

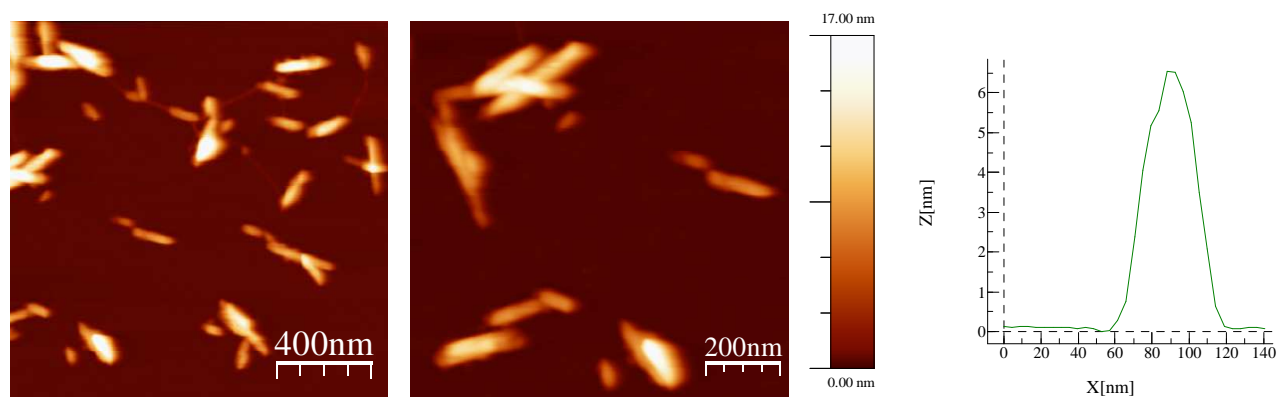
Atomic Force Microscopy images used to determine the thickness of the three sources of cellulose nanocrystals

AFM setup and sample preparation

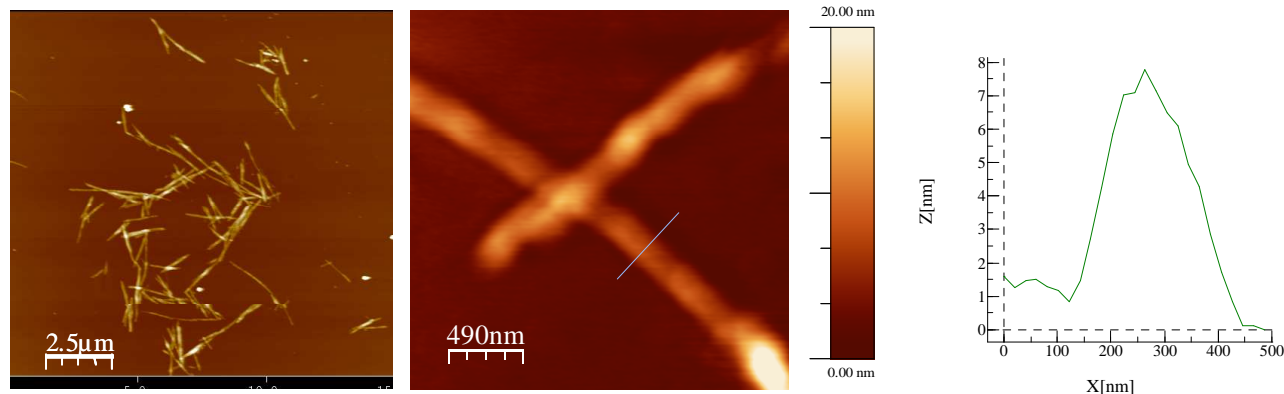
Measurements were performed with a Nanowizard II AFM on top of an inverted microscope (Eclipse Ti Nikon, Japan). The AFM stand-alone head is equipped with a linearized piezoelectric ceramic with a 15 μm range and an infrared laser. Rectangular-shaped cantilevers (PPP-NCHR, Nanosensors) were used to intermittent contact mode imaging in air.

10 μL of the suspension were deposited on top of a freshly cleaved mica surface and let dry for 30 minutes in a furnace thermally regulated (60°C).

cotton cellulose nanocrystals



bacterial cellulose nanocrystals



cladophora cellulose nanocrystals

