

## Abstract Details

**Title:** Improved Life Cycle by Using Solar Energy Technologies

**Authors:** Sombir Kundu and Sukhbir Singh

**Abstract:** Energy crisis is one of the biggest issues in this world with limited and continuously depleting conventional sources for energy and power generation such as oil, gas, fossil fuels etc. So we need have alternate energy sources to meet the continuously increasing power requirements of the globe. Solar energy as one of the renewable one is derived from natural processes that are replenished constantly. This precious resource is free, inexhaustible resource. According to the point that solar energy is the energy derived from the sun through the form of solar radiation, in this paper an attempt is made to explore the applications of active solar techniques including the use of photovoltaic and solar hot water Systems to harness the energy.

**Keywords:** Renewable Resources, Active Solar System, Photovoltaic Systems, Solar Thermal Systems.