ABSTRACT

Depending on global telecommunications networks and applying the concept of Internet of Things (IOT) in several applications led to make the need of wireless sensor networks (WSNs) higher than beforein order toachieve a set of basic requirements such as connectivity with networks without human intervention.However, many challenges have appeared and madeWSNs to be targeted by many groups and institutions due toseveral advantageslike using such networks for personal needs or to exploitthem in terms of collecting data for analysis. Nowadays, the security issues for WSN are one of the major challenges which acquire different types of security threats that may causeor appear during the deployment of wireless sensors infrastructure. In addition to that, the restrictions in the process of energy consumption impose a big challenge because of the slow progress in battery technology. Basedon several detailed research papers and resources from different aspects that are related to this issue,this paper discusses the challenges which include differentkinds of attacks in WSNs, degree of reliability, energy and susceptibility for programming.