

## Performance of Environmental Efficiency of Energy Iran and Other Middle East Countries

**Authors :** Bahram Fathi, Mahdi Khodaparast Mashhadi, Masuod Homayounifar

**Abstract :** According to 1404 forecasting documentation, among the most fundamental ways of Iran's success in competition with other regional countries are innovations, efficiency enhancements and domestic productivity. Therefore, in this study, the energy consumption efficiency of Iran and the neighbor countries has been measured in the period between 2007-2012 considering the simultaneous economic activities, CO2 emission, and consumption of energy through data envelopment analysis of undesirable output. The results of the study indicated that the energy efficiency changes in both Iran and the average neighbor countries has been on a descending trend and Iran's energy efficiency status is not desirable compared to the other countries in the region.

**Keywords :** energy efficiency, environmental, undesirable output, data envelopment analysis

**Conference Title :** ICEFM 2015 : International Conference on Economics, Finance and Marketing

**Conference Location :** Sydney, Australia

**Conference Dates :** December 10-11, 2015