

Pyrolysis of Dursunbey Lignite and Pyrolysis Kinetics

Authors : H. Sütçü, C. Efe

Abstract : In this study, pyrolysis characteristics of Dursunbey-Balıkesir lignite and its pyrolysis kinetics are examined. The pyrolysis experiments carried out at three different heating rates are performed by using thermogravimetric method. Kinetic parameters are calculated by Coats & Redfern kinetic model and the degree of pyrolysis process is determined for each of the heating rate.

Keywords : lignite, thermogravimetric analysis, pyrolysis, kinetics

Conference Title : ICNME 2016 : International Conference on Nanotechnology and Materials Engineering

Conference Location : İstanbul, Türkiye

Conference Dates : December 19-20, 2016