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**TITLE: FINAL ENERGY LINKAGES AND SUSTAINABLE ENERGY USE IN THE TURKISH ECONOMY:  
AN INPUT-OUTPUT ANALYSIS**

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**ABSTRACT:**

In recent years, energy consumption has become extremely important for the Turkish economy as well as for the rest of the world. The main objective of this study is to determine the 'key sectors' of the Turkish economy in terms of final energy consumption for the years 1998 and 2002. For this purpose, both demand-side and supply-side input-output analyses will be used to calculate backward and forward linkages of the sectors. As an extension of the method used, final energy consumption elasticities of sectors with respect to final demand and value added will also be calculated. The novelty of the study is that these calculations are made for the first time for the Turkish economy. It could be claimed that the results of the study are significant to design sector-specific energy policies to use energy efficiently and to decrease CO<sub>2</sub> emissions. This analysis is designed for forty two sectors and covers the years 1998 and 2002 since these are the years for which the latest input-output tables are available for the Turkish economy.