

EDITORIAL



Use of Clean Energy and Reduction of Environmental Pollution in Developing Countries

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In recent years, the growth of science and technology has changed the use of various methods of energy that were common in the pre-industrial revolution, and the knowledge of clean energy sources has created a great change in industrial development and human social evolution. The strong dependence of developing countries on energy resources, especially fossil fuels, and their excessive use and consumption will quickly deplete the many resources that have accumulated underground over the centuries. Burning all the fossil fuels in the world is equivalent to four days of solar radiation energy on the earth, and in this sense, the solar energy is a high important source of clean energy. Due to the fact that fossil fuel resources are consumed very quickly, these resources will be depleted in a short time. The current generation has a duty to turn to endless sources of energy and expand their knowledge to exploit these energy sources.

Environmental compatibility, cost-effectiveness and maintenance of fossil fuel resources for industrial use and its conversion into various materials are among the important reasons for higher use of clean energy in developing countries. The energy crisis in developing countries in recent years has led to many changes in the methods of storage and survival of fossil fuels, the most important of which is the replacement of fossil fuels with clean energy, which reduces public costs and consumption of fossil fuels up to 80%. Limited fossil fuel resources and the consequences of environmental and global climate change have created opportunities for clean energy to compete with fossil fuels.

Clean energy, including solar energy, wind energy, geothermal and bioenergy, is an important source of energy free from the destructive effects of the environment, which has long been used by humans in a variety of methods. The use of these energies significantly reduces human dependence on fossil fuels and will be a very effective step in protecting the environment, storing energy resources and solving the economic problems of developing countries.

It can be clearly stated that the current scientific and industrial level of developing countries is sufficiently prepared for the creation and development of clean energy techniques. Therefore, if the methods of using clean energy are further studied and the relevant sciences and technologies are promoted, it can become a self-sufficient industry. The most important point is that researchers should introduce designs and devices that are compatible with the weather, scientific and technical conditions of their country and are also economically viable.

It is necessary to analyze the energy consumption of different sectors in the cities and villages of each region, such as household, commercial, industrial and transportation, and provide accurate statistics based on the social, economic and political context and the goals of society and the future development of that region. It is hoped that, in the future plans of countries to provide the necessary energy, the share of clean energy will be determined, and based on that, the necessary credit will be provided for the implementation of useful projects.