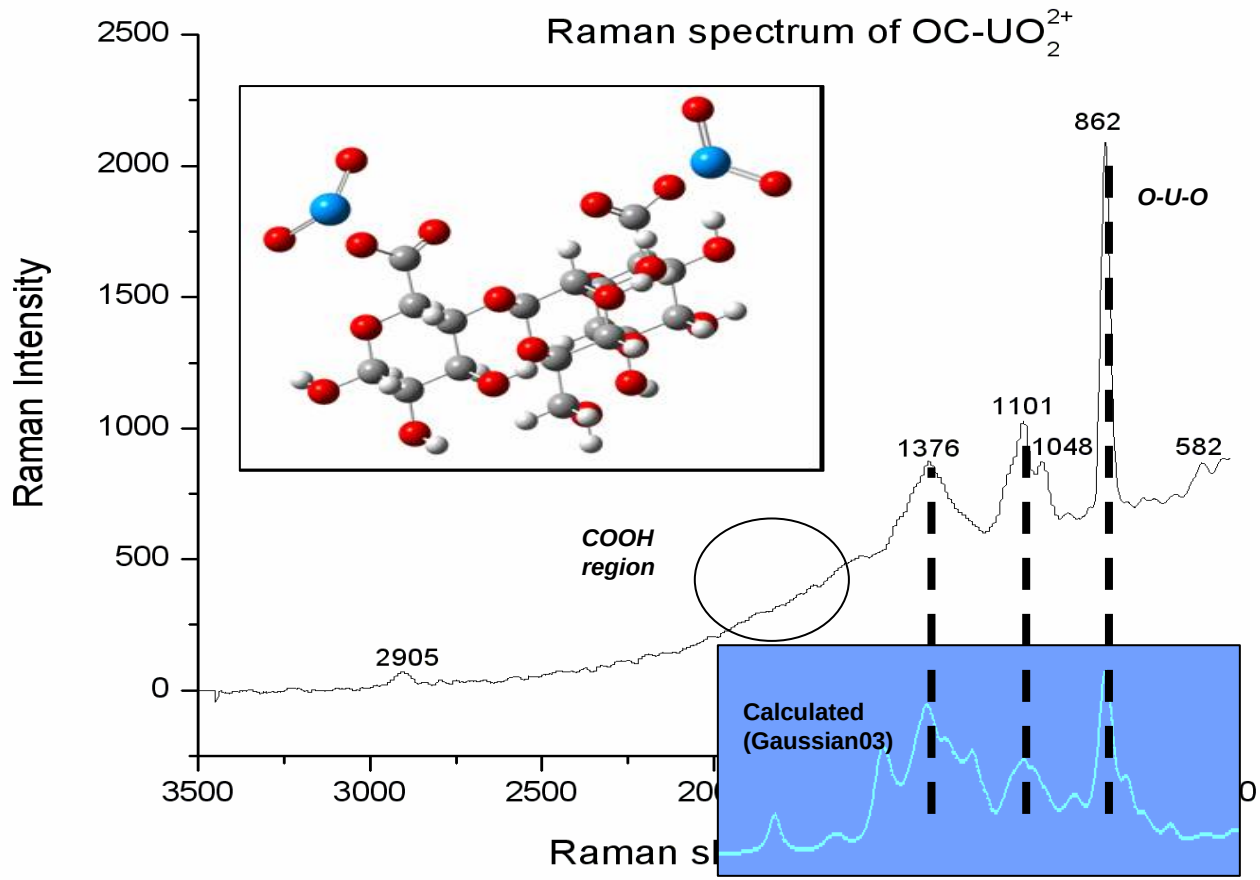
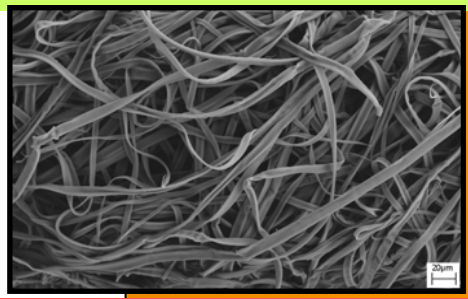
Association of uranyl with electrospun nanofibers of oxidized cellulose

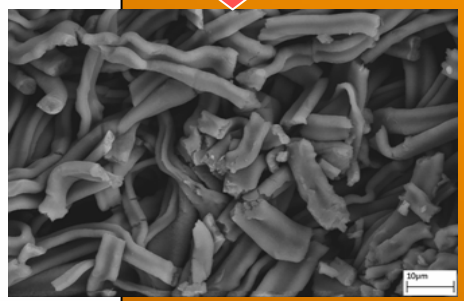
D. Han



Modified Polysaccharides for Remediation



As deposited electrospun cellulose



Following oxidation and exposure to uranyl (pH 3.4)

Biologically-inspired nanomaterials for environmental remediation

-- sorbs and retains unreduced uranyl at carbonyl sites

-- retains fiber structure

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