

DAFTAR PUSTAKA

- Chen, C., Duan, C., Li, J., Liu, Y., Ma, X., Zheng, L., Stavik, J., Ni, Y., 2016. Cellulose (dissolving pulp) manufacturing processes and properties: A mini-review. *Bioresources* 11, 5553–5564. <https://doi.org/10.15376/biores.11.2.Chen>
- Chen, Z., Hu, T.Q., Jang, H.F., Grant, E., 2015. Modification of xylan in alkaline treated bleached hardwood kraft pulps as classified by attenuated total-internal-reflection (ATR) FTIR spectroscopy. *Carbohydr Polym* 127, 418–426. <https://doi.org/10.1016/j.carbpol.2015.03.084>
- Christiernin M., Henriksson G., Lindström M. E., Brumer H., Teeri T. T., Lindström T., J. Laine, The effects of Xyloglucan on the properties of paper made from bleached Kraft Pulp. *Nordic Pulp & Paper Research Journal* 18 (2003) 182–187.
- Danielsson, S., Xylan reactions in kraft cooking and their influence on paper sheet properties. KTH Publication. 2006.
- Fechter, C., Brelid, H., Fischer, S., 2020a. Possibilities for Optimization of Industrial Alkaline Steeping of Wood-Based Cellulose Fibers. *Molecules* 25. <https://doi.org/10.3390/MOLECULES25245834>
- Fechter, C., Fischer, S., Reimann, F., Brelid, H., Heinze, T., 2020b. Influence of pulp characteristics on the properties of alkali cellulose. *Cellulose* 27, 7227–7241. <https://doi.org/10.1007/s10570-020-03151-4>
- Gomes, V.J., Longue, D., Colodette, J.L., Ribeiro, R.A., 2014a. The effect of eucalypt pulp xylan content on its bleachability, refinability and drainability. *Cellulose* 21, 607–614. <https://doi.org/10.1007/s10570-013-0104-3>
- Gomes, V.J., Longue, D., Colodette, J.L., Ribeiro, R.A., 2014b. The effect of eucalypt pulp xylan content on its bleachability, refinability and drainability. *Cellulose* 21, 607–614. <https://doi.org/10.1007/s10570-013-0104-3>
- Ivanova, V.S., Kipershlak, E.Z., Pakshver, A.B., Usov, A.I., Pevzner, N. V., 1986. Composition of the hemicellulose dissolved in press liquor from viscose manufacturing. *Fibre Chemistry* 17, 338–341. <https://doi.org/10.1007/BF00544338>
- Liu, Q., Tian, R., Lv, Z., Wu, Y., Lv, B., Hao, X., Xue, Z., Peng, F., 2023. Rapid, selective, and room temperature dissolution of crystalline xylan by a hydrotrope. *Carbohydr Polym* 300. <https://doi.org/10.1016/j.carbpol.2022.120245>
- Mobarak F., El-Ashmawy A., Augustin H., Hemicelluloses as additive in papermaking. *Cellulose Chem. Technol.* 11 (1977); 109-113.
- Mozdyniewicz, D.J., Schild, G., Sixta, H., 2014. Alkaline steeping of dissolving pulp. Part II: Soluble compounds in the press lye. *Cellulose* 21, 2889–2900. <https://doi.org/10.1007/s10570-014-0291-6>
- Schaubeder, J.B., Spirk, S., Fliri, L., Orzan, E., Biegler, V., Palasingh, C., Selinger, J., Bakhshi, A., Bauer, W., Hirn, U., Nypelö, T., 2024. Role of intrinsic and extrinsic xylan in softwood kraft pulp fiber networks. *Carbohydr Polym* 323. <https://doi.org/10.1016/j.carbpol.2023.121371>
- Schlesinger, R., Götzinger, G., Sixta, H., Friedl, A., Harasek, M., 2006. Evaluation of alkali resistant nanofiltration membranes for the separation of hemicellulose from concentrated alkaline process liquors. *Desalination* 192, 303–314. <https://doi.org/10.1016/J.DESAL.2005.05.031>
- Shabbir, M., 2022. Engineering Materials Regenerated Cellulose and Composites Morphology-Property Relationship.
- Shin, N.H., Stromberg, B., n.d. Xylan's impact on eucalyptus pulp yield and strength-myth or reality? In: *International Colloquium on Eucalyptus Pulp*, Belo Horizonte, Brazil. (2007)



- Sixta, Herbert., 2006. Handbook of pulp. Wiley-VCH.
- Starrsjö, S., Boman, M., Sevastyanova, O., Lindström, M.E., Fiskari, J., 2021. Assessment of Q(OP)D(PO) bleachability of softwood kraft pulp. Nord Pulp Paper Res J 36, 582–593. <https://doi.org/10.1515/npptj-2021-0022>
- Spiegelberg, H., Effect of hemicellulose on mechanical properties of individual pulp fibers. TAPPI 49 (1966) 388-396.
- Wilson, J.D., Beelik, A., Hergert, H.L., Mitchell, R.L., 1974. METHOD FOR TREATING HEMI CAUSTIC EFFLUENTS. 512,487.
- Woodings, Calvin., Textile Institute (Manchester, E., 2001. Regenerated cellulose fibres. CRC Press.
- Zhang, Y., Yu, G., Li, B., Mu, X., Peng, H., Wang, H., 2016. Hemicellulose isolation, characterization, and the production of xylo-oligosaccharides from the wastewater of a viscose fiber mill. Carbohydr Polym 141, 238–243. <https://doi.org/10.1016/j.carbpol.2016.01.022>