Abstract

The carbon footprints define the release of the carbon dioxide in the environment in the wake of the enormous practices. The networking devices consume the larger amount of the energy, which can be significantly reduced by using the energy efficient mechanisms. The carbon emission is responsible for the green house impact, which is the primary reason for the rise in the temperature on the earth. In this paper, the new model for the smarter routing has been proposed for the propagation of the data among the wireless networks. The proposed model has been specifically designed for the energy efficient practices for the reduction of the carbon emission from the wireless networks which involves the wireless node and the wireless BTS. The proposed model has been evaluated under the variety of the experiments, where the proposed model has been found efficient in the terms of the network parameters. The proposed model results have described the proposed model has the most efficient than the existing model as per described in the results section.

**Index Terms**

Computer Science  
Communications

**Keywords**

Carbon emission reduction, Carbon Footprints, CO2, Energy efficiency.