

## Abstract

The development of energy technology represents, an essential axis in the achievement of sustainable development, in both developed and developing countries, so it became necessary to invest in technological development, in order to optimize the utilization of currently available energy resources, on the one hand, on the other hand there is also a need to invest in technological development in field of renewable energy for achieving a sustainable balance energy, that is activating utilization of renewable sources of energy is an element of safety for humanity and is not only linked to the question of the future for traditional sources(depleted), anyway whether the future of conventional energy is guaranteed or not, all actions which related with activating of renewable energy sources will ultimately ensure supply security and achieve a sustainable balance.

Therefore, the study sought to highlight on the development of renewable energy technologies and their impact to reality and future of the traditional energy market, with the aim of indicating the extent to which this energy can achieve a sustainable balance.

Although there are international uncertainties about how technological innovations can meet demand on global energy in the future, in addition the study sought to analyses world energy supply and demand also analyses trends in current and future investments in energy technology, and thus to demonstrate the impact of