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Structure of acid-extractable polysaccharides of tree greenery of *Picea abies*

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Highlights

- The acid-extractable pectin (PA_A fraction) were isolated from *P. abies* greenery.
- RG-I side chains are formed out of branched 1,5- α -L-arabinan and 1,4- β -D-galactan.
- PA_A fraction contained glycans of the glucuronoarabinoxylan and glucomannan classes.
- However, neither glucomannans nor glucuronoarabinoxylans were associated with RG-I.

ABSTRACT

The polysaccharide PA_A was isolated from tree greenery of spruce *Picea abies* by the extraction with HCl solution. Monosaccharide analysis PA_A revealed high content of uronic acid residues (45%), arabinose (19.5%) and galactose (8.6%). It was shown that this polysaccharide contained polymers of

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