

## The pretreatment of wood in ionic and complementary liquids

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The pretreatment of wood in ionic and complementary liquids is studied in and ex situ by small angle neutron scattering studies. We detect different stages of decomposition and connections to morphological stages. The general aim of the pretreatment is the accessibility of the cellulose to enzymatic scission of the chains such that valuable oligomers are obtained for further chemical reactions.

### Summary

We have learned that ionic liquids are by far more mild in the treatment of wood compared to classical acidic and alkaline liquors where the cellulose quality suffers from the pretreatment.

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