

**Dr.M.Brindha,**

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**List of Publications**

1. A novel chaotic butterfly network topology based block scrambling and crown graph based bit-wise diffusion for image encryption  
Letter Frontiers of Computer Science, **Volume 15, Year 2021**
2. An Unsupervised Searching Scheme over Encrypted Cloud Database  
Conference Paper Advances in Intelligent Systems and Computing, **Volume 1176, Year 2021, Pages 727-735**
3. Detection and Classification of Faults in Photovoltaic System Using Random Forest Algorithm  
Conference Paper Advances in Intelligent Systems and Computing, **Volume 1176, Year 2021, Pages 765-773**
4. Personalised Structure Balance Theory-Based Movie Recommendation System  
Conference Paper Advances in Intelligent Systems and Computing, **Volume 1176, Year 2021, Pages 43-53**
5. Molecular Docking Analysis of CFTR Inhibitors  
Conference Paper 2020 6th International Conference on Bio Signals, Images, and Instrumentation, ICBSII 2020, **Year 2020**
6. A novel conditional Butterfly Network Topology based chaotic image encryption  
Article Journal of Information Security and Applications, **Volume 52, Year 2020**
7. Secure Similar Image Search and Copyright Protection over Encrypted Medical Image Databases  
Article IRBM, **Year 2020**
8. Privacy preserving cloud based secure digital locker using Paillier based difference function and chaos based cryptosystem  
Article Journal of Information Security and Applications, **Volume 53, Year 2020**
9. A novel dynamic chaotic image encryption using butterfly network topology based diffusion and decision based permutation  
Article Multimedia Tools and Applications, **Year 2020**
10. Analysis of zig-zag scan based modified feedback convolution algorithm against differential attacks and its application to image encryption  
Article Applied Intelligence, **Year 2020**

11. A chaos based image encryption algorithm using Rubik's cube and prime factorization process (CIERPF)

Article Journal of King Saud University - Computer and Information Sciences, **Year** 2020

12. A secure image encryption algorithm based on a parametric switching chaotic system

Article Chinese Journal of Physics, **Volume** 62, **Year** 2019, **Pages** 26-42

13. Edge detection based boundary box construction algorithm for improving the precision of object detection in YOLOv3

Conference Paper 2019 10th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2019, **Year** 2019

14. Confidentiality, integrity and authentication of DICOM medical images

Brindha, M.

Conference Paper Proceedings of the 2nd International Conference on Inventive Systems and Control, ICISC 2018, **Year** 2018, **Pages** 71-75

15. Digital camera with real time chaotic image encryption

Brindha, M.

Conference Paper Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2017, **Year** 2018, **Pages** 227-230

16. Multiple stage image encryption using chaotic logistic map

Brindha, M.

Conference Paper Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2017, **Year** 2018, **Pages** 1239-1243

17. Moving object tracking using FPGA

Devipriya, M.;Brindha, M.

Conference Paper Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2017, **Year** 2018, **Pages** 466-469

18. Periodicity analysis of Arnold Cat Map and its application to image encryption

Brindha, M.

Conference Paper Proceedings of the International Conference on Inventive Computing and Informatics, ICICI 2017, **Year** 2018, **Pages** 495-498

19. A realtime image encryption based on chaos

Devipriya, M.;Brindha, M.

Conference Paper Proceedings of the International Conference on Inventive Computing and Informatics, ICICI 2017, **Year** 2018, **Pages** 367-371

20. Confidentiality, Integrity and authentication of DICOM medical images

M. Brindha

conference paper 2nd International Conference on Inventive Systems and Control (ICISC 2018), **Year** 2018

21. Shot change detection on news videos using color histogram and edge based approaches

Brindha, M.;Amsaveni, R.

Conference Paper 2016 IEEE International Conference on Advances in Computer Applications, ICACA 2016, **Year** 2017, **Pages** 50-54

22. Periodicity Analysis of Arnold cat map and its application to image encryption

M. Brindha

conference paper Inventive Computing and Informatics (ICICI 2017), IEEE Publishers), **Year** 2017

23. Multiple stage image encryption using chaotic logistic map

M. Brindha

conference paper International Conference on Intelligent Sustainable Systems (ICISS 2017), **Year** 2017

24. A Real Time Image Encryption based on chaos

M. DeviPriya, M. Brindha

conference paper International Conference on Inventive Computing and Informatics (ICICI 2017), **Year** 2017

25. Moving Object Tracking using FPGA

M. Devipriya, M. Brindha

conference paper International Conference on Intelligent Sustainable Systems (ICISS 2017), **Year** 2017

26. Digital camera with real time chaotic image encryption

M. Brindha

conference paper International Conference on Intelligent Sustainable Systems (ICISS 2017), **Year** 2017

27. Recursively seeded image encryption algorithm

Ramamoorthy, Vidhya;Murugan, Brindha

conference paper ICoAC 2017, **Year** 2018  
DOI:10.1109/ICoAC.2017.8441480

28. A novel dynamic Key based chaotic image encryption”

R. Vidhya, M. Brindha

conference paper National workshop on cryptology (NWC) 2017, **Year** 2017

29. A chaos based image encryption and lossless compression algorithm using hash table and Chinese Remainder Theorem

Brindha, M.; Ammasai Gounden, N.

Article Applied Soft Computing Journal, **Volume** 40, **Year** 2016, **Pages** 379-390

30. A chaos based image encryption and lossless compression algorithm using hash table and Chinese Remainder Theorem

M.Brindha & N.Ammasai Gounden

article Applied Soft Computing(Elsevier), **Year** 2016

31. Image encryption scheme based on block-based confusion and multiple levels of diffusion

M.Brindha & N.Ammasai Gounden

article IET Computer Vision, **Volume** Vol.10, Issue.6, **Year** 2016, **Pages** 593-602

32. A hybrid image encryption algorithm using chaos and conway's game-of-life cellular automata

M.Brindha, N. Ammasai Gounden. and M. sriram

article Security and Communication Networks (Wiley), **Year** 2015