

## عنوان مقاله:

Fabrication of Poly(Lactic Acid) and Chitosan Nanofibers and Comparison Study on Their Biodegradation Properties

## محل انتشار:

دوازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1395)

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## خلاصه مقاله:

The main objective of this paper is on the fabrication and the structure of nanofibers electrospun from solutions of two different biodegradable polymer, chitosan and poly(lactic acid) (PLA). Nanofibers of PLA and chitosan were prepared by electrospinning technique. Nanofibre morphology was investigated by scanning electron microscopy (SEM). Biodegradation behaviors of PLA and chitosan nanofibers were explored in Phosphate buffered saline (PBS) solution and SEM images showed that PLA nanofibers degraded very slowly but chitosan nanofibers were quickly dissolved in .PBS

## کلمات کلیدی:

Electrospinning-poly(lactic acid)-chitosan-morphology-biodegradation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/578408>

