

## عنوان مقاله:

PET wastage glycol reaction assessment to produce polyester productions

## محل انتشار:

دومین همایش ملی پژوهش های کاربردی در علوم شیمی، زیست شناسی و زمین شناسی (سال: 1393)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

This research has investigated the PET wastage chemical recycling using Glycolysis method. The Ethylene Glycol and Zinc Acetate were used as the solvent and the catalyst, respectively. PET glycolysis reaction Kinetics was investigated at both 90° C and 210 ° C. the following tests were used in order to investigate the behavior and properties of the obtained sample: Fourier Transform Infrared Spectroscopy (FTIR), Nuclear magnetic Resonance (NMR) and thermal investigation of polymers (DSC), differential scanning calorimeter). The results show that Bis .hydroxyl ethylene terephthalate (BHET), the glycolysis reaction product is formed

## کلمات کلیدی:

(Glycolysis, PET, ethylene glycol, zinc acetate, bis hydroxyl ethylene terephthalate (BHET

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/452516>

