

PUBLICATIONS

Articles in Peer-Reviewed Journals

- [1] **Kyyrö S, Altgen M, Belt T, Seppäläinen H, Brischke C, Heinze P, Militz H, Rautkari L (2023)** Effect of pressurized hot water extraction on the resistance of Scots pine sapwood against mould fungi. *Holzforschung*. <https://doi.org/10.1515/hf-2022-0190>
- [2] **Brischke C, Alfredsen G (2022)** *The biological durability of pine wood – Review on the inter-species variation within the genus Pinus*. *Wood Material Science and Engineering*. <https://doi.org/10.1080/17480272.2022.2104134>
- [3] **Brischke C, Emmerich L (2022)** *Feuchtebeständigkeit holzbasierter Materialien – Prüfmethode, Beitrag zur Dauerhaftigkeit und Implementierung in Normen*. *Holztechnologie* 63: 18-28.
- [4] **Brischke C, Wippermann K (2022)** *Foil storage of storm-felled timber – Long-term monitoring of Norway spruce piles in Germany*. *Forests* 13: 1918. <https://doi.org/10.3390/f13111918>
- [5] **Jones D, Kržišnik D, Hočevar M, Zagar A, Humar M, Popescu C-M, Popescu M-C, Brischke C, Nunes L, Curling S, Ormondroyd G, Sandberg D (2022)** Evaluation of the effect of a combined chemical and thermal modification of wood through the use of bicine and tricine. *Forests* 13(6): 834. <https://doi.org/10.3390/f13060834>
- [6] **Kyyrö S, Altgen M, Belt T, Seppäläinen H, Brischke C, Heinze P, Rautkari L, Militz H (2022)** *Effect of pressurized hot water extraction and esterification on the moisture properties and decay resistance of Scots pine (Pinus sylvestris L.) sapwood*. *Holzforschung*. <https://doi.org/10.1515/hf-2022-0100>
- [7] **Sheik AA, Hosseinpourpia R, Brischke C, Adamopoulos S (2022)** *Anatomical, physical and biological properties of two rattan species of different diameter classes*. *Forests* 13 (1): 132. <https://doi.org/10.3390/f13010132>
- [8] **Starck M, Heidel A, Brischke C, Militz H (2022)** *Incising and double impregnation of Beech sleepers -Investigation of an alternative preservation system replacing creosote treated railway sleepers*. *Frontiers in Forests and Global Change* 5: 814049. <http://doi.10.3389/ffgc.2022.814049>
- [9] **Brischke C, Emmerich L, Koddensberg T, Kick ABE (2022)** *Properties of Mexican bloodwood (Haematoxylum campechianum L.) - Part 2: Moisture performance and biological durability*. *Holzforschung* 76: 339-347. <https://doi.org/10.1515/hf-2021-0187>

- [10] **Brischke C, von Boch-Galhau N, Bollmus S (2022)** *Impact of different sterilization techniques and mass loss measurements on the durability of wood against wood-destroying fungi*. European Journal of Wood and Wood Products 80: 35-44. <https://doi.org/10.1007/s00107-021-01745-8>
- [11] **Koddenberg T, Brischke C, Emmerich L, Kick ABE (2022)** *Properties of Mexican bloodwood (Haematoxylum campechianum L.) – Part 1: Anatomical and colorimetric characteristics*. Holzforschung 76: 330-338. <https://doi.org/10.1515/hf-2021-0186>
- [12] **Marais BN, Brischke C, Militz H (2022)** *Wood durability in terrestrial and aquatic environments – A review of biotic and abiotic influence factors*. Wood Material Science and Engineering 17: 82-105. <https://doi.org/10.1080/17480272.2020.1779810>
- [13] **Sharapov E, Brischke C, Bicke S, Steeg J, Militz H (2022)** *Evaluation of white rot decay in phenol-formaldehyde resin treated European beech (Fagus sylvatica L.) LVL by drilling resistance measurements*. European Journal of Wood and Wood Products 80: 439-449. <https://doi.org/10.1007/s00107-021-01769-0>
- [14] **van Niekerk PB, Brischke C, Marais BN, Militz H, Borges LMS, Cragg SM, Kutnik M, Ansard D, Humar M, Niklewski J (2022)** *Mapping the biotic degradation hazard of wood in Europe – biophysical background, engineering applications, and climate change-induced prospects*. Holzforschung 76(2), 188-210. <https://doi.org/10.1515/hf-2021-0169>
- [15] **Alfredsen G, Brischke C, Marais BN, Stein RFA, Zimmer K, Humar M (2021)** *Modelling the material resistance of wood - Part 1: Utilizing durability test data based on different reference wood species*. Forests. Special Issue "Modeling the Performance of Wood and Wood Products". Forests 12(5): 558. <https://doi.org/10.3390/f12050558>
- [16] **Brischke C, Bollmus S, Braun M, Emmerich L (2021)** *Foil storage for conservation of beetle-infested spruce logs – a feasibility study*. ProLigno 17: 11-17.
- [17] **Emmerich L, Bleckmann M, Strohbusch S, Brischke C, Bollmus S, Militz H (2021)** *Growth behaviour of wood-destroying fungi in chemically modified wood - Wood degradation and translocation of nitrogen compounds*. Holzforschung 75: 786-797. <https://doi.org/10.1515/hf-2020-0252>
- [18] **Emmerich L, Brischke C (2021)** *Electrical moisture content measurements of modified wood – Determination of resistance characteristics and outdoor monitoring*. Holztechnologie 62: 11-22.
- [19] **Emmerich L, Brischke C, Bollmus S, Militz H (2021)** *Dynamic strength properties and structural integrity of wood modified with cyclic N-methylol and N-methyl compounds*. Holzforschung 75: 932-944. <https://doi.org/10.1515/hf-2021-0013>

- [20] **Emmerich L, Brischke C, Militz H (2021)** *Wood modification with N-methylol and N-methyl compounds: a case study on how non-fixed chemicals in modified wood may affect the classification of their durability*. *Holzforschung* 75, 1061-1065. <https://doi.org/10.1515/hf-2021-0037>
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- [22] **Helali J, Momenzadeh H, Saeidi V, Ebrahimi G, Brischke C, Lotfi M (2021)** *Wood decay hazard and its variation during different decades and El Niño Southern oscillation phases: climate time series analysis in Iran*. *Frontiers in Forests and Global Change* 181. <https://doi.org/10.3389/ffgc.2021.693833>
- [23] **Marais BN, Brischke C, van Niekerk PB (2021)** *Studies into Fungal Decay of Wood in Ground Contact – Part 2: Development of a Dose-Response Model to Predict Decay Rate*. *Forests*. Special Issue "Modelling the Performance of Wood and Wood Products" 12(6): 698. <https://doi.org/10.3390/f12060698>
- [24] **Niklewski J, Brischke C, Frühwald Hansson E, Meyer-Veltrup L, Kavurmaci D (2021)** *Numerical study on the effects of macro climate and detailing on the relative decay hazard of Norway spruce*. *Wood Material Science and Engineering* 16: 12-20. <https://doi.org/10.1080/17480272.2019.1608296>
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- [34] **Humar M, Repič R, Kržišnik D, Lesar B, Cerc-Korosec R, Brischke C, Emmerich L, Rep G (2020)** *Quality control of thermally modified timber using Dynamic Vapor Sorption (DVS) analysis*. Forests 11(6): 666. <https://doi.org/10.3390/f11060666>
- [35] **Imken AAP, Brischke C, Kögel S, Krause KC, Mai C (2020)** *Analysis of the resistance of wood-based-materials against mould fungi – a comparison of methods*. European Journal of Wood and Wood Products 78: 661-671. <https://doi.org/10.1007/s00107-020-01554-5>
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