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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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