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## Abstract

A Mobile Ad-hoc Network (MANET) is a collection of mobile nodes communicating and cooperating with each other without any pre-determined topology. The mobile node in the network operates not only as a host but also as a router in forwarding packets to other mobile nodes in the network. Each node contains a limited resource constraint such as battery power, bandwidth, etc. Since nodes are dynamic, energy drains quickly. Energy consumption and selecting an efficient path between source and destination are the major challenges in this type of network. Lots of approaches have been proposed in developing an energy efficient route. This paper presents some of the latest approaches that provide an energy efficient route in

delivering the packets from source to destination and also enhance the lifetime of the network.

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### Index Terms

Computer Science

Wireless

**Keywords**

Manet Energy Efficient Route Survey Network Lifetime