Nodes in wireless Ad hoc network have fixed battery life time. If nodes are used continuously for transmission of data packets, extra energy is needed by that node and after proper amount of time the energy level may not be sufficient for data transmission resulting in link failure. In this paper, two energy routing algorithm-Minimum power consumption Routing (MPCR) & Minimum Battery cost Routing (MBCR) have considered and studied their performances in terms of power required for the same network geometry. Simulations are carried out using MATLAB. Finally from the simulation results concluded that MBCR consumes less overall power as compare to MPCR.

References

- Krishan Kumar Raman, Manav Rachna; Transmission energy management for wireless ad-hoc network; 978-1-4799-2995-5/14/$31.00©2014IEEE.
- C. Siva Ram Murthy and B. S. Manoj; Ad Hoc Wireless Networks Architectures and Protocols; Pearson Education Inc. p. no. 600-623.

**Index Terms**

Computer Science Wireless

**Keywords**

MPCR MBCR Energy management Power consumption