

Assist. Prof. Dr. Lida Ebrahimi Vafaei

Department: Mechanical Engineering

My research interest is to use alternative energy sources for example: experimental investigation of the influence of solar radiation on the behavior of opaque transparent insulated walls and compare with the another material for south of building , the check solar collector performance testing, measurement and evaluation of solar radiation by using pyrometer, an investigation maximum power for tracking of photovoltaic system, lighting of wind mill using the wind energy, the measurement of global solar insolation by silicon solar cell in Nicosia, thermal performances of water and heat insulation materials- A case study in Nicosia, Design of buildings, storage of energy and cooling and heating systems by using solar energy in order to obtain maximum efficiency.