

Green Energy and Conservation of Environmental Capacity

M.D. Khodjaev

Scientific and Innovation Center “Eco-Energy”,
State Committee for Nature Protection of Uzbekistan

Possible areas for introduction of renewable energy sources and their potential are considered. By way of example, possible electrification of facilities located far from centralized energy sources; conservation of flora; prevention of pasture degradation; development of dry farming; reduction of soil salinity; utilization of livestock wastes with following production of combustible gas and environmentally friendly bio-fertilizers are demonstrated.

It is also proposed to widely implement cascade of mini power plants, which operate on watercourses in the irrigation mode, rather than construct anthropogenically hazardous hydraulic structures.

Economic, environmental, and social aspects of the use of renewable energy sources, as well as their prospects are analyzed herein.