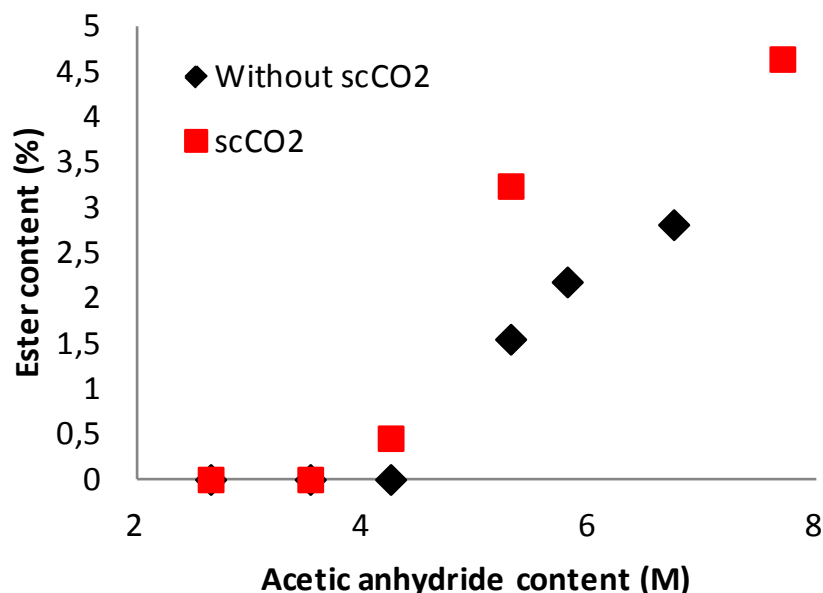


# Enzymatic acylation of cellulose nanofibers (CNFs) in the presence and absence of scCO<sub>2</sub>

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- CNFs were acylated using enzyme as catalyst in DMSO/buffer media, while preserving their originating structure.
- scCO<sub>2</sub> enhanced the acylation reaction.
- Surface characteristics of CNFs were changed from hydrophilic to more hydrophobic when acetylated.

