Reading list

Ki Woo Kim, In Jung Lee, Chang Soo Kim, Don Koo Lee amd Eun Woo Park. (2011). Micromorphology of epicuticular waxes and epistomatal chambers of pine species by Electron Microscopy and White Scanning Interferometry. *Microscopy and Microanalysis 17, 118-124*.

Koch,K., Neinhuis, C., Ensikat, H.-J. and Bartholott, W (2004). Self-assembly of epicuticular waxes on living plant surfaces imaged by atomic force microscopy (AFM). *J Expt Bot 55, 711-718*.

Mattias Berglund (2005). Infection and growth of *Heterobasidion spp*. in *Picea Abies*-Control by *Phlebiopsis Gigantean* stump treatment. Doctoral thesis, Swedish University of Agricultural Sciences Alrnarp.

Roberge J.-M., Fries C., Normark E., Mårald E., Sténs A., Sandström C., Sonesson J., Appelqvist C., Lundmark T. (2020/4*). Rapport. Forest management on Sweden. Current practice and historical background. Skogstyrelse*.

Williamson G.B., Wiemann M. (2010). Measuring wood specific gravity...Correctly. *Americal Journal of Botany 97(3): 519-524*.

Eckelman C.A. (2000). The shrinking and swelling of wood and its effect on furniture. *Purdue University, Department of Forestry & Natural Resources*.

Donaldson L.A. (2022). Super-resolution imaging of Douglas fir xylem cell wall nanostructure using SRRF microscopy. *Plant methods 18:27*

Rook D.A., Hellmers H., Hesketh J.D. (1971). Stomata and cuticular surfaces of Pinus radiate needles as seen with a Scanning Electron Microscope. *Journal of Arizona Academy of Science, 6(3):225-225*.

Walles, B., Nyman B., Aldén T. (1973). On the Ultrastructure of Needles of *Pinus silvestris L*. *Skogshögskolan, Royal College of Forestry, Stockholm, Nr. 106*.

Shmulsky R., Jones P.D. (2019). Forest Products and Wood Science: An Introduction, Seventh Edition, Wiley.

Jiménez M.S., Zellnig G., Stabentheiner E., Peters J., Morales D., Grill D. (2000). Structure and ultrastructure of *Pinus canariensis* needles. *Flora 195:228-235*.

Pfautsch S., Renard J., Tjoelker M.G., Salih M. (2015). Phloem as Capacitor: Radial transfer of water into Xylem of tree stems via Symplastic transport in Ray Parenchyma. *Plant Physiology, 167: 963-971*.

Boher P., Soler M., Sánchez A., Hoede C., Noiront C., Pinto Paiva J.A., Serra O., Figuera M. (2018). A comparative transcriptomic approach to understand the formation of cork. *Plant Molecular Biology, 96:103-118*.

Bond B., Hamner P. (). Wood Identification for Hardwood and Softwood Species Native to Tennessee. Research Associate Department of Forestry, Wildlife and Fisheries. The University of Tennessee

Spicer R., Groover A. (2010). Evolution of development of vascular cambia and secondary growth. *New Phytologist, 186: 577–592*.

Choat B., Cobb A., Jansen S. (2007). Structure and function of bordered pits: new discoveries and impacts on whole-plant hydraulic function. *New Phytologist, 177: 608–626*.

Rowell (1984). The Chemistry of Solid Wood Advances in Chemistry: Formation and Structure of Wood. *American Chemical Society: Washington, DC*.

Plomion C., Leprovost G., Stokes A. (2010). Wood Formation in Trees. *Plant Physiology, 127: 1513–1523*.

Abruzzi R., Dedavid B.A., Pires M.J.R., Ferrarini S.F. (2013). Relationship between Density and Anatomical Structure of Different Species of Eucalyptus and Identification of Preservatives. *Materials Research, 16(6): 1428-1438*.

Schultz, T.P., Nicholas, D.D. (2004). Solid wood processing, Protection of Wood against Biodeterioration.

Mehedi R. (2016). Study of Norway spruce cell wall structure with microscopy tool. *Doctoral Dissertation 39/2016 Aalto University*.

Åkerman J. (2018). Excursion guide to some common Swedish trees, NGEA 01. *Lund University, Sweden*.

Fahlén J. (2005). The cell wall ultrastructure of wood fibres – effects of the chemical pulp fibre line. Doctoral thesis. KTH Fibre and Polymer Technology, STFI-Packforsk, and SLU Wood Ultrastructure Research Centre (WURC).

Koddenberg T., Greving I., Hagemann J., Flenner S., Krause A., Laipple D., Klein K.C., Schmitt U., Schuster M., Wolf A., Seifert M., Ludwig V., Funk S., Milits H., Nopens M. (2021). Three-dimensional imaging of xylem at cell wall level through near field nano holotomography. *Nature portfolio, Scientific Reports, 11:4574*.

Schneller M.A., Feucht J.R., Klett J.E. (1989). Root systems of trees: Facts and Fallacies. *Journal of Arboriculture, 15(9):201-205*.

Wheeler E. (2001). Encyclopedia of Materials: Science and Technology. Wood: Macroscopic Anatomy. *Elsevier pp. 9653±9658. ISBN: 0-08-0431526*.

Kozlowski T.T., Pallardy S.G. (1997). Physiology of Wood Plants. Second Edition. *Academic Press – An Imprint of Elsevier. ISBN-13:978-0-12-424162-6*.

Boddi S., Morassi Bonzi L., Calamassi R. (2001). Structure and ultrastructure of Pinus halepensis primary needles. *Flora, 197:10–23*.

Barnett J.R., Bonham V.A. (2004). Cellulose microfibril angle in the cell wall of wood fibres. *Biol.Rev., 79:461–472*.

Govina J.K. (2017). Resin and resin canals in families and clones of *Pinus Radiata* (d. Don). *Master of Forestry Science Thesis. New Zealand School of Forestry, University of Canterbury, Christchurch, New Zealand*.

Martin D., Tholl D., Gershenzon J., Bohlmann J. (2002). Methyl Jasmonate Induces Traumatic Resin Ducts, Terpenoid Resin Biosynthesis, and Terpenoid Accumulation in Developing Xylem of Norway Spruce Stems. *Plant Physiology, 129:1003–1018*.

TOMÁS MARÍN S., NOVÁK M., KLANČNIK K., GABERŠČIK A. (2016). Spectral signatures of conifer needles mainly depend on their physical traits. *Pol. J. Ecol.,64:1–13*.

Baier P., Führer E., Kirisits T., Rosner S. (2002). Defence reactions of Norway Spruce against bark beetles and the associated fungus *Ceratocystis polonica* in secondary pure and mixed species stands. *Forest Ecology and Management, 159: 73-86*.

Jönsson A.M., Schroeder L.M., Lagergren F., Anderbrant O., Smith B. (2012) .Guess the impact of *Ips typographus*—An ecosystem modelling approach for simulating spruce bark beetle outbreaks. *Agricultural and Forest Meteorology, 166– 167:188–200*.

Petersson M. (2004). Regeneration Methods to Reduce Pine Weevil Damage to Conifer Seedlings. *Doctoral thesis, Southern Swedish Forest Research Centre Alnarp*.

Spratt E., Jordan J., Winsten J., Huff P., va Schaik C., Grimso Jewett J., Filbert M., Luhman J., Meier E., Paine L. (2021). Accelerating regenerative grazing to tackle farm, environmental, and societal challenges in the upper Midwest. *Journal of soil and water conservation, 765(1): 15A-23A*.

(2020). Global Forest Resources Assessment – Key Findings. *Food and Agriculture Organization of the United Nations*.

(2010). Impact of the global forest industry on atmospheric greenhouse gases. *FAO Forestry Paper 159. food and agriculture organization of the united nations FAO FORESTRY PAPER 159 Rome*.

Guzicka, M.; Marek, S.; Gawlak, M.; Tomaszewski, D. Micromorphology of Pine Needle Primordia and Young Needles after Bud Dormancy Breaking. *Plants 2023, 12, 913. https://doi.org/10.3390/ plants12040913*.

Krokene P., Nagy N.E., Krekling T. (2008). Chapter7: Traumatic Resin Ducts and Polyphenolic Parenchyma Cells in Conifers. *A. Schaller (ed.), Induced Plant Resistance to Herbivory. Springer Science+Business Media B.V.*.

Artaxo, P, et al. (2022). Tropical and Boreal Forest – Atmosphere Interactions: A Review. *Tellus B: Chemical and Physical Meteorology, 74(2022), 24–163*.

Asiegbu F.O., Adomas A., Stenlid J. (2005). Conifer root and butt rot caused by *Heterobasidion annosum* (Fr.) Bref. s.l. *Molecular plant pathology,6(4): 395–409*.

Partelli-Feltrin R., Smith A.M.S., Adams H.D., Thompson R.A., Kolden C.A., Yedinak K.M., Johnson D.M. (2023). Death from hunger or thirst? Phloem death, rather than xylem hydraulic failure, as a driver of fire-induced conifer mortality. *NewPhytologist, 237: 1154–1163*.

Perrakis D.D.B. (2004). Seasonal fire effects on mixed-conifer forest structure and pine resin properties. *Master of Science thesis, University of Washington*.