

# Supplementary data and figures

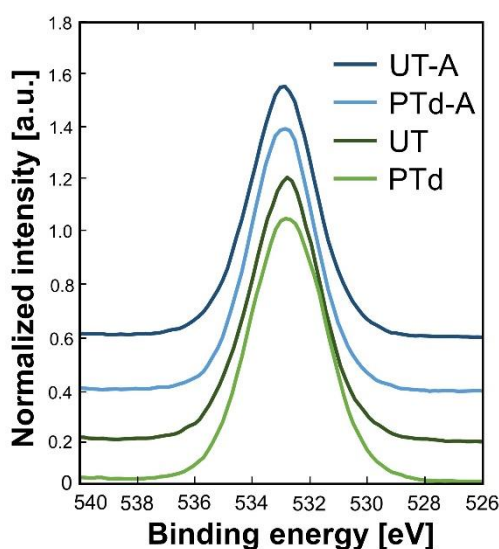
Related to the manuscript submitted to *Cellulose* journal in September 2020

Authors: Žigon Jure, Saražin Jaša, Šernek Milan, Kovač Janez, Dahle Sebastian

## The effect of ageing on bonding performance of plasma treated beech wood with urea-formaldehyde adhesive

### Research part: Results and discussion – XPS spectra

Representative high-energy resolution O 1s survey spectra acquired with XPS on aged, fresh, untreated and plasma treated beech wood are presented in Fig. S1.



**Fig. S1** Representative XPS high-energy resolution O 1s spectra on aged (-A) and fresh untreated (UT) and plasma treated (PTd) beech wood.

Summarized data of high resolution C 1s spectra components acquired with XPS, including the position and the full width at half maximum (FWHM) are presented in Table S1.

**Table S1** Binding energy (eV) and Full Width at Half Maximum (FWHM) in eV of components C1-C4 used for deconvolution of XPS spectra C 1s

Sample type	C 1s component							
	C <sub>1</sub> [eV]		C <sub>2</sub> [eV]		C <sub>3</sub> [eV]		C <sub>4</sub> [eV]	
	Energy	FWHM	Energy	FWHM	Energy	FWHM	Energy	FWHM
Cellulose	284.4	1.6	286.3	1.6	287.7	1.6	288.8	1.6
UT-A	284.7	1.5	286.4	1.5	287.8	1.5	288.8	1.5
PTd-A	284.5	1.5	286.1	1.5	287.3	1.5	288.7	1.5
UT	284.5	1.5	286.0	1.5	287.2	1.5	288.6	1.5
PTd	284.7	1.5	286.3	1.5	287.8	1.5	289.1	1.5