

TRENDS IN ELECTROSPINNING OF NATURAL NANOFIBERS

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Abstract- An emerging technology of manufacturing of thin natural fibers is based on the principle of electrospinning process. In conventional fiber spinning, the mechanical force is applied to the end of a jet. Whereas in the electrospinning process the electric body forces act on elements of charged fluid. Electrospinning of natural fibers offers unique capabilities for producing novel natural nanofibers and fabrics with controllable pore structure. Current research effort has focused in understanding the electrospinning of natural fibers in which the influence of different governing parameters are discussed.

Keywords: Electrospinning, natural nanofibers, process parameters, characterization.