

Empirical Model for the Estimation of Global Solar Radiation on Horizontal Surface in Algeria

Authors : Malika Fekih, Abdenour Bourabaa, Rafika Hariti, Mohamed Saighi

Abstract : In Algeria the global solar radiation and its components is not available for all locations due to which there is a requirement of using different models for the estimation of global solar radiation that use climatological parameters of the locations. Empirical constants for these models have been estimated and the results obtained have been tested statistically. The results show encouraging agreement between estimated and measured values.

Keywords : global solar radiation, empirical model, semi arid areas, climatological parameters

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