



## **P68 : ENERGY AGRICULTURE AND GIS**

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Renewable energy plays an important role in modern greenhouse applications. Greenhouse technology that favorable climatic conditions in the optimum level of plant growth period, temperature keeps under control factors such as light and humidity. In this process, the high energy costs incurred in order to establish appropriate value. Studies of heating made with fossil fuels suggests that covers 60-70 % of the total expenditure in the greenhouse ( Taurus and Başçetinçelik, 1990 and Taşlıgil transfer Sahin, 2012). Failure to yield loss due to the high cost of heating performed regularly, brings problems such as the requirement to use, and restrictions on the types of production hormone ( Kendirli and Cigar, 2009).

Is seen in detail the share of fossil and renewable energy sources in primary energy supply in our country, with each sector that uses detailed data on how much energy is available from what source. However, the majority of studies coal energy resources used in agriculture, oil, natural gas, wood and so on. show that the fossil fuel (Ozturk et al., 2010). Official statistics reserve relating to renewable energy sources, solar in terms of production costs and agricultural applications, geothermal, biomass and shows that the energy source that can be widely used for wind energy in the agricultural sector in Turkey (EWEA, 2008; IEA, 2010b; EIE 2012; Author, 2010).

Making use of technologies such as geographic information systems as create jobs for use in agriculture, renewable energy, the wind power plants, selecting the most suitable areas in the establishment of geothermal, land use, etc., database creation can be achieved in an easy, fast, effective way.

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