

USAGE PERSPECTIVES OF RENEWABLE ENERGY RESOURCES IN JORDAN

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Human development registered in the last century has been possible without doubt on the base of designing a multitude of technological applications by applying diverse natural resources, especially energy ones [1]. Anyway, recorded advances especially in technological field was substantially feasible because of applying fossil fuels for energy supplies, fact that has had as a result also undesired environmental pollution, especially by CO₂ emissions; thus, bringing currently much debated climate change and global warming [2]. Another challenging situation is brought by the limited availability of fossil fuels, which is presently much debated on the global level. In this regard renewable energy resources are understood as being the pragmatic solution for assuring the future energy supply of humanity. Considering the energy needs of human beings on a global level, attention is currently oriented to existing possibilities of using renewable energy resources. In this context Arab countries could play an important role regarding the usage of solar energy for assuring electric energy supply for the population. By emphasizing different renewable energy resources for energy supply such as solar, wind, and water energy as well as bioenergy, their usage odds in the Arab World will be pointed out. In this regard a case study for the Jordanian situation will be debated about applying potential of solar energy, especially of photovoltaic panels for delivering needed electric energy [3]. By considering different levels of solar radiation in different parts of the world, existing odds to produce electric energy by photovoltaic panels in the Arab countries will be emphasized, thus contributing by this to new modern methods for electric energy supply. In the end, appropriate conclusions will be drawn regarding assuring intended sustainability of human society by applying renewable energy resources [3].

References

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