Supplementary materials

Micro-/Nanofibrillated Cellulose-Based Coating Formulations: A Solution for Improving Paper Printing Quality

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This supplementary document contains dynamic water contact analysis (DWCA) results. Although regarded as supplementary, this information is necessary to support some claims given along the article.

S1 Dynamic water contact analysis (DCA)

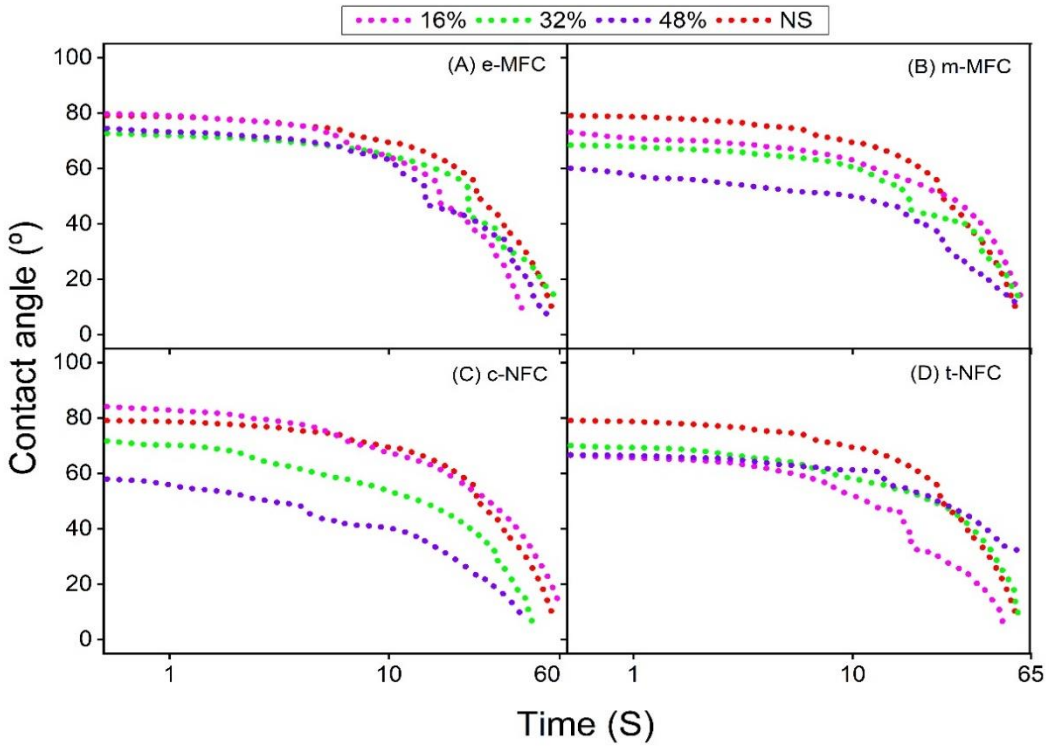

Figure S1. Dynamic contact angle for papers coated using different concentration (w/w %) of e-MFC (A), m-MFC (B), c-NFC (C) and t-NFC (D) for starch-based coatings

Figure S1 shows the DWCA plot, i.e., the time profile of the water contact angle, for M/NFCs coated samples (Refer Table 2 in main manuscript for detail of used concentrations). Likewise, DWCA of combined coatings

using M/NFCs/starch, Starch betainate (SB), Pluronics and PCC (Refer Table 3 in main manuscript for detail of used concentrations) is displayed in Figure S2.

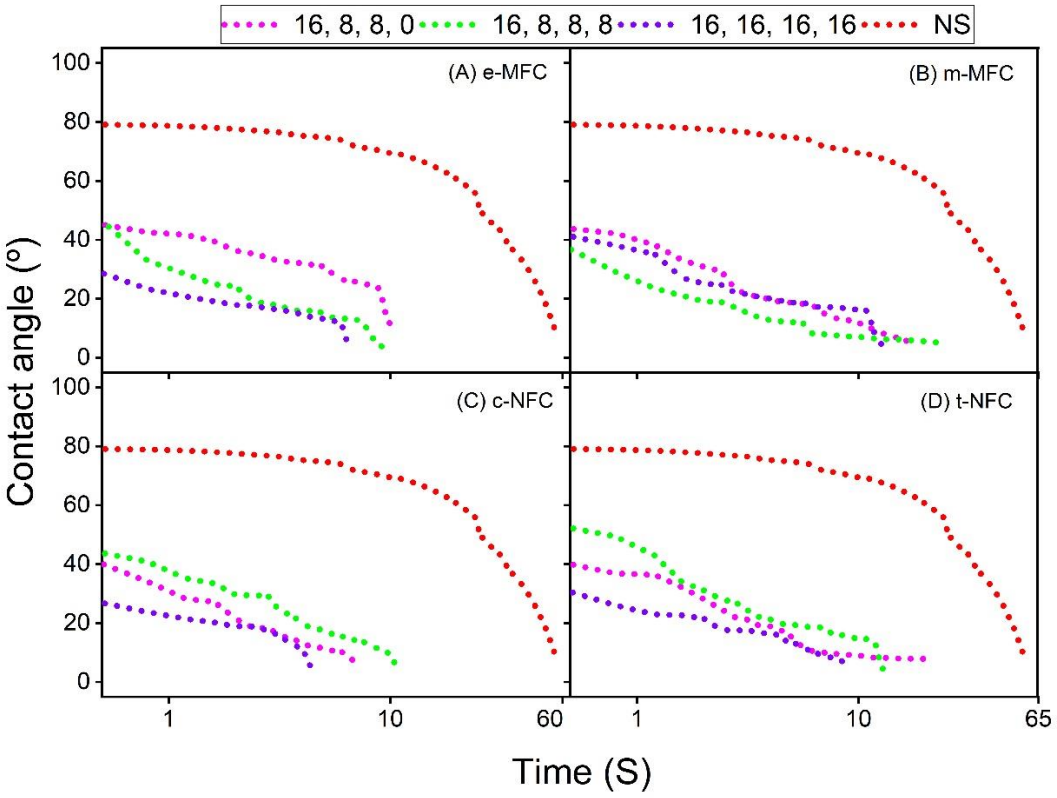

Figure S2. Dynamic contact angle for papers coated using different concentration (w/w %) of SB, Pluronics P123 and PCC for e-MFC (A), m-MFC (B), c-NFC (C) and t-NFC (D) starch-based coatings