

***Title:***

**A Blockchain Approach to Mitigate Information Security in a Public Organization for Ecuador**

***Abstract:***

It was analysed in a general way and the security problem of the public organizations of Ecuador was determined. The objective is to generate a prototype in a blockchain diagram, based on an algorithm using flowchart techniques to provide robustness against failures, third-party attacks and mitigate information vulnerabilities. The deductive and exploratory research method was used in order to analyse the information available in the medium and scientific articles. Resulted an algorithm developed through flow diagram techniques to improve the processing of information in a public organization in Ecuador from the use of the Blockchain technology and the use of the SHA 256 algorithm. It was concluded that access to the data to a generic public organization of Ecuador will have an alternative to improve the security of the information with the implementation of the blockchain.