

EFFECTS OF ELECTROSPINNING SETUP AND PROCESS PARAMETERS ON



effects of electrospinning setup pdf

Electrospinning, a spinning technique, is a unique approach using electrostatic forces to produce fine fibers from polymer solutions or melts and the fibers thus produced have a thinner diameter (from nanometer to micrometer) and a larger surface area than those obtained from conventional spinning processes.

Electrospinning: A fascinating fiber fabrication technique

The classic electrospinning setup consists of five components, a high voltage power source capable of applying a DC voltage in the range of kilovolts, a polymer solution to be electrospun, an electrically conductive spinneret (typically a blunted needle), a syringe pump to feed the polymer solution to the spinneret, and a grounded collector.

Polymer-based composites by electrospinning: Preparation

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