314Y.0000000083>
29. Xie Y, Liu N, Wang Q, Xiao Z, Wang F, Zhang Y, Militz H (2014) Combustion behavior of oak wood (*Quercus mongolica* L.) modified by 1,3-dimethylol-4,5-dihydroxyethyleneurea (DMDHEU). *HOLZFORSCHUNG* 68 (8): 881–887, doi: 10.1515/hf-2013-0224
30. Alfredsen G, Flæte PO, Militz H (2013) Decay resistance of acetic anhydride modified wood: a review. *International Wood Products Journal* 4 (3): 137-143

31. Altgen M, Welzbacher C, Militz H (2013) Bestimmung der Behandlungsqualität von Thermoholz mithilfe von Schnellverfahren. Teil 2: Nah-Infrarot-Spektroskopie. Holztechnologie 54 (1): 40-44
32. Biziks V, Andersons B, Belkova L, Kapača E, Militz H (2013) Changes in the microstructure of birch wood after hydrothermal treatment. WOOD SCI TECHNOL 47 (4): 717-735, doi: 10.1007/s00226-013-0531-1
33. Gascón-Garrido P, Oliver-Villanueva JV, Ibiza-Palacios MS, Militz H, Mai C, Adamopoulos S (2013) Resistance of wood modified with different technologies against Mediterranean termites (*Reticulitermes* spp.). INT BIODETER BIODEGR 82: 13-16
34. Gellerich A, Bollmus S, Militz H (2013) Untersuchungen zum Befallsdruck an Freileitungsholzmasten. Holztechnologie 54 (3): 32-37
35. Ghosh SC, Militz H, Mai C (2013) Modification of *Pinus sylvestris* L. wood with quat- and amino-silicones of different chain lengths. HOLZFORSCHUNG 67 (4): 421-427
36. Kielmann BC, Militz H, Mai C, Adamopoulos S (2013) Strength changes in ash, beech and maple wood modified with a n-methylol melamine compound and a metal-complex dye. WOOD RES-SLOVAKIA 58 (3): 343-352
37. Lopes DB, Mai C, Militz H (2013) Bending creep of Maritime pine wood (*Pinus pinaster* Ait.) chemically modified. Folia forestalia Polonica / Polska Akademia Nauk, Wydział Nauk Rolniczych i Leśnych, Komitet Technologii Drewna 55 (3): 120-131, doi: 10.2478/ffp-2013-00013
38. Mahnert KC, Adamopoulos S, Koch G, Militz M (2013) Topochemistry of heat-treated and N-methylol melamine-modified wood of koto (*Pterygota macrocarpa* K. Schum.) and limba (*Terminalia superba* Engl. et. Diels). HOLZFORSCHUNG 67 (2): 137-146
39. Mahr MS, Hübert T, Stephan I, Bücker M, Militz H (2013) Reducing copper leaching from treated wood by sol-gel derived TiO₂ and SiO₂ depositions. HOLZFORSCHUNG 67 (4): 429-435
40. Mahr MS, Hübert T, Stephan I, Militz H (2013) Decay protection of wood against brown-rot fungi by titanium alkoxide impregnations. INT BIODETER BIODEGR 77: 56-62
41. Maschek D, Goddell B, Jellison J, Lessard M, Militz H (2013) A New Approach for the Study of the Chemical Composition of Bordered Pit Membranes: 4Pi and Confocal Laser Scanning Microscopy. AM J BOT 100 (9): 1-6, doi: 10.3732/ajb.1300004
42. Pries M, Wagner R, Kaesler KH, Militz H, Mai C (2013) Effect of short-chain silicones bearing different functional groups on the resistance of pine (*Pinus sylvestris* L.) and beech (*Fagus sylvatica* L.) against decay fungi. HOLZFORSCHUNG 67 (4): 447-454
43. Sint KM, Adamopoulos S, Koch G, Hapla F, Militz H (2013) Impregnation of *Bombax ceiba* and *Bombax insigne* wood with a N-methylol melamine compound. WOOD SCI TECHNOL 47: 43–58, doi: DOI 10.1007/s00226-012-0482-y
44. Sint KM, Adamopoulos S, Koch G, Hapla F, Militz H (2013) Wood anatomy and topochemistry of *Bombax ceiba* L. and *Bombax insigne* Wall. BIORESOURCES 8 (1): 530-544
45. Willems W, Gérardinc P, Militz H (2013) The average carbon oxidation state of thermally modified wood as a marker for its decay resistance against Basidiomycetes. POLYM DEGRAD STABIL 98 (11): 2140–2145, doi: 10.1016/j.polymdegradstab.2013.09.003
46. Willems W, Mai C, Militz H (2013) Thermal wood modification chemistry analysed using van Krevelen's representation. International Wood Products Journal 4 (3): 166-171
47. Xie Y, Fu Q, Wang Q, Xiao Z, Militz H (2013) Effects of chemical modification on the mechanical properties of wood. EUR J WOOD WOOD PROD 71 (4): 401-416

48. Adamopoulos S, Bastani A, Gascon-Garrido P, Militz H, Mai C (2012) Adhesive bonding of beech wood modified with a phenol formaldehyde compound. EUR J WOOD WOOD PROD 70 (6): 897-901, doi: 10.1007/s00107-012-0620-0
49. Adamopoulos S, Gellerich A, Mantanis G, Kalaitzi T, Militz M (2012) Resistance of *Pinus leucodermis* heartwood and sapwood against the brown-rot fungus *Coniophora puteana*. Wood Material Science and Engineering (Print) -: 1-3, doi: 10.1080/17480272.2012.684705
50. Altgen M, Welzbacher C, Humar M, Willems W, Militz H (2012) Bestimmung der Behandlungsqualität von Thermoholz mithilfe von Schnellverfahren. Teil 1: Elektronenspin-Resonanz-Spektroskopie. Holztechnologie 53 (6): 44-49
51. Avramidis G, Klarhöfer L, Maus-Friedrichs W, Militz H, Viöl W (2012) Influence of air plasma treatment at atmospheric pressure on wood extractives. POLYM DEGRAD STABIL 97(3): 469-471
52. Avramidis G, Militz H, Avar I, Viöl W, Wolkenhauer A (2012) Improved absorption characteristics of thermally modified beech veneer produced by plasma treatment. EUR J WOOD WOOD PROD 70 (5): 545-549
53. Gelbrich J, Kretschmar EI, Lamersdorf N, Militz H (2012) Laboratory Experiments as Support for Development of In Situ Conservation Methods. Conservation and Management of Archaeological Sites 14 (1-4): 7-15
54. Gelbrich J, Mai C, Militz H (2012) Evaluation of bacterial wood degradation by Fourier Transform Infrared (FTIR) measurements. J CULT HERIT 13 (3): 135–138, doi: 10.1016
55. Ghosh S, Dyckmans J, Militz H, Mai C (2012) Effect of quat- and amino-silicones on fungal colonisation and decay of wood. HOLZFORSCHUNG 66 (8): 1009-1015
56. Ghosh SC, Peters BC, Fitzgerald CJ, Militz H, Mai C (2012) Resistance of Scots pine (*Pinus sylvestris* L.) wood modified with functionalized commercial silicone emulsions against subterranean termites. WOOD SCI TECHNOL 46: 1033-1041, doi: 10.1007/s00226-012-0464-0
57. Hill CAS, Keating B, Jalaludin Z, Mahrtdt E (2012) A rheological description of the water vapour sorption kinetics behaviour of wood invoking a model using a canonical assembly of Kelvin-Voigt elements and a possible link with sorption hysteresis. HOLZFORSCHUNG 66(1): 35-47, doi: DOI: 10.1515/HF.2011.115
58. Mahnert KC, Adamopoulos S, Koch G, Militz H (2012) Topochemistry of heat-treated and N-methylol melamine modified wood of Koto (*Pterygota macrocarpa* K. Schum.) and Limba (*Terminalia superba* Engl. et Diels). HOLZFORSCHUNG: 1-10, doi: DOI: 10.1515/hf-2012-0017
59. Mahr MS, Hübert T, Sabel M, Schartel B, Bahr H, Militz H (2012) Fire retardancy of sol-gel derived titania wood-inorganic composites. J MATER SCI 47: 6849–6861, doi: 10.1007/s10853-012-6628-3
60. Mahr MS, Hübert T, Schartel B, Bahr H, Sabel M, Militz H (2012) Fire retardancy effects in single and double layered sol-gel derived TiO₂ and SiO₂ -wood composites. J SOL-GEL SCI TECHN.: 1-13, doi: 10.1007/s10971-012-2877-5
61. Mahr MS, Hübert T, Stephan I, Bücken M, Militz H (2012) Reducing copper leaching from treated wood by sol-gel derived TiO₂ and SiO₂ depositions. HOLZFORSCHUNG - : 1-7, doi: 10.1515/hf-2012-0105
62. Müller M, Militz H, Krause A (2012) Thermal degradation of ethanolamine treated polyvinyl chloride/wood flour composites. POLYM DEGRAD STABIL 97(2): 166-169
63. Pfeffer A, Hoegger PJ, Kues U, Militz H (2012) Fungal colonisation of outside weathered modified wood. WOOD SCI TECHNOL 46: 63-72, doi: DOI 10.1007/s00226-010-0386-7
64. Pfeffer A, Mai C, Militz H (2012) Weathering characteristics of wood treated with water glass, siloxane or DMDHEU. EUR J WOOD WOOD PROD 70(1-3): 165-176
65. Scholz G, Krause A, Militz H (2012) Volltränkung modifizierten Holzes mit Wachs. EUR J WOOD WOOD PROD 70(1-3): 91-98

66. Sivrikaya H, Hafizoglu H, Cragg SM, Carrillo A, Militz H, Mai C, Borges LMS (2012) Evaluation of wooden materials deteriorated by marine-wood boring organisms in the Black Sea. *MADERAS-CIENC TECNOL* 14 (1): 79-90
67. Trinh HM, Militz H, Mai C (2012) Modification of beech veneers with N-methylol melamine compounds for the production of plywood: natural weathering. *EUR J WOOD WOOD PROD* 70 (1): 279-286, doi: 10.1007/s00107-011-0554-y
68. Xie Y, Krause A, Militz H, Steuernagel L, Mai C (2012) Effects of hydrophobation treatments of wood particles with an amino alkylsiloxane co-oligomer on properties of the ensuing polypropylene composites. *COMPOS PART A-APPL S.*: 32-39, doi: 10.1016/j.compositesa.2012.08.011
69. Adamopoulos S, Xie Y, Militz H (2011) Distribution of blue stain in untreated and DMDHEU treated Scots pine sapwood panels after six years of outdoor weathering. *EUR J WOOD WOOD PROD* 69(2): 333-336
70. Avramidis G, Scholz G, Nothnick E, Militz H, Viöl W, Wolkenhauer A (2011) Improved bondability of wax-treated wood following plasma treatment. *WOOD SCI TECHNOL* 45: 359-368
71. Larnoy E, Eikenes M, Militz H (2011) Detection of chlorine-labelled chitosan in Scots pine by energy-dispersive X-ray spectroscopy. *WOOD SCI TECHNOL* 45: 103-110
72. Lehringer C, Koch G, Adusumalli RB, Mook WM, Richter K, Militz H (2011) Effect of *Physisporinus vitreus* on wood properties of Norway spruce. Part 1: Aspects of delignification and surface hardness. *HOLZFORSCHUNG* 65(5): 711-719
73. Lehringer C, Saake B, Zivkovic V, Richter K, Militz H (2011) Effect of *Physisporinus vitreus* on wood properties of Norway spruce. Part 2: Aspects of microtensile strength and chemical changes. *HOLZFORSCHUNG* 65(5): 721-727
74. Lehringer C, Schubert M, Arnold M, Militz H, Richter K, Schwarze F (2011) Verbesserung der Permeabilität von Fichtenholz mit dem Weißfäulepilz *Physisporinus vitreus* - ein Statusbericht. *Holztechnologie* 52(5): 40-45
75. Militz H, Schaffert S, Peters BC, Fitzgerald CJ (2011) Termite resistance of DMDHEU-treated wood. *WOOD SCI TECHNOL* 45: 547-557
76. Müller M, Grüneberg T, Militz H, Krause A (2011) Amine treatment of polyvinyl chloride/wood flour composites. *J APPL POLYM SCI* 1: 1-5, doi: 10.1002/app.35482
77. Müller M, Radovanovic I, Grüneberg T, Militz H, Krause A (2011) Influence of various wood modifications on the properties of polyvinyl chloride/wood flour composites. *J APPL POLYM SCI* 1: 1-5, doi: 10.1002/app.34647
78. Papadopoulos AN, Militz H, Pfeffer A (2011) Durability of pine wood modified with a series of linear chain carboxylic acid anhydrides against soft rot fungi. *WOOD RES-SLOVAKIA* 56(2): 147-156
79. Scholz G, Militz H (2011) Materialeigenschaften wachsimprägnierten Holzes. *Holztechnologie* 6: 29-33
80. Scholz G, Adamopoulos S, Militz H (2011) Migration of blue stain fungi within wax impregnated wood. *IAWA J* 32(1): 88-96
81. Sint KM, Militz H, Hapla F, Adamopoulos S (2011) Treatability and Penetration Indices of Four Lesser-used Myanmar Hardwoods. *WOOD RES-SLOVAKIA* 56(1): 13-22
82. Treu A, Larnøy E, Militz H (2011) Process related copper leaching during a combined wood preservation process. *EUR J WOOD WOOD PROD* 69: 263-269
83. Trinh HM, Militz H, Mai C (2011) Modification of beech veneers with N-methylol-melamine compounds for the production of plywood. *EUR J WOOD WOOD PROD* DOI 10.1007/s00107-011-0569-4: 3-14, doi: DOI 10.1007/s00107-011-0569-4
84. Xie Y, Hill CAS, Xiao Z, Mai C, Militz H (2011) Dynamic water vapour sorption properties of wood treated with glutaraldehyde. *WOOD SCI TECHNOL* 45: 49-61
85. Avramidis G, Nothnick E, Wolkenhauer A, Militz H, Viöl W (2010) Holzoberflächenmodifikation mittels Atmosphärendruckplasma. *Vakuum in Forschung*

und Praxis: Vip; Zeitschrift für Vakuumtechnologie, Oberflächen und Dünne Schichten 22(1): 25-29

86. Grüneberg T, Brandes J, Mai C, Militz H, Drochelmann M, Rosenplänter A (2010) Untersuchungen ausgewählter Eigenschaften eines Verbundwerkstoffes aus Silikon-Elastomeren gefüllt mit chemisch modifizierten Holzpartikeln. *Holztechnologie* 51(4): 19-24
87. Hundhausen U, Militz H, Mai C (2010) PF-bonded particleboards from AKD-modified chips. *EUR J WOOD WOOD PROD* 68: 143-149
88. Hundhausen U, Militz H, Mai C (2010) Treatment of Particleboard Chips with Alkenyl Succinic Anhydride. *WOOD RES-SLOVAKIA* 55: 25-38
89. Larnøy E, Eikenes M, Militz H (2010) Detection of chlorine-labelled chitosan in Scots pine by energy-dispersive X-ray spectroscopy. *WOOD SCI TECHNOL DOI* 10.1007/s00226-010-0306-x: 1-8
90. Lehringer C, Hillebrand K, Richter K, Arnold M, Schwarze F, Militz H (2010) Anatomy of bioincised Norway spruce wood. *INT BIODETER BIODEGR* 1: 1-10
91. Mohebby B, Militz H (2010) Microbial attack of acetylated wood in field soil trials. *INT BIODETER BIODEGR* 64: 41-50
92. Möhring B, Oldershausen P, Mantau U, Alteheld R, Cordes H, Jänich K, Militz H, Spellmann H, Seintsch B (2010) Nadelholz bleibt wirtschaftliches Rückgrat der Forstbetriebe. *Der bayerische Waldbesitzer* 6: 14-15
93. Pfeffer A, Militz H (2010) Laboratory Test of the Performance of DMDHEU, Siloxane and Water Glass Modified Wood against Blue Stain Fungi. *WOOD RES-SLOVAKIA* 55(3): 73-82
94. Pries M, Militz H, Goodell B, Xie X, Qian Y, Peterson M, Lopez-Anido R (2010) A Note on Reinforcement of Polyme Matrix Composites Using Carbon Residues Derived From Woody Biomass. *J COMPOS MATER* doi:10.1177/0021998309360935: 1-10
95. Scholz G, den Bulcke JV, Boone M, Zauer M, Bäucker E, van Acker J, Militz H (2010) Investigation on wax-impregnated wood. Part 1: Microscopic observations and 2D X-ray imaging of distinct wax types. *HOLZFORSCHUNG* 64(5): 581-585
96. Scholz G, Krause A, Militz H (2010) Beeinflussung der Holzfestigkeit durch Wachstränkung. *Holztechnologie* 51(3): 22-27
97. Scholz G, Krause K, Militz H (2010) Exploratory study on the impregnation of Scots pine sapwood (*Pinus sylvestris* L.) and European beech (*Fagus sylvatica* L.) with different hot melting waxes. *WOOD SCI TECHNOL* 10.1007/s00226-010-0353-3: 379-388
98. Scholz G, Militz H, Gascón-Garrido P, Ibiza-Palacios MS, Oliver-Villanueva JV, Peters BC, Fitzgerald CJ (2010) Improved termite resistance of wood by wax impregnation. *INT BIODETER BIODEGR* 64: 688-693
99. Scholz G, Nothnick E, Avramidis G, Krause A, Militz H, Viöl W, Wolkenhauer A (2010) Verklebung von wachsimprägnierter Buche unter Variation der Klebesysteme und Durchführung einer Plasmabehandlung. *EUR J WOOD WOOD PROD* 68(3): 315-321
100. Scholz G, Zauer M, van den Bulcke J, van Loo D, Pfriem A, van Acker J, Militz H (2010) Investigation on wax-impregnated wood. Part 2: Study of void spaces filled with air by He pycnometry, Hg intrusion porosimetry, and 3D X-ray imaging. *HOLZFORSCHUNG* 64(5): 587-593
101. Xiao Z, Xie Y, Militz H, Mai C (2010) Effect of glutaraldehyde on water related properties of solid wood. *HOLZFORSCHUNG* 64(4): 483-488
102. Xiao Z, Xie Y, Militz M, Mai C (2010) Effects of modification with glutaraldehyde on the mechanical properties of wood. *HOLZFORSCHUNG* 64(4): 475-482
103. Xie L, Grüneberg T, Steuernagel L, Ziegmann G, Militz H (2010) Improvement of Mechanical Properties of Injection Molded Wood/polypropylene Composites Parts with Ultrasonic Oscillation Assistant. *Msf* 10(4028): 2636-2639

104. Xie Y, Hill CAS, Xiao Z, Militz H, Mai C (2010) Silane coupling agents used for natural fiber / polymer composites: A review. COMPOS PART A-APPL S doi:10.1016/j.compositesa.2010.03.005: 1-14
105. Xie Y, Xiao Z, Goodell B, Jellison J, Militz H, Mai C (2010) Degradation of wood veneers by Fenton's reagents: Effects of wood constituents and low molecular weight phenolic compounds on hydrogen peroxide decomposition and wood tensile strength loss. HOLZFORSCHUNG 64(3): 375-383
106. Xie Y, Xiao Z, Grüneberg T, Militz H, Hill CAS, Steuernagel L, Mai C (2010) Effects of chemical modification of wood particles with glutaraldehyde and 1,3-dimethylol-4,5-dihydroxyethyleneurea on properties of the resulting polypropylene composites. COMPOS SCI TECHNOL 70: 2003-2011
107. Avramidis G, Hauswald E, Lyapin A, Militz H, Viöl W, Wolkenhauer A (2009) Plasma treatment of wood and wood-based materials to generate hydrophilic or hydrophobic surface characteristics. Wood Material Science and Engineering (Print) 4(1-2): 52-60
108. Bollmus S, Dieste A, Militz H, Rademacher P (2009) Materialeigenschaften von modifiziertem Buchenholz. Forst und Holz 64(7/8): 30 - 34
109. Dieste A, Krause A, Bollmus S, Militz H (2009) Gluing ability of plywood produced with DMDHEU-modified veneers of Fagus sp., Betula sp. and Picea sp. J ADHESION 29: 206-209
110. Dieste A, Krause A, Mai C, Sèbe G, Grelier S, Militz H (2009) Modification of Fagus sylvatica (L.) with 1,3-dimethylol-4,5-dihydroxyethylene urea (DMDHEU). Part 2: Pore size distribution determined by differential scanning calorimetry. HOLZFORSCHUNG 63(1): 89-93
111. Ghosh SC, Militz H, Mai C (2009) The efficacy of commercial silicones against blue stain and mould fungi in wood. EUR J WOOD WOOD PROD 67(2): 159-167
112. Grüneberg T, Mai C, Militz H, Radovanovic I, Kretschmer K, Kurda K (2009) Holz und Kunststoff - die Eigenschaften der Rohstoffe für Wood Plastic Composites (WPC). Holztechnologie 50(2): 37-40
113. Grüneberg T, Mai C, Militz H, Radovanovic I, Kretschmer K, Kurda K (2009) Holz und Kunststoff - die Eigenschaften der Rohstoffe für Wood Plastic Composites (WPC). Teil 2. Holztechnologie 50(3): 28-31
114. Hundhausen U, Militz H, Mai C (2009) Use of alkyl ketene dimmer (AKD) for surface modification of particleboard chips. EUR J WOOD WOOD PROD 67: 37-45
115. Hundhausen U, Stohldreier R, Militz H, Mai C (2009) Procedural influence on the properties of particle boards made from AKD modified chips. EUR J WOOD WOOD PROD 67: 303-311
116. Lehringer C, Richter K, Schwarze F, Militz H (2009) A review on promising approaches for liquid permeability improvement in softwoods. WOOD FIBER SCI 41(4): 373-385
117. Militz H, Lande S (2009) Challenges in wood modification technology on the way to practical applications. Wood Material Science and Engineering (Print) 4(1/2): 23-29
118. Napp M, Rehn P, Wolkenhauer A, Avramidis G, Militz H, Viöl W (2009) Hafterleichterung -Plasma steigert Haftung von HWS-Oberflächen - schnellere Trocknung von Leimen. Holz-Zentralblatt 2009: 72-75
119. Rademacher P, Bollmus S, Puttmann S, Dieste A, Krause A, Militz H (2009) Produktbeispiele für die industrielle Anwendung von modifiziertem Buchenholz. Forst und Holz 64(7/8): 35-39
120. Verma P, Junga U, Militz H, Mai C (2009) Protection mechanisms of DMDHEU treated wood against white and brown rot fungi. HOLZFORSCHUNG 63: 371-378

121. Wolkenhauer A, Avramidis G, Hauswald E, Loose S, Viöl W, Militz H (2009) Investigations on the drying behaviour on plasma-treated wood materials. *WOOD RES-SLOVAKIA* 54(1): 59-66
122. Xie L, Grueneberg T, Steuernagel L, Ziegmann G, Militz H (2009) Influence of Particle Concentration and Type on Flow, Thermal and Mechanical Property of Wood-Polypropylene Composites. *J REINF PLAST COMP*
doi:10.1177/0731684409341763: 1-6
123. Dieste A, Krause A, Bollmus S, Militz H (2008) Physical and mechanical properties of plywood produced with 1,3-dimethylol-4,5-dihydroxyethyleneurea (DMDHEU)-modified veneers of *Betula* sp. and *Fagus sylvatica*. *EUR J WOOD WOOD PROD* 66: 281-287
124. Dieste A, Krause A, Militz H (2008) Modification of *Fagus sylvatica* (L.) with 1,3-dimethylol-4,5-dihydroxyethylene urea (DMDHEU): Part 1. Estimation of heat adsorption by the isosteric method (Hailwood-Horrobin model) and by solution calorimetry. *HOLZFORSCHUNG* 62(5): 577-583
125. Dieste A, Mai C, Militz H, Oliver JV (2008) Nuevas alternativas a los métodos de preservación de la madera. *Cim Comercio E Industria de la Madera* 6: 55-59
126. Gelbrich J, Mai C, Militz H (2008) Chemical changes in wood degraded by bacteria. *INT BIODETER BIODEGR* 61(1): 24-32
127. Hundhausen U, Militz H, Mai C (2008) Use of alkyl ketene dimer (AKD) for surface modification of particleboard chips. *EUR J WOOD WOOD PROD*
10.1007/s00107-008-0275-z: 1-9
128. Kretschmar E, Gelbrich J, Militz H, Lamersdorf N (2008) Studying bacterial wood decay under low oxygen conditions - results of microcosm experiments. *INT BIODETER BIODEGR* 61: 69-84
129. Kurt R, Krause A, Militz H, Mai C (2008) Hydroxymethylated resorcinol (HMR) priming agent for improved bondability of wax-treated wood. *EUR J WOOD WOOD PROD* 66: 333-338
130. Kurt R, Mai C, Krause A, Militz H (2008) Hydroxymethylated resorcinol (HMR) priming agent for improved bondability of silicone modified wood glued with a polyvinyl acetate adhesive. *EUR J WOOD WOOD PROD* 66: 305-307
131. Pradeep V, Dyckmanns J, Militz H, Mai C (2008) Determination of fungal activity in modified wood by means of micro-calorimetry and determination of total esterase activity. *APPL MICROBIOL BIOT* 80: 125-133
132. Weigenand O, Humar M, Daniel G, Militz H, Mai C (2008) Decay resistance of wood treated with amino-silicone compounds. *HOLZFORSCHUNG* 62(1): 112-118
133. Wolkenhauer A, Avradamis G, Hauswald E, Militz H, Viöl W (2008) Plasmabehandlung von Holz-Kunststoff-Kompositen und Spanplatten zur Verbesserung der Oberflächeneigenschaften. *Holztechnologie* 49(4): 22-27
134. Wolkenhauer A, Avramidis G, Militz H, Viöl W (2008) Plasma treatment of heat treated beech wood investigation on surface free energy. *HOLZFORSCHUNG* 62(4): 472-474
135. Wolkenhauer A, Militz H, Viöl W (2008) Increased PVA-Glue adhesion on particle board and fibre board by plasma treatment. *EUR J WOOD WOOD PROD* 66: 143-145
136. Xie Y, Krause A, Militz H, Mai C (2008) Weathering of uncoated and coated wood treated with methylated 1,3-dimethylol-4,5-dihydroxyethyleneurea(mDMDHEU). *EUR J WOOD WOOD PROD* 66(6): 455-464
137. Donath S, Militz H, Mai C (2007) Weathering of silane treated wood. *EUR J WOOD WOOD PROD* 65: 35-42
138. Neff A, Hapla F (2007) Aufbereitungsversuche von Holzhackschnitzeln zur energetische Nutzung - Erfahrungsberichte aus Norddeutschland. *Holztechnologie* 48: 5-10

139. Petric M, Knehtl B, Krause A, Militz H, Pavlic M, Pétrissans M, Rapp A, Tomazic M, Welzbacher C, Gérardin P (2007) Wettability of waterborne coatings on chemically and thermally modified pine wood. *J Coat Technol Res* 4: 203-206
140. Weigenand O, Militz H, Tingaut P, Sèbe G, de Jeso B, Mai C (2007) Penetration of amino-silicone micro- and macro-emulsions into Scots pine sapwood and the effect on water-related properties. *HOLZFORSCHUNG* 61: 51-59
141. Wolkenhauer A, Avramidis G, Cai Y, Militz H, Viöl W (2007) Investigation of wood and timber surface modification by dielectric barrier discharge at atmospheric pressure. *PLASMA PROCESS POLYM* 4: 470-474
142. Wolkenhauer A, Avramidis G, Hauswald E, Militz H, Viöl W (2007) Sanding vs. plasma treatment of aged wood: A comparison with respect to surface energy. *J ADHESION* 29: 18-22
143. Xie Y, Krause A, Militz H, Turkulin H, Richter K, Mai C (2007) Effect of treatments with 1,3-dimethylol-4,5-dihydroxyethyleneurea (DMDHEU) on the tensile properties of wood. *HOLZFORSCHUNG* 61: 43-50
144. Alfredsen G, Larnøy E, Militz H (2006) Dynamic MOE testing of wood: The influence of wood protecting agents and moisture content on ultrasonic pulse and resonant vibration. *WOOD RES-SLOVAKIA* 51(1): 11-20
145. Boonstra MJ, Rijdsdijk JF, Sander C, Kegel E, Tjeerdsma B, Militz H, van Acker J, Stevens M (2006) Microstructural and physical aspects of heat treated wood. Part 1. Softwoods. *MADERAS-CIENC TECNOL* 8(3): 193-208
146. Boonstra MJ, Rijdsdijk JF, Sander C, Kegel E, Tjeerdsma B, Militz H, van Acker J, Stevens M (2006) Microstructural and physical aspects of heat treated wood. Part 2. Hardwoods. *MADERAS-CIENC TECNOL* 8(3): 209-217
147. Donath S, Militz H, Mai C (2006) Creating water-repellent effects on wood by treatment with silanes. *HOLZFORSCHUNG* 60: 40-46
148. Donath S, Militz H, Mai C (2006) Treatment of wood with aminofunctional silanes for protection against wood destroying fungi. *HOLZFORSCHUNG* 60: 210-216
149. Haaben C, Sanders C, Hapla F (2006) Untersuchung der Stammqualität verschiedener Laubholzarten mittels Schallimpuls-Tomographie. *Holztechnologie* 47(6): 5-12
150. Joscák T, Krause A, Treu A, Militz H (2006) Determination of moisture content of resin modified wood. *WOOD RES-SLOVAKIA* 51(4): 37-46
151. Larnøy E, Dantz S, Eikenes M, Militz H (2006) Screening of properties of modified chitosan-treated wood. *Wood Material Science and Engineering (Print)* 1(2): 59-68
152. Tingaut P, Weigenand O, Mai C, Militz H, Sèbe G (2006) Chemical reaction of alkoxysilane molecules in wood modified with silanol groups. *HOLZFORSCHUNG* 60: 271-277
153. Xie Y, Krause A, Militz H, Mai C (2006) Coating performance of finishes on wood modified with an N-methylol compound. *PROG ORG COAT* 57: 291-300
154. Donath S, Mai C, Militz H (2005) Untersuchungen zur Eignung von Silanen als Holzbehandlungsmittel. *Schweizerische Zeitschrift für Forstwesen* 156: 411-413
155. Eikenes M, Alfredsen G, Christensen BE, Militz H, Solheim H (2005) Comparison of chitosans with different molecular weights as possible wood preservatives. *J WOOD SCI* 51(4): 387-394
156. Hapla F, Ohnesorge D (2005) Qualitätsorientierte Schnittholzausbeute in Abhängigkeit von Durchmesser und Rotkernanteil bei Buchenstammholz - Ein Modellansatz mit unterschiedlichen Einschnittarten. *Holztechnologie* 4: 5-9
157. Larnoy E, Eikenes M, Militz H (2005) Uptake of chitosan based impregnation solutions with varying viscosities in four different European wood species. *EUR J WOOD WOOD PROD* 63: 456-462

158. Militz H, Mai C (2005) Im (Holz-) Kern verändert. *Georgia Augusta* 4: 128-135
159. Ngueho-Yemele MC, Hapla F (2005) The effects of growth dynamics on wood quality and utilisation of teak and limba: A review of international research. *Forstarchiv: forstwissenschaftliche Fachzeitschrift* 76(2): 58-64
160. Tingaut P, Weigenand O, Militz H, De Jéso B, Sèbe G (2005) Functionalisation of wood by reaction with 3-isocyanatopropyltriethoxysilane: Grafting and hydrolysis of the triethoxysilane end groups. *HOLZFORSCHUNG* 59: 397-404
161. Tjeerdsma BF, Militz H (2005) Chemical changes in hydrothermal treated wood: FTIR analysis of combined hydrothermal and dry heat-treated wood. *EUR J WOOD WOOD PROD* 63: 102-111
162. Xie Y, Krause A, Mai C, Militz H, Richter K, Urban K, Evans PD (2005) Weathering of wood modified with the N-methylol compound 1,3-dimethylol-4,5-dihydroxyethyleneurea. *POLYM DEGRAD STABIL* 89: 189-199
163. Alfredsen G, Eikenes M, Militz H, Solheim H (2004) Screening of chitosan against wood-deteriorating fungi. *SCAND J FOREST RES* 5: 4-13
164. Donath S, Militz H, Mai C (2004) Wood modification with alkoxysilanes. *WOOD SCI TECHNOL* 38(7): 555-566
165. Hapla F, Militz H (2004) Colour measurements and gluability investigation on red heart beech wood (*Fagus sylvatica* L.). *WOOD RES-SLOVAKIA* 49(4): 1-12
166. Mai C, Militz H (2004) Modification of wood with silicon compounds. Inorganic silicon compounds and sol-gel systems: a review. *WOOD SCI TECHNOL* 37: 339-348
167. Mai C, Militz H (2004) Modification of wood with silicon compounds. Treatment systems based on organic silicon compounds - a review. *WOOD SCI TECHNOL* 37: 453-461
168. Mai C, Kües U, Militz H (2004) Biotechnology in the wood industry. *APPL MICROBIOL BIOT* 63(5): 477-494
169. Militz H, Krause A (2004) Tuning für Buche & Co. *Holz-Zentralblatt* 130: 46-49
170. Sint KM, Hapla F (2004) Investigation on physical and mechanical properties of two Myanmar lesser-used timber species (*Lagerstroemia tomentosa*, Presl. and *Holoptelea integrifolia*, Planch.). *Forstarchiv: forstwissenschaftliche Fachzeitschrift* 75(1): 20-27
171. Illner M, Militz H, Schmid J, Schwarz B, Stetter K (2003) Modifizierte Hölzer für den Einsatz im Fensterbau. *Holz-Zentralblatt* 129(47): 698
172. Machek L, Edlund ML, Sierra-Alvarez R, Militz H (2003) A non-destructive approach for assessing decay in preservative treated wood. *WOOD SCI TECHNOL* 37: 411-417
173. Militz H, Busseto D, Hapla F (2003) Investigation on natural durability and sorption properties of Italian Chestnut (*Castanea sativa* Mill.) from coppice stands. *EUR J WOOD WOOD PROD* 61(2): 133-141
174. Sander C, Beckers EPJ, Militz H, van Veenendaal W (2003) Analysis of acetylated wood by electron microscopy. *WOOD SCI TECHNOL* 37(1): 39-46
175. Van Acker J, Stevens M, Carey J, Sierra-Alvarez R, Militz H, Le Bayon I, Kleist G, Peek RD (2003) Biological durability of wood in relation to end-use. Part 1: Towards a European standard for laboratory testing of the biological durability of wood. *EUR J WOOD WOOD PROD* 61: 35-45
176. Hapla F, Steinfatt CO (2002) Kritische Analyse der EN 1316-1 bei Sortierung von Buchen-Starkholz im Vergleich zur HKS. *ALLG FORST JAGDZTG* 173(5): 86-94
177. Hapla F, v.d.Goltz H (2002) Einheimisches Douglasienholz positiv beurteilt. *Holz-Zentralblatt* 128(106): 1231
178. Hapla F, v.d.Goltz H (2002) Vielfältige Einsatzmöglichkeiten der Douglasie im Holzbau. *Holz-Zentralblatt* 128(107): 1239

179. Hapla F, Meggers L, Militz H, Mai C (2002) Investigation on the yield and quality of sliced veneer produced from beech trees (*Fagus sylvatica* L.) containing red heartwood. EUR J WOOD WOOD PROD 60(6): 440-442
180. Stuber B, Militz H, Weihs U, Krummheuer F (2002) Nomenklatur und Physiologie der fakultativen Kernbildung von Rotbuche (*Fagus sylvatica* L.). Forst und Holz 57(5): 129-133
181. Tjeerdsma BF, Stevens M, Militz H, van Acker J (2002) Effect of process conditions on moisture content and decay resistance of hydro-thermally treated wood. HOLZFORSCHUNG 54(5): 94-99
182. Tjeerdsma BF, Boonstra M, Pizzi A, Tekely P, Militz H (1998) Characterisation of thermally modified wood: molecular reasons for wood performance improvement. EUR J WOOD WOOD PROD 56: 149-153

Buchbeiträge

1. Biziks V, Bicke S, Militz H (2016) Decay resistance of beech wood and plywood treated with different type of phenol-formaldehyde (PF) resins. In: The International Research Group on Wood Protection (Hrsg.) 47th Annual meeting, Lissabon, Portugal. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-14
2. Bollmus S, Gellerich A, Militz H (2016) Variation in moisture content in field trials according to use class 3.2 conditions. In: The International Research Group on Wood Protection (Hrsg.) 47th Annual meeting, Lissabon, Portugal. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-11
3. Bongers F, Brischke C, van den Bulcke J, Gard W, de Windt I, Militz H (2016) Evaluation of field test data. In: The International Research Group on Wood Protection (Hrsg.) 47th Annual meeting, Lissabon, Portugal. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-20
4. Starck M, Gellerich A, Militz H (2016) Impregnation of railway sleepers – Pressure gradient and transversal penetration. In: The International Research Group on Wood Protection (Hrsg.) 47th Annual meeting, Lissabon, Portugal. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-11
5. Biziks V, Bicke S, Militz H (2015) Penetration of phenol formaldehyde (PF) resin into beech wood studied by light microscopy. In: The International Research Group on Wood Protection (Hrsg.) 46th Annual meeting, Viña del Mar, Chile. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-9
6. Bollmus S, Gellerich A, Militz H (2015) How does the test methodology influence the outcome of durability testing of thermally modified wood. In: The International Research Group on Wood Protection (Hrsg.) 46th Annual meeting, Viña del Mar, Chile. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-10
7. Bollmus S, Gellerich A, Militz H (2015) Some comments on durability testing of WPC according to EN 15534-1. In: The International Research Group on Wood Protection (Hrsg.) 46th Annual meeting, Viña del Mar, Chile. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-7
8. Bongers F, Kutnik M, Paulmier I, Alexander J, Militz H (2015) Termite and insect resistance of acetylated wood. In: The International Research Group on Wood Protection (Hrsg.) 46th Annual meeting, Viña del Mar, Chile. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-16
9. Krause KC, Müller M, Militz H, Krause A (2015) Converting Wood from Short Rotation Coppice and Low-Value Beech Wood into Thermoplastic Composites. In: Butler Manning D, Bemmann A, Bredemeier M, Lamersdorf N, Ammer C (Hrsg.) Bioenergy from Dendromass for the Sustainable Development of Rural Areas. Wiley-VCH, Weinheim, 483-496
10. Altgen M, Ala-Viikari J, Hukka A, Tetri T, Militz H (2014) Performance of water-borne coating systems on thermally modified wood. In: Lina Nunes, Dennis Jones,

- Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-8
11. Bastani A, Militz H, Rohumaa A (2014) Investigation on bonding properties of modified birch veneers using ABES machine. In: Andreja Kutnar, Miha Humar, Michael Burnard, Mojca Zlahtic, Dennis Jones (Hrsg.) Performance and maintenance of bio-based building materials influencing the life cycle and LCA. COST Action E27, 63-64
 12. Behr G, Gellerich A, Bollmus S, Militz H (2014) Determining the N-Fixation – a reliable method to verify the curing quality of wood modification with melamine resin? In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-5
 13. Behr G, Mahnert KC, Bollmus S, Militz H (2014) Improving dimensional stability of thermally treated wood by secondary modification – potential and limitations. In: The International Research Group on Wood Protection (Hrsg.) 45th Annual Meeting St George, Utah, USA. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-8
 14. Bicke S, Militz H (2014) Modification of beech veneers with low molecular weight phenol formaldehyde for the production of plywood: Comparison of the submersion and vacuum impregnation. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-7
 15. Gascón-Garrido P, Thévenon MF, Militz H, Mai C (2014) Termite resistance of wood modified with short- and long-chain siloxanes. In: The International Research Group on Wood Protection (Hrsg.) 45th Annual Meeting St George, Utah, USA. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-12
 16. Gobakken LR, Gellerich A, Høibø O, Militz H (2014) Wood surface protection by wood modification systems and their resistance to mould and blue stain fungi. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-8
 17. Hundhausen U, Mahnert KC, Gellerich A, Militz H (2014) CreoSub – New protection technology to substitute creosote in railway sleepers, timber bridges, and utility poles. In: The International Research Group on Wood Protection (Hrsg.) 45th Annual Meeting St George, Utah, USA. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-6
 18. Hünnekens B, Krause A, Avramidis G, Militz H, Viöl W (2014) Improvement of surface properties of wood-polymer composites (WPC) by atmospheric pressure plasma treatment for coating adhesion. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-4
 19. Klüppel A, Mai C, Militz H, Cragg S (2014) Performance of some wood modification treatments against marine borers. In: The International Research Group on Wood Protection (Hrsg.) 45th Annual Meeting St George, Utah, USA. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-10
 20. Lütke-meier B, Militz H (2014) Holzmodifizierung beeinflusst die Verklebung – aber wie? In: Swiss Wood Innovation Network (Hrsg.) Holzverbindungen mit Klebstoffen für die Bauanwendung. Tagungsband 46. Fortbildungskurs „Holzverbindungen mit Klebstoffen für die Bauanwendung“, 21./22.10.2014 in Weinfelden, 103-112
 21. Mahnert KC, Adamopoulos S, Koch G, Militz H (2014) UV-microspectrophotometry: A method to prove wood-modification with MMF? In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-7
 22. Militz H, Gellerich A (2014) Evaluation of fungal infestation, decay and evaluation methods in a simulated use class 3 situation (block test) after some years of exposure. In: Andreja Kutnar, Miha Humar, Michael Burnard, Mojca Zlahtic, Dennis Jones (Hrsg.) Performance of Bio-based building materials. COST Action E27, 69-70
 23. Moreira L, Lopes D, Mai C, Militz H (2014) Reinforcement of modified wood beams at 1:15 scale. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh

- European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-4
24. Peters F, Avramidis G, Bellmann M, Wolkenhauer A, Repenning K, Militz H, Viöl W (2014) Modification of chemical properties on wood surfaces using atmospheric pressure plasma. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-4
 25. Wascher R, Yuvchenko A, Loewenthal L, Avramidis G, Militz H, Viöl W (2014) Plasma treatment of heat treated beech veneers for plywood production. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-4
 26. Willems W, Altgen M, Militz H (2014) Comparison of thermal wood modification in high versus low water vapour pressure reactor systems. In: Lina Nunes, Dennis Jones, Callum Hill, Holger Militz (Hrsg.) The Seventh European Conference on Wood Modification. The Seventh European Conference on Wood Modification, 1-7
 27. Altgen M, Ala-Viikari J, Hukka A, Tetri T, Militz H (2013) Surface performance of thermally modified wood during weathering. In: Sergej Medved and Andreja Kutnar (Hrsg.) Characterization of modified wood in relation to wood bonding and coating performance. COST Action E27, 149-156
 28. Bastani A, Militz H (2013) Bondability of phenol formaldehyde modified beech wood glued with phenol resorcinol formaldehyde and polyvinyl acetate adhesives. In: Sergej Medved and Andreja Kutnar (Hrsg.) Characterization of modified wood in relation to wood bonding and coating performance. COST Action E27, 52-60
 29. Krause K, Müller M, Militz H, Krause A (2013) Efficient utilization of wood sources for Wood-Polymer Composites. In: Jutta Geldermann and Matthias Schumann (Hrsg.) First International Conference on Resource Efficiency in Interorganizational Networks – ResEff 2013. Universitätsverlag Göttingen/Universitätsdrucke, Göttingen, 94-105
 30. Militz H, Norton J (2013) Performance testing of DMDHEU-modified wood in Australia. In: The International Research Group on Wood Protection (Hrsg.) 44th Annual Meeting, Stockholm, Swede. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-17
 31. Schabacker A, Alfredsen G, Ross Gobakken L, Militz H, Flæte PO (2013) System treatments of *Pinus sylvestris* – Influence on moisture, decay and discoloration. In: The International Research Group on Wood Protection (Hrsg.) 44th Annual Meeting, Stockholm, Sweden. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-11
 32. Teuber L, Militz H, Krause A (2013) Characterisation of the wood component of WPC via dynamic image analysis. In: Jutta Geldermann and Matthias Schumann (Hrsg.) First International Conference on Resource Efficiency in Interorganizational Networks – ResEff 2013. Universitätsverlag Göttingen/Universitätsdrucke, Göttingen, 46-54
 33. Viöl W, Avramidis G, Militz H (2013) Plasma Treatment of Wood. In: Roger M. Rowell (Hrsg.) Handbook of Wood Chemistry and Wood Composites. CRC Press, Boca Raton, Florida, 627-657
 34. Willems W, Militz H (2013) The chemistry of wood degradation by Basidiomycetes studied in a van Krevelen diagram. In: The International Research Group on Wood Protection (Hrsg.) 44th Annual Meeting, Stockholm, Sweden. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-7
 35. Ahmed BM, Militz H, Ozarska B, Ali I, Kloeser L (2012) Preliminary laboratory bioassay to evaluate engineered Fibreboards against subterranean termites *C. acinaciformis* (Isoptera: Rhinotermitidae). In: The International Research Group on Wood Protection (Hrsg.) 43rd Annual Meeting Kuala Lumpur, Malaysia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-9
 36. Alfredsen G, Flæte PO, Militz H (2012) A survey of factors affecting decay resistance of wood modified with acetic anhydride. In: The International Research Group on Wood Protection (Hrsg.) 43rd Annual Meeting Kuala Lumpur, Malaysia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-15

37. Alfredsen G, Flæte PO, Militz H (2012) Decay Resistance of Modified Wood – A Review. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 109-118
38. Altgen M, Adamopoulos S, Ala-Viikari J, Hukka A, Tetri T, Militz H (2012) Factors Influencing the Crack Formation in Thermally Modified Wood. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 149-158
39. Bicke S, Mai C, Militz H (2012) Modification of Beech Veneers with Low Molecular Weight Phenol Formaldehyde for the Production of Plywood: Durability and Mechanical Properties. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 363-366
40. Bollmus S, Rangno N, Militz H, Gellerich A (2012) Analyses of premature failure of utility poles. In: The International Research Group on Wood Protection (Hrsg.) 43rd Annual Meeting Kuala Lumpur, Malaysia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-9
41. Gellerich A, Bollmus S, Militz H, Krause A (2012) Influence of Moisture Conditions on the Colonisation of Modified wood by Sapstaining Fungi during Outside Weathering. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 127-136
42. Gellerich A, Röhl K, Adamopoulos S, Militz H (2012) Evaluation of fungal infestation and decay in a simulated use class 3 situation (block test) after some years of exposure. In: The International Research Group on Wood Protection (Hrsg.) 43rd Annual Meeting Kuala Lumpur, Malaysia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-10
43. Kielmann BC, Militz H, Adamopoulos S (2012) Combined N-Methylol Melamine-Colouring Agent Modification of Hardwoods to Improve their Performance under Use Class 3 Situations. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 437-446
44. Klüppel A, Militz H, Mai C (2012) Effect of Curing Conditions on Chemical Distribution and Indentation Properties of Wood Treated with Thermosetting Resins. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 333-338
45. Klüppel A, Militz H, Mai C (2012) Resistance of Modified Wood to the Common Shipworm (*Teredo navalis*) as Assessed by Marine Trial. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 239-242
46. Lopes DB, Mai C, Militz H (2012) Mechanical Properties and Creep Performances of Chemical Modified Portuguese Wood. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 55-62
47. Mahnert KC, Militz H (2012) Comparing Properties of Heat Treated Timber from Different Commercial Modification Processes. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 293-296
48. Mascheck D, Goodell B, Militz H, Lessard M, Jellison J (2012) Bordered Pit Imaging. In: The International Research Group on Wood Protection (Hrsg.) 43rd Annual Meeting Kuala Lumpur, Malaysia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-2

49. Trinh HM, Militz H, Mai C (2012) Bonding Quality of Plywood Produced from Beech Veneers Treated with N-methylol Melamine Compounds and Alkyl Ketene Dimer. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 343-348
50. Willems W, Mai C, Militz H (2012) Thermal Wood Modification Chemistry Analysed using a van Krevelen Representation. In: Jones D, Militz H, Petrič M, Pohleven F, Humar M, Pavlič M (Hrsg.) The Sixth European Conference on Wood Modification. The Sixth European Conference on Wood Modification, Ljubljana, Slovenia, 497-504
51. Militz H, Altgen M (2011) Development of methodology to predict wood properties of thermally modified wood. In: Parviz Navi and Andreas Roth (Hrsg.) Mechano-chemical transformation of wood during THM processing. Berne University of Applied Sciences, Biel, Schweiz, 17-18
52. Militz H, Altgen M (2011) Development of methodology to predict wood properties of thermally modified wood. In: Lennart Salmen (Hrsg.) Novel Materials from wood or cellulose Proceedings of the 2011 IAWS annual meeting. Innventia AB, Stockholm, Schweden, 70-71
53. Teischinger A, Barbu MC, Dunky M, Harper D, Jungmeier G, Militz H, Musso M, Petutschnigg A, Pizzi A, Wieland S, Young TM (2011) Processing Technologies for the Forest and Biobased Products Industries. In: Teischinger A; Barbu, MC; Dunky, M; Harper, D; Jungmeier, G; Militz, H; Musso, M; Petutschnigg, A; Pizzi, A; Wieland, S; Young, TM (Hrsg.) Processing Technologies for the Forest and Biobased Products Industries. University of Applied Sciences, Salzburg, Österreich, 1-219
54. Willems W, Militz H (2011) Applicability of electron paramagnetic resonance to characterize hygrothermally modified wood. In: Parviz Navi and Andreas Roth (Hrsg.) Mechano-chemical transformation of wood during THM processing. Berne University of Applied Sciences, Biel, Schweiz, 49
55. Andersons B, Andersone I, Biziks V, Irbe I, Chirkova J, Sansonetti E, Grinins J, Militz H (2010) Hydrothermal modification for upgrading the durability properties of soft deciduous wood. In: International Research Group on Wood Protection (Hrsg.) IRG 41 Annual Meeting, Biarritz, France. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-12
56. Avramidis G, Tebbe B, Nothnick E, Militz H, Viöl W, Wolkenhauer A (2010) Wood Veneer Modification by Atmospheric Pressure Plasma Treatment for Improved Absorption Characteristics. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 365-372
57. Barbu MC, Dunky M, Harper D, Jungmeier G, Militz H, Musso M, Petutschnigg A, Pizzi A, Wieland S, Young TM (2010) Processing Technologies for the Forest and Biobased Product Industries. In: Barbu MC, Dunky M, Harper D, Jungmeier G, Militz H, Musso M, Petutschnigg A, Pizzi A, Wieland S, Young TM (Hrsg.) Processing Technologies for the Forest and Biobased Product Industries. LIT Verlag, Münster, 1-232
58. Biziks V, Andersons B, Andersone B, Grinins J, Irbe I, Kurnosova N, Militz H (2010) Hydrothermal Modification of Soft Deciduous Wood: Bending Strength Properties. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 99-106
59. Bollmus S, Rademacher P, Krause A, Militz H (2010) Material Evaluation and Product Performances of Beech Wood Modification with 1,3-dimethylol-4,5-dihydroxyethylenurea (DMDHEU). In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 15-22
60. Gelbrich J, Kretschmar EI, Lamersdorf N, Militz H (2010) Simulation and Investigation of Wood Degradation by Erosion Bacteria in Laboratory Experiments. In: International Research Group on Wood Protection (Hrsg.) IRG 41 Annual Meeting, Biarritz, France. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-12

61. Goodell B, Howe J, Militz H, Rodriguez J, Daniel G (2010) Sustainable Biomaterials and Bioenergy - Examining how we think about Forest Products, from Education to Global Policy. In: Jerrold E. Winandy and Victoria L. Herian (Hrsg.) Proceedings of the International Convention of Society of Wood Science and Technology and United Nations Economic Commission for Europe Timber Committee. Society of Wood Science and Technology, Geneva, Switzerland, 1-7
62. Grüneberg T, Krause A, Militz H, Mai C (2010) Use of Chemically Modified Wood for the Production of Wood Polymer Composites (WPC) with an Optimized Property Profile. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 323-330
63. Hill CAS, Militz H, Andersons B (2010) The Fifth European Conference on Wood Modification ECWM5 Proceedings. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 1-398
64. Kloeser L, Wagner C, Militz H, Mai C (2010) Chemical Modification of TMP for High Performance Fibreboards. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 191-197
65. Klüppel A, Militz H, Cragg S, Mai C (2010) Resistance of Modified Wood to Marine Borers. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 389-396
66. Krause A, Pfeffer A, Militz H (2010) The use of non-destructive methods for the evaluation of fungal decay in field testing by dynamic vibration. In: COST Action E53 (Hrsg.) The future of quality control for wood & wood products. COST Action E27, 1-9
67. Lopes DB, Militz H, Mai C (2010) Pilodyn Testing of Thermally and Chemically Modified Wood. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 255-258
68. Mai C, Verma P, Xie Y, Dyckmans J, Militz H (2010) Protection mechanisms of modified wood against decay by white and brown rot fungi. In: International Research Group on Wood Protection (Hrsg.) IRG 41 Annual Meeting, Biarritz, France. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-12
69. Mai C, Xie Y, Militz H (2010) Verhalten von Beschichtungen auf chemisch modifiziertem Holz. In: SAH Schweizerische Arbeitsgemeinschaft für Holzforschung, Zürich (Hrsg.) Holzoberflächen in der Fassadengestaltung. Truninger Druck AG, Zürich, 143-152
70. Mai C, Xie Y, Xiao Z, Evans PD, Militz H (2010) The Use of Micro-Tensile Testing to Assess Weathering Decay and Oxidative Degradation of Wooden Items. In: International Research Group on Wood Protection (Hrsg.) IRG 41 Annual Meeting, Biarritz, France. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-16
71. Militz H (2010) Modifiziertes Holz. In: Holzforschung Austria (Hrsg.) Wiener Holzschutztage 2010. Holzforschung Austria, Wien, 56-60
72. Scholz G, Krause A, Militz H (2010) Weathering Results of Wax Modified Wood after Two Years Outside Exposure. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 239-242
73. Willems W, Tausch A, Militz H (2010) Direct estimation of the durability of high-pressure steam modified wood by ESR-spectroscopy. In: International Research Group on Wood Protection (Hrsg.) IRG 41 Annual Meeting, Biarritz, France. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-9
74. Willems W, Tausch A, Militz H (2010) Evidence for an Antioxidant Mechanism in the Durability of High-pressure Steam Modified Wood. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 127-134

75. Xiao Z, Xie Y, Militz H, Mai C (2010) The Durability and Weathering Performance of Wood Treated with Glutaraldehyde. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 373-380
76. Xie Y, Hill CAS, Xiao Z, Militz H, Mai C (2010) Effect of Glutaraldehyde Modification on the Dynamic Water Vapour Sorption Behaviour of Scots Pine Wood. In: Hill CAS, Militz H, Andersons B (Hrsg.) The Fifth European Conference on Wood Modification ECWM5 Proceedings. 5th European Conference on Wood Modification, Riga, Lettland, 81-88
77. Avramidis G, Wolkenhauer A, Zhen B, Militz H, Viöl W (2009) Water-Repellent Coatings on Wood Surfaces Generated by a Dielectric Barrier Discharge Plasma Jet at Atmospheric Pressure. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 269-275
78. Dieste A, Krause A, Bollmus S, Kloeser L, Militz H (2009) Beech Plywood Modified with DMDHEU: Anti-Swelling Efficiency, Mechanical Properties, Gluing Ability and Protection Against Weathering Discoloration. In: Hughes M, Kotilahti T, Rohumaa A (Hrsg.) Proceedings of the Fourth International Symposium on Veneer Processing and Products. Proceedings of the Fourth International Symposium on Veneer Processing and Products, Espoo, Finland, 239-246
79. Dieste A, Krause A, Mai C, Militz H (2009) The Determination of EMC and its Effect on the Analysis of Moisture Sorption in Wood Modified with DMDHEU. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 85-91
80. Englund F, Hill CAS, Militz H, Segerholm BK (2009) The Fourth European Conference on Wood Modification. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 1-584
81. Friese F, Larnøy E, Alfredsen G, Pfeffer A, Militz H (2009) Comparison between different decay assessment methods. In: Andreas Bergstedt (Hrsg.) Nordic-Baltic Network in Wood Material Science and Engineering (WSE). University of Copenhagen, Copenhagen, 85-91
82. Ghosh SC, Militz H, Mai C (2009) Natural Weathering of Scots Pine (*Pinus sylvestris* L.) Wood Modified by Functionalized Commercial Silicone Emulsions. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 253-260
83. Grüneberg T, Krause A, Mai C, Militz H (2009) Improvement of Interfacial Bonding of WPC Based on Various Maleic Acid Anhydride Pre-treatments. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 235-238
84. Kloeser L, Trinh HM, Hauptmann M, Militz H, Mai C (2009) Chemical Modification of Veneers to produce Plywood for Outdoor Application. In: Hughes M, Kotilahti T, Rohumaa A (Hrsg.) Proceedings of the Fourth International Symposium on Veneer Processing and Products. Proceedings of the Fourth International Symposium on Veneer Processing and Products, Espoo, Finland, 231-237
85. Lehringer C, Arnold M, Richter K, Schubert M, Schwarze F, Militz H: (2009) Bioincised Wood as Substrate for Surface Modifications. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 197-200
86. Mai C, Verma P, Xie Y, Dyckmans J, Militz H (2009) Mode of Action of DMDHEU Treatment against Wood Decay by White and Brown Rot Fungi. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 45-52
87. Puttmann S, Krause A, Pilgård A, Treu A, Militz H (2009) Furfurylated Wood for Wooden Window Constructions. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.)

- The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 569-576
88. Scholz G, Krause A, Bäucker E, Militz H (2009) Wax deposits after wood impregnation. In: Hofstetter K (Hrsg.) Experimental and computational methods in wood micromechanics. COST Action E27, 63
 89. Scholz G, Krause A, Militz H (2009) Capillary Water Uptake and Mechanical Properties of Wax Soaked Scots Pine. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 209-212
 90. Treu A, Larnøy E, Militz H (2009) Leaching of new environmental friendly wood protection agents. In: Andreas Bergstedt (Hrsg.) Nordic-Baltic Network in Wood Material Science and Engineering (WSE). University of Copenhagen, Copenhagen, 33-40
 91. Trinh HM, Militz H, Mai C (2009) Performance Testing of Plywood from Beech Veneers Treated with Melamine-based Compounds. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 429-432
 92. Xiao Z, Xie Y, Militz H, Mai C (2009) Modification of Wood with Glutaraldehyde. In: Englund F, Hill CAS, Militz H, Segerholm BK (Hrsg.) The Fourth European Conference on Wood Modification. 4th European Conference on Wood Modification, Stockholm, 411-418
 93. Dieste A, Pfeffer A, Bollmus S, Militz H (2008) Resistance against basidiomycetes of 1,3-dimethylol-4,5-dihydroxy ethylene urea (DMDHEU)-modified plywood of *Pinus sylvestris*. In: International Research Group on Wood Protection (Hrsg.) 08-05-25/29, Istanbul, Turkey. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-8
 94. Hapla F, Militz H (2008) Verwertung und Verwendung von Buchenholz. In: Nordwestdeutsche Forstliche Versuchsanstalt (Hrsg.) Ergebnisse angewandter Forschung zur Buche. Universitätsverlag Göttingen/Universitätsdrucke, Göttingen, 311-325
 95. Hapla F, Militz H (2008) Wood Quality and Product Properties of Grand Fir Timber. In: Joris Van Acker and Marco Fioravanti (Hrsg.) A EUROPEAN WOOD PROCESSING STRATEGY: FUTURE RESOURCES MATCHING PRODUCTS AND INNOVATIONS. COST Action E27, 101-104
 96. Krause A, Wepner F, Xie Y, Militz H (2008) Wood Protection with Dimethyloldihydroxy-Ethyleneurea and its Derivatives. In: Schultz T, Militz H, Freeman MH, Goodell B, Nicholas DD (Hrsg.) Development of Commercial Wood Preservatives Efficacy, Environmental, and Health Issues. Oxford University Press, 356-371
 97. Militz H (2008) Processes and Properties of Thermally Modified Wood Manufactured in Europe. In: Schultz T, Militz H, Freeman MH, Goodell B, Nicholas DD (Hrsg.) Development of Commercial Wood Preservatives Efficacy, Environmental, and Health Issues. Oxford University Press, 372-388
 98. Militz H, Mai C (2008) Holzschutz. In: Wagenführ A, Scholz F (Hrsg.) Taschenbuch der Holztechnik. Hanser Verlag, Göttingen, 457-485
 99. Militz H, Mai C (2008) Sonstige Vergütungsverfahren. In: Wagenführ A, Scholz F (Hrsg.) Taschenbuch der Holztechnik. Hanser Verlag, Göttingen, 485-500
 100. Militz H, Hapla F, Rademacher P (2008) Input Wood Processing Strategy - Solid Wood Products. In: Joris van Acker (Hrsg.) A European Wood Processing Strategy. COST Action E27, 106-115
 101. Militz H, Mai C, Ghosh S (2008) Combined effect of hydrophobation and durability improvement of wood treated with silicone emulsions. In: Rolf-Dieter Peek and Joris van Acker (Hrsg.) Sustainability through New Technologies for Enhanced Wood Durability. COST Action E27, 31-39
 102. Nicholas DD, Militz H (2008) Concepts in the Development of New Accelerated Test Methods for Wood Decay. In: Schultz T, Militz H, Freeman MH, Goodell B, Nicholas DD (Hrsg.) Development of Commercial Wood Preservatives Efficacy, Environmental, and Health Issues. Oxford University Press, 142-151
 103. Pfeffer A, Krause A, Militz H (2008) Testing modified wood and natural durability in use class 3 with the block test approach. In: Rolf-Dieter Peek and Joris van

- Acker (Hrsg.) Sustainability through New Technologies for Enhanced Wood Durability. COST Action E27, 77-84
104. Schultz T, Militz H, Freeman MH, Goodell B, Nicholas DD (2008) Development of Commercial Wood Preservatives: Efficacy, Environmental, and Health Issues. In: Schultz T, Militz H, Freeman MH, Goodell B, Nicholas DD (Hrsg.) Development of Commercial Wood Preservatives: Efficacy, Environmental, and Health Issues. Oxford University Press, 1-488
 105. Danzig J, Jelen E, Deerberg G, Kareth S, Weidner E, Mai C, Ghosh SC, Militz H (2007) Modifizierung einheimischer Hölzer durch Imprägnierung mit überkritischem Kohlendioxid als Lösungsmittel. In: Fachagentur Nachwachsende Rohstoffe e.V. (Hrsg.) Schriftenreihe Nachwachsende Rohstoffe. Th. Mann, 30, 259-260
 106. Dieste A, Krause A, Bollmus S, Militz H (2007) Performance testing of plywood produced with DMDHEU-modified veneers of *Fagus sp.*, *Betula sp.*, and *Picea sp.* In: Morwenna Spear (Hrsg.) Proceedings of the International Panel Products Symposium. Bangor University, Cardiff, Wales, UK, 71-80
 107. Grüneberg T, Mai C, Militz H (2007) Einführung in die Rezepturauswahl - Eigenschaften der Inhaltsstoffe von WPC. In: Nova-Institut (Hrsg.) Zweiter Deutscher WPC-Kongress. nova-Institut für politische und ökologische Innovation, Hürth, 1-12
 108. Hill CAS, Jones D, Militz H, Ormondroyd GA (2007) The Third European Conference on Wood Modification. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Eds) (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 1-446
 109. Jelen E, Danzig J, Deerberg G, Kareth S, Weidner E, Mai C, Ghosh S, Militz H (2007) Modification of Domestic Timbers by Impregnation Using Supercritical Carbon Dioxide - Preliminary Results. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 291-294
 110. Kües U, Mai C, Militz H (2007) Biological Wood Protection against Decay, Microbial Staining, Fungal Moulding and Insect Pests. In: Kües U (Hrsg.) Wood Production, Wood Technology, and Biotechnical Impacts. Universität Göttingen, 273-294
 111. Kurt R, Mai C, Krause A, Militz H (2007) Hydroxymethylated resorcinol (HMR) priming agent for improved bondability of silicone modified wood. Bonding of Modified Wood. In: COST (Hrsg.) Proceedings of the 5th COST E34 International Workshop. COST Action E27, 71-76
 112. Mai C, Militz H (2007) Chemical Wood Protection. In: Kües U (Hrsg.) Wood Production, Wood Technology, and Biotechnological Impacts. Universität Göttingen, 259-271
 113. Mai C, Weigenand O, Ghosh S, Militz H (2007) Effects of Wood Treatment with Amino-silicone Emulsions on Different Material Properties. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 105-114
 114. Mai C, Xie Y, Xiao Z, Bollmus S, Vetter G, Krause A, Militz H (2007) Influence of the Modification with Different Aldehyde-based Agents on the Tensile Strength of Wood. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 49-56
 115. Nguyen HM, Militz H, Mai C (2007) Protection of wood for above ground application through modification with a fatty acid modified N-methylol/paraffin formulation. In: International Research Group on Wood Protection (Hrsg.) Conference: 07-05-20/24 Jackson, USA. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-13
 116. Nguyen MH, Militz H, Mai C (2007) Weathering Properties of Wood Modified with Hydrophobation Agents. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 205-208

117. Rademacher P, Bollmus S, Militz H, Krause A (2007) Improvement of wood properties by wood modification. In: Laszlo Bejo (Hrsg.) The Beauty of Hardwood. University of West Hungary, Sopron, Ungarn, 124-132
118. Schirp A, Stoll B, Mai C, Richter E, Militz H (2007) Chemical modification of wood particles for the production of WPCs using N-Methylol compounds and paraffin. In: Nicole M. Stark (Hrsg.) 9th International Conference on Wood & Biofiber plastic composites. Forest Products Society, Madison Wisconsin USA, 243-252
119. Tingaut P, Weigenand O, Mai C, Militz H, Sèbe G (2007) Fixation of Methyltrimethoxysilane in Wood Pre-modified with an Alkoxysilane Coupling Agent. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 143-146
120. Treu A, Larnøy E, Militz H (2007) Microwave curing of furfuryl alcohol modified wood. In: International Research Group on Wood Protection (Hrsg.) Conference: 07-05-20/24 Jackson, USA. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-15
121. Wolkenhauer A, Avramidis G, Militz H, Viöl W (2007) Wood Modification by Atmospheric Pressure Plasma Treatment. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 271-274
122. Xie Y, Krause A, Militz H, Mai C (2007) Weathering and Coating Properties of Chemical Modified Wood. In: Hill CAS, Jones D, Militz H, Ormondroyd GA (Hrsg.) The Third European Conference on Wood Modification. The Third European Conference on Wood Modification, Bangor, UK, 213-216
123. Bartholme M, Wepner F, Krause A, Militz H, Kharazipour A (2006) Novel particleboards made of cross-linked chips. In: Bledzki AK, Sperber VE (Hrsg.) 6th Global Wood and Natural Fibre Composites Symposium. Institut für Werkstofftechnik - Kunststoff- und Recyclingtechnik, Kassel, Germany, 1-12
124. Larnøy E, Alfredsen G, Militz H (2006) Moisture correction for ultrasonic MOE measurements above fibre saturation point in Scots pine sapwood. In: International Research Group on Wood Protection (Hrsg.) Conference: 06-06-18/22 Tromsø, Norway. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-9
125. Schaffert S, Nunes L, Krause A, Militz H (2006) Resistance of DMDHEU-treated pine wood against termite and fungi attack in field testing according to EN 252. Results after 30 months. In: International Research Group on Wood Protection (Hrsg.) Conference: 06-06-18/22 Tromsø, Norway. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-11
126. Wepner F, Bartholme M, Militz H (2006) Formstabile und dauerhafte Holzwerkstoffe durch Holzmodifizierung. In: Institut für Holzbiologie und Holztechnologie (Hrsg.) 3. Fachtagung Umweltschutz in der Holzwerkstoffindustrie. Cuvillier Verlag, Göttingen, 27-33
127. Chirkova J, Andersons B, Andersone I, Militz H (2005) Water Sorption Properties of Thermo-modified Wood. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 65-69
128. Eikenes M, Alfredsen G, Larnøy E, Militz H, Kreber B, Chittenden C (2005) Chitosan for wood protection - state of the art. In: International Research Group on Wood Protection (Hrsg.) Conference: 05-04-24/28 Bangalore, India. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-18
129. Junga U, Militz H (2005) Particularities in Agar Block Tests of some Modified Woods caused by Different Protection and Decay Principles. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 354-362
130. Krause A, Militz H (2005) Properties of Modified Wood Coated with Different Stains. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 289-294

131. Larnøy E, Dantz S, Eikenes M, Militz H (2005) Screening of Properties of Modified Chitosan-treated Wood. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 263-269
132. Larnøy E, Eikenes M, Militz H (2005) Solution stability and mechanical properties of Chitosan treated pine. In: International Research Group on Wood Protection (Hrsg.) Conference: 05-04-24/28 Bangalore, India. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-15
133. Mai C, Donath S, Weigenand O, Militz H (2005) Aspects of Wood Modification with Silicon Compounds: Material Properties and Process Development. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 222-231
134. Militz H, Hill C (Eds) (2005) Modification: Processes, Properties and Commercialisation. In: Militz H, Hill C (Hrsg.) Wood Modification: Processes, Properties and Commercialisation. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 1-403
135. Minh NH, Mai C, Hung NM, Khanh N, Militz H (2005) Durability Properties of Rubber and Paulownia Wood Treated by Hydrophobation Agents. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 309-313
136. Schaffert S, Krause A, Militz H (2005) Upscaling and Process Development for Wood Modification with N-methylol Compounds using Superheated Steam. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 161-168
137. Tingaut P, Weigenand O, Militz H, De Jéso B, Sèbe G (2005) Chemical Grafting of Reaktive Triethoxysilane End Groups in Maritime Pine Wood. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 215-221
138. Verma P, Mai C, Krause A, Militz H (2005) Studies on the resistance of DMDHEU treated wood against white-rot and brown-rot fungi. In: International Research Group on Wood Protection (Hrsg.) Conference: 05-04-24/28 Bangalore, India. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-15
139. Weigenand O, Mai C, Babiak M, Militz H (2005) Comparative Investigation on some Physical Properties of Modified Wood. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 295-297
140. Wepner F, Militz H (2005) Fungal Resistance, Dimensional Stability and Accelerated Weathering Performance of N-methylol Treated Veneers of *Fagus sylvatica*. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 169-177
141. Xie Y, Krause A, Mai C, Militz H, Richter K, Urban K, Evans PD (2005) Artificial Weathering of Wood Modified with the Cyclic N-Methylol Compounds. In: Militz H, Hill C (Hrsg.) Wood Modification. Wood Modification: Processes, Properties and Commercialisation, Göttingen, 363-366
142. Alfredsen G, Flæte PO, Temiz A, Eikenes M, Militz H (2004) Screening of the efficacy of tall oils against wood decaying fungi. In: International Research Group on Wood Protection (Hrsg.) Conference: 04-06-06/10 Ljubljana, Slovenia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-10
143. Krause A, Hof C, Militz H (2004) Novel wood modification processes for window and cladding products. In: International Research Group on Wood Protection (Hrsg.) Conference: 04-06-06/10 Ljubljana, Slovenia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-20
144. Kürsten E, Militz H (2004) Possibilities for the use of the different types of wood residues as raw material. In: Gallis CT (Hrsg.) Management of recovered wood. Recycling Bioenergy. University Studio Press, Thessaloniki, Thessaloniki, Greece, 190-203

145. Machek L, Militz H (2004) The Influence of the location of a wood defect on the modulus of elasticity determination in wood durability testing. In: International Research Group on Wood Protection (Hrsg.) Conference: 04-06-06/10 Ljubljana, Slovenia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-12
146. Militz H, Krause A, Hof C (2004) Modified wood for windows and cladding products. In: Ceccotti A, van de Kuilen JWG (Hrsg.) International Symposium on Advanced Timber and Timber-Composite Elements for Buildings (COST E29). CNR-Ivalsa San Michele all Adige, Italy, San Michele all Adige, Italy, 141-150
147. Schulte Y, Donath S, Krause A, Militz H (2004) Evaluation of outdoor weathering performance of modified wood. In: International Research Group on Wood Protection (Hrsg.) Conference: 04-06-06/10 Ljubljana, Slovenia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-13
148. Treu A, Lückers J, Militz H (2004) Screening of modified linseed oils on their applicability in wood protection. In: International Research Group on Wood Protection (Hrsg.) Conference: 04-06-06/10 Ljubljana, Slovenia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-17
149. Krause A, Jones D, van der Zee M, Militz H (2003) Interlace treatment - wood modification with N-methylol compounds. In: Van Acker J, Hill CAS (Hrsg.) The First European Conference on Wood Modification. The first European Conference on Wood Modification, Ghent / Belgium, 317-327
150. Mai C, Donath S, Militz H (2003) Modification of wood with silicon compounds. In: Van Acker J, Hill CAS (Hrsg.) The First European Conference on Wood Modification. The first European Conference on Wood Modification, Ghent / Belgium, 239-251
151. Militz H, Son DW, Gómez-Hernández L, Sierra-Alvarez R (2003) Effect of fungal degradation on the chemical composition of acetylated beech wood. In: International Research Group on Wood Protection (Hrsg.) Conference: 03-05-18/23 Brisbane, Australia. The International Research Group on Wood Protection IRG/WP, Stockholm, 1-15
152. Mohebbi B, Mai C, Militz H (2003) Soft rot decay in acetylated wood: Microcalorimetry and ergosterol assay in decayed wood. In: Van Acker J, Hill CAS (Hrsg.) The First European Conference on Wood Modification. The first European Conference on Wood Modification, Ghent / Belgium, 197-202
153. Treu A, Habicht J, Klauke R, Militz H (2003) Improvement of wood properties by a combined impregnation process - the Royal process. In: Van Acker J, Hill CAS (Hrsg.) The First European Conference on Wood Modification. The first European Conference on Wood Modification, Ghent / Belgium, 3-13

Beitrag im Tagungsband

1. Altgen M, Militz H (2015) Effect of Temperature and Steam Pressure During the Thermal Modification Process. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 87-88
2. Avramidis G, Wascher R, Militz H, Viöl W (2015) Impact of Air-Plasma Treatment at Atmospheric Pressure on Wood and Wood Extractives. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 80-81
3. Bastani A, Militz H, Adamopoulos S (2015) Effect of Wood Modification on Water Related Properties and Penetration of adhesives into Scots Pine and Beech. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 133-134
4. Behr G, Gellerich A, Bollmus S, Militz H (2015) Different Methods of Nitrogen Analysis and their Suitability to Control the Curing Quality of Wood Modification

- with Melamine Resin. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 141-142
5. Bicke S, Militz H (2015) Weathering Stability of PF-treated Veneer Products from Beech Wood. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 101
 6. Biziks V, Bicke S, Militz H (2015) Effect of Phenol-Formaldehyde (PF) Resins Oligomer Size to the Dimensional Stability of Treated Beech Wood. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 129-130
 7. Biziks V, van den Bulcke J, Grīniņš J, Militz H, Andersons B, Andersone I, Dhaene J, van Acker J (2015) Study on the Microstructural Changes of Thermo-Hydro Treated Wood Using X-ray Computed Tomography. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 106-107
 8. Bollmus S, Bongers F, Gellerich A, Lankveld C, Alexander J, Militz H (2015) Acetylation of German Hardwoods. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 75
 9. Bongers F, Bredesen R, Lehringer C, Lütke-meier B, Lankveld C, Alexander J, Militz H (2015) Bonding of Acetylated Wood. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 82
 10. Lütke-meier B, Konnerth J, Militz H (2015) Gluing Melamine Treated Wood – Apparent and Actual Bonding Performance. In: Hughes M, Rautkari L, Uimonen T, Militz H, Junge B (Hrsg.) The Eighth European Conference on Wood Modification. Book of Abstracts. The Eighth European Conference on Wood Modification, S. 119
 11. Marutzky R, Militz H (2014) Aus Forschung und Praxis. In: Rainer Marutzky und Holger Militz (Hrsg.) Deutsche Holzschutztagung - Aus Forschung und Praxis. Deutsche Holzschutztagung, S. 1-202
 12. Militz H, Viöl W, Avramidis G, Hünnekens B, Gascón-Garrido P, Wallenhorst L (2014) Plasmabehandlung zur Verbesserung der Oberflächeneigenschaften von Holz und Holzwerkstoffen. In: Rainer Marutzky und Holger Militz (Hrsg.) Aus Forschung und Praxis. Deutsche Holzschutztagung, S. 77-85
 13. Schlotzhauer P, Emmerich L, Militz M, Bollmus S (2014) Machine grain angle determination on six European hardwoods. In: Róbert Németh & Alfred Teischinger & Uwe Schmitt (Hrsg.) Eco-efficient Resource Wood with special focus on hardwoods. Proceedings of the IAWS Plenary Meeting 2014 - Sopron (Hungary) – Vienna (Austria), Sopron & Vienna, 2014 15-18th September, S. 45-46
 14. Mahnert KC, Militz H (2013) Wood modification with MMF resins – effect of solution components against basidiomycetes. In: Brischke C, Meyer L (Hrsg.) Northern European Network for Wood Science and Engineering (WSE). Proceedings of the Northern European Network for Wood Science and Engineering (WSE), S. 38-43
 15. Militz H, Viöl W, Avramidis G (2013) Plasma treatment to improve wood surface properties. In: Brischke C, Meyer L (Hrsg.) Northern European Network for Wood Science and Engineering (WSE). Proceedings of the Northern European Network for Wood Science and Engineering (WSE), S. 31-37
 16. Altgen M, Militz H (2012) Schnellverfahren zur Qualitätsbestimmung von TMT mittels ESR- und NIR-Spektroskopie. In: Prof. Dr. Holger Militz (Hrsg.) Deutsche Holzschutztagung – Trends und Chancen. Deutsche Holzschutztagung, S. 130-140
 17. Gellerich A, Bollmus S, Militz H (2012) Untersuchungen zum Befallsdruck an Freileitungs-Holzmasten – Weiterführende Ergebnisse. In: Prof. Dr. Holger Militz

- (Hrsg.) Deutsche Holzschutztagung – Trends und Chancen. Deutsche Holzschutztagung, S. 74-82
18. Klüppel A, Cragg S, Liebezeit G, Müller J, Militz H, Mai C (2012) Dauerhaftigkeit von modifiziertem Holz im Meerwasser. In: Prof. Dr. Holger Militz (Hrsg.) Deutsche Holzschutztagung – Trends und Chancen. Deutsche Holzschutztagung, S. 52-62
 19. Bollmus S, Pfeffer A, Militz M (2010) Klassifizierung der Dauerhaftigkeit von modifiziertem Holz nach verschiedenen Normprüfungen. In: Burckhardt-Institut, Abteilung Holzbiologie und Holzprodukte (Hrsg.) Neue Normen - neue Erkenntnisse. Deutsche Holzschutztagung, S. 76-83
 20. Gelbrich J, Kretschmar E, Lamersdorf N, Militz H (2010) Simulation and investigation of wood degradation by erosion bacteria in laboratory experiments. In: IRG (Hrsg.). Proceedings of the 41st Annual Meeting, Biarritz, France, 3 - 13 May 2010, S.
 21. Pfeffer A, Militz M (2010) Untersuchungen zum Befallsdruck an Freiland-Holzmasten. In: Burckhardt-Institut, Abteilung Holzbiologie und Holzprodukte (Hrsg.) Neue Normen - neue Erkenntnisse. Deutsche Holzschutztagung, S. 93-100
 22. Rademacher P, Bollmus S, Puttmann S, Dieste A, Krause A, Militz M (2010) Innovative Produkte aus vernetztem Buchenholz - Stand der Leitproduktherstellung. In: Burckhardt-Institut, Abteilung Holzbiologie und Holzprodukte (Hrsg.) Neue Normen - neue Erkenntnisse. Deutsche Holzschutztagung, S. 101-115
 23. Mai C, Nguyen MH, Donath S, Weigenand O, Militz H (2007) Neuartige Systeme zur Hydrophobierung von Holz in der Außenanwendung. In: Deutsche Gesellschaft für Holzforschung (Hrsg.) Wege zum geschützten Holz im modernen Holzbau. Deutsche Holzschutztagung, S. 73-85
 24. Militz H (2006) Aspekte des Holzschutzes bei der Industrie und im Wohnungsbau Neuartige Verfahren der Holzmodifizierung. In: FHH - Fachverband für Holzschutz und Holzbau Sachsen-Anhalt e.V. (Hrsg.) Holz am Bau - Schutz für die Zukunft. Fachtagung, S.
 25. Militz H, Krause A (2006) Vergütung von Laubholz. In: (Hrsg.). Laubholzkongress, Hohenheim, 09.03.2006, S.
 26. Rademacher P, Militz H, Krause A, Bollmus S (2006) Innovative Produkte aus modifiziertem Buchenholz. In: Röhle H, Bonn S (Hrsg.) Ökosystem Wald Rohstoff Holz Prinzip Nachhaltigkeit. Forstwissenschaftliche Tagung 2006, Dresden / Tharandt, 20.-22. September 2006, S. 92
 27. Wepner F, Krause A, Militz H (2006) Weathering Resistance of N-methylol-treated Plywood Panels. In: Chunping Dai (Hrsg.) Proceedings of the Second International Symposium on Veneer Processing and Products. Fachtagung, S. 305-314
 28. Xie Y, Krause A, Militz H, Mai C (2006) Effect on coating performance of chemical modification of wood substrates with cyclic N-Methylol compounds. In: European Coatings Conference (Hrsg.) Parquet Coatings IV. Fachtagung, S. 3-11
 29. Hapla F, Ohnesorge D (2005) Modelling of the sawn timber yield of beech logs with regard to their dimension and red heartwood proportion. In: ohne (Hrsg.) . Broad Spectrum Utilisation of Wood, S. 39-44
 30. Junga U, Militz H (2005) Besonderheiten bei der biologischen Prüfung einiger modifizierter Hölzer. Probleme durch unterschiedliche Schutz- und Abbauprinzipien. In: Deutsche Gesellschaft für Holzforschung (Hrsg.) Sicherung von Produktqualität und -leistung. Deutsche Holzschutztagung, S. 137-147
 31. Militz H, Meyer U (2005) Entwicklung neuer Verfahren für den Fensterbau. In: (Hrsg.) . Jahrestagung der Akzo Nobel Coatings, Wasserschloss Hülsede, 28.01.2005, S.
 32. Militz H, Larnøy E, Alfredsen G, Eikenes M (2005) Chitosan als Holzschutzmittel: Ein Naturstoff aus Bioabfällen. In: Deutsche Gesellschaft für Holzforschung (Hrsg.) Sicherung von Produktqualität und -leistung. Deutsche Holzschutztagung, S. 149-156

33. Militz H, Meyer U, Krause A (2005) Geeignete Beschichtungssysteme für dimensionsstabilisierte Hölzer. In: (Hrsg.). Holz Innovativ, Rosenheim, 06.-07.04.2005, S.
34. Schwarz B, Schmid J, Krause A, Militz H (2005) Fenster und Fassaden aus modifizierten Hölzern - Projektergebnisse und weitere Schritte zur Umsetzung. In: Deutsche Gesellschaft für Holzforschung (Hrsg.) Sicherung von Produktqualität und -leistung. Deutsche Holzschutztagung, S. 179-189
35. Kürsten E, Militz H (2004) Possibilities for the use of the different types of wood residues as raw material. In: Gallis, Christos Th. (Hrsg.). Proceedings of the International Symposium, S. 190-203
36. Brodbeck F, Hapla F, Mitlöhner R (2003) Traditional forest gardens as "safety net" for rural households in Central Sulawesi, Indonesia. In: Center for International Forestry Research (CIFOR) (Hrsg.). Proceedings of the International Symposium, S.
37. Mai C, Donath S, Militz H (2003) Einsatz von Siliziumverbindungen zur Holzvergütung. In: Deutsche Gesellschaft für Holzforschung (Hrsg.). Deutsche Holzschutztagung, S. 83-96
38. Militz H (2003) Oils and water repellents in wood preservation. In: (Hrsg.). Proceedings of the International Symposium, S. 65
39. Militz H, Krause A (2003) Verfahren der Holzmodifizierung für den Fenster- und Fassadenbau. In: (Hrsg.). Rosenheimer Fenstertage, Rosenheim, 22.-24.10.2003, S. 101-106
40. Militz H, Son DW, Gómez-Hernández L, Sierra-Alvarez R (2003) Effect of fungal degradation on the chemical composition of acetylated beech wood. In: International Research Group on Wood Preservation (Hrsg.) Document IRG/WP 03-40267. 34th Annual Meeting Brisbane, Australia, 18.-23.05.2003, S.
41. Tomazic M, Kricej B, Pavlic M, Petric M, Mai C, Militz H (2003) Properties of silane treated and coated wood. In: (Hrsg.). Proceedings of the International Symposium, S. 27-33
42. Treu A, Militz H, Breyne S (2003) Royal-treatment - scientific background and practical application. In: (Hrsg.). Proceedings of the International Symposium, S. 7-15
43. Treu A, Militz H, Habicht J, Klaucke R (2003) Kombinationsverfahren von bioziden Holzschutzmitteln und Hydrophobierungsmitteln. In: Deutsche Gesellschaft für Holzforschung (Hrsg.). Deutsche Holzschutztagung, S. 177-193
44. van Eeckevelde A, Homan WJ, Militz H (2003) Water repellency of some natural oils. In: European Commission (Hrsg.) Oils and water repellents in wood preservation. Proceedings of the International Symposium, S. 41-46
45. Militz H (2002) Heat treatment technologies in Europe: Scientific background and technological state-of-art. In: (Hrsg.). Proceedings of the International Symposium, S. 239-249
46. Militz H (2002) Modified wood: a new material for new and existing markets. In: 1st European Wood Conference (Hrsg.). Proceedings of the International Symposium, S. 69-74
47. Militz H (2002) Solid Wood Modification. In: Wood K plus (Hrsg.) Proceedings Part 1 (COST E13 International Symposium on Wood Based Materials - Wood Composites and Chemistry. Fachtagung, S. 1
48. Militz H (2002) Thermal treatment of wood: European processes and their background. In: International Research Group on Wood Preservation (Hrsg.) Document IRG/WP 02-40241. 33rd Annual Meeting Cardiff, Cardiff, Wales, 12.-17.05.2002, S.
49. Mohebbi B, Militz H (2002) Soft rot decay in acetylated wood: Chemical and anatomical changes in decayed wood. In: International Research Group on Wood Preservation (Hrsg.) Document IRG/WP 02-40231. 33rd Annual Meeting Cardiff, Cardiff, Wales, 12.-17.05.2002, S.

1. Rademacher P, Militz H, Hansen J, Schmidt M, Nagel J, Spellmann H, Bollmus S, Dieste A, Puttmann S, Welling H, Ohlmeyer M, Rödl A, Albrecht CM, Bauer HH (2009) Innovative, modifizierte Buchenholzprodukte. In: Georg-August-Universität Göttingen
2. Rademacher P, Militz H, Albrecht CM, Bollmus S, Hansen J, Krause A, Schwerdtfeger L, Welling H (2006) 1. Zwischenbericht im BMBF-Vorhaben Nachhaltige Waldwirtschaft. In: Georg-August-Universität Göttingen

Patente

1. Militz H, Mahnert KC, Luessen F (2013) Method for treating wood and wood-based materials, and wood and wood-based materials obtainable therewith. In: US Patent and Trademark Office
2. Delis JGP, Klaassen E, Hermann JW, Militz H, Mai C, Pries M, Wagner R, Sockel KH, Stachulla KH, Käsler KH, Hoffmüller G (2012) Functionalized Polyorganosil Oxanes or Silanes for the Treatment of Lignocellulosic Materials. In: Internationales Patentamt
3. Lürssen F, Militz H, Mahnert KC (2012) Verfahren zur Behandlung von Holz und Holzwerkstoffen sowie damit erhältliches Holz und Holzwerkstoffe. In: Internationales Patentamt
4. Militz H (2012) Funktionalisierte Polyorganosiloxane oder Silane zur Behandlung von lignocellulosischen Werkstoffen. In: Europäisches Patentamt
5. Edelmann R, Wassmer C, Jenkner P, Monkiewicz J, Militz H, Mai C, Donath S (2011) Mittel zur Ausstattung von auf Cellulose und/oder Stärke basierenden Substraten mit Wasser abweisenden und gleichzeitig pilz-, bakterien-, insekten- sowie algenwidrigen Eigenschaften. In: Internationales Patentamt
6. Militz H, Mahnert KC (2011) Verfahren zur Behandlung von Holz und Holzwerkstoffen sowie damit erhältliches Holz und Holzwerkstoffe. In: Europäisches Patentamt
7. Militz H, Mai C, Ghosh S (2011) Polyorganosiloxane compounds for protecting wood against termites. In: Internationales Patentamt
8. Militz H, Mai C, Ghosh SC, Pries M, Wagner R, Sockel KH, Stachulla KH, Käsler KH, Hoffmüller G (2011) Verwendung von aminofunktionellen Polyorganosiloxanen als Holzschutzmittel. In: Europäisches Patentamt
9. Militz H, Mai C, Kloeser L (2011) Verfahren zur Herstellung von Verbundwerkstoffen. In: Internationales Patentamt
10. Edelmann R, Wassmer C, Jenkner P, Monkiewicz J, Militz H, Mai C, Donath S (2010) Agent for Providing Substrates Based on Cellulose and/or Starch with Water Repellent and Simultaneously Antifungal, Antibacterial, Insect-repellent and Antialgal Properties - Mittel zur Ausstattung von auf Cellulose und/oder Stärke basierenden Substraten mit Wasser abweisenden und gleichzeitig pilz-, bakterien-, insekten- sowie algenwidrigen Eigenschaften. In: Internationales Patentamt
11. Militz H, Mai C (2009) Verwendung von Polymeren mit Amino- bzw. Ammoniumgruppen zur Erhöhung der Dauerhaftigkeit von Holz gegenüber holzbesiedelnden Pilzen. In: Deutsches Patent- und Markenamt
12. Militz H, Mai C, Nguyen HM (2009) Schutzmittel für lignocellulosisches Material auf Basis von Fettsäure- und Paraffinderivaten. In: Europäisches Patentamt
13. Treu A, Militz H (2008) Microwave curing of impregnated wood. In: Internationales Patentamt
14. Baus U, Scherr G, Militz H, Krause A, Wepner F (2006) Herstellung von Formkörpern aus feinteiligen Materialien auf Basis von Lignocellulose. In: Deutsches Patent- und Markenamt

15. Kingma AJ, Fechtenkötter A, Kasel W, Militz H, Krause A, Mai C (2006) Verfahren zum Hydrophobieren von Lignocellulosematerialien. In: Deutsches Patent- und Markenamt
16. Kingma AJ, Fechtenkötter A, Kasel W, Militz H, Krause A, Mai C (2006) Verwendung wässriger Wachsdispersionen zur Imprägnierung von Lignocellulose-Materialien. In: Deutsches Patent- und Markenamt
17. Kingma AJ, Reisacher HU, Mauthe U, Militz H, Krause A, Mai C (2006) Verfahren zum Imprägnieren von Lignocellulosematerialien mit Effektstoffen. In: Deutsches Patent- und Markenamt
18. Kingma AJ, Wagner E, Graf K, Menzel K, Militz H, Krause A, Xie Y, Mai C (2006) Verfahren zur Behandlung von Holzoberflächen. In: Deutsches Patent- und Markenamt
19. Kingma AJ, Weingart F, Militz H, Krause A (2006) Wässrige, härtbare Zusammensetzungen zum Imprägnieren von Lignocellulosematerialien. In: Deutsches Patent- und Markenamt
20. Militz H, Bringemeier B (2006) Wiederverwendbare Messelektrode für Holzfeuchtemessgeräte auf Widerstandsbasis. In: Deutsches Patent- und Markenamt
21. Militz H, Mai C, Hong NM (2006) Schutzmittel für lignocellulosches Material auf Basis von Fettsäure- und Paraffinderivaten. In: Europäisches Patentamt
22. Militz H, Mai C, Jenkner P, Edelmann R, Standke B, Michel P, Bergmann JU, Schmidt S (2006) Kompositwerkstoff aus Holz und thermoplastischem Kunststoff. In: Deutsches Patent- und Markenamt
23. Militz H, Mai C, Jenkner P, Edelmann R, Standke B, Michel P, Bergmann JU, Schmidt S (2006) Silanisierung von Holzspänen und -fasern zur Herstellung von Holz-Plastik-Kompositwerkstoffen. In: Deutsches Patent- und Markenamt
24. Kingma AJ, Weingart F, Militz H, Wepner F, Krause A (2005) Verfahren zur Herstellung modifizierter Furnierwerkstoffe. In: Deutsches Patent- und Markenamt
25. Kingma AJ, Weingart F, Militz H, Wepner F, Krause A (2005) Verfahren zur Herstellung von Holzwerkstoffen. In: Deutsches Patent- und Markenamt
26. Kingma AJ, Weingart F, Schaffert S, Jüttner O, Militz H, Krause A, Wepner F (2005) Verwendung von modifizierten Holzwerkmaterialien zur Herstellung von Gegenständen. In: Deutsches Patent- und Markenamt
27. Kingma AJ, Weingart F, Schaffert S, Militz H, Krause A, Wepner F (2005) Formaldehydfreies Lignocellulosematerial und Verfahren zu dessen Herstellung. In: Deutsches Patent- und Markenamt
28. Kingma AJ, Weingart F, Schaffert S, Militz H, Krause A, Wepner F (2005) Herstellung modifizierter Lignocellulosematerialien. In: Deutsches Patent- und Markenamt
29. Militz H, Treu A (2005) Hydrophobierung von Holzprodukten für den Einsatz als Haushaltswaren, unter besonderer Berücksichtigung der verringerten Rissbildung und Spülmaschinentauglichkeit. In: Deutsches Patent- und Markenamt
30. Militz H, Mai C, Weigenand O (2004) Schutzmittel und Vergütung für Holz. In: Deutsches Patent- und Markenamt
31. Militz H, Krause A (2002) Verfahren zur Verbesserung der Dauerhaftigkeit, Dimensionsstabilität und Oberflächenhärte eines Holzkörpers. In: Deutsches Patent- und Markenamt
32. Militz H, Krause A (2002) Verfahren zur Verbesserung der Oberflächenhärte eines Holzkörpers mit einer wässrigen Lösung eines Imprägniermittels. In: Deutsches Patent- und Markenamt