Abstract

This paper presents a novel symmetric algorithm in the area of DNA cryptography. Secure Data Transfer is an important factor for data transmission. The transmission of information can be of local or of global scope. But it is mandatory to secure information from unauthorized access. Security is very important factor encryption. This method proposes a secured symmetric key generation process which generates initial cipher and this initial cipher is then converted into final cipher using random key generated DNA sequences, so as to make it complicated.

References

Secure Data Transfer through DNA Cryptography using Symmetric Algorithm

Applications Vol 1, 2010.

Index Terms

Computer Science

Algorithms

Keywords
Bio-inspired computing, Symmetric Encryption, Random key, Symmetric key.