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Study the Effect of Acetic Acid on Structural, Optical and Mechanical Properties of PVA/Chitosan/MWCNT Films

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#### ACCEPTED MANUSCRIPT

### Highlights

- Increasing acid concentration enhances the crystallinity of the PVA/chitosan films.
- Increasing acid concentration decreased toughness and ultimate tensile strength.
- Engineering analyses show that the films reinforced by MWCNT.



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