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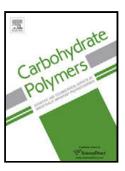
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Electrospinning of Non-ionic Cellulose Ethers/Polyvinyl alcohol Nanofibers:

Characterization and Applications

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Highlights

Spin-coated films and electrospun fibers of EHEC and HM-EHEC and their blends with

PVA were examined by AFM, SEM and contact angles.

• Citric acid crosslinked nanofibers were utilized for controlled release of an antimicrobial

drug.

Fibroblast cells were successfully attached onto the nanofibers, having nontoxicity and

hence show potential in tissue engineering applications.

ABSTRACT

The morphology of spin-coated films and electrospun fibers of ethyl hydroxy ethyl cellulose

(EHEC), hydrophobically modified ethyl hydroxy ethyl cellulose (HM-EHEC) and their blends

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