

1. Paul, M., Mandal, J.K., "A Novel Generic Session based Bit Level Cryptographic Technique based on Magic Square Concept, International Conference on Global Innovations in Technology and Science(ICGITS2013), Saintgits College of Engineering, Kottayam, Kerala, 4-6th April, 2013.
2. Paul, M., Mandal, J.K., "A Novel Symmetric Key Cryptographic Technique at Bit Level Based on Spiral Matrix Concept, International Conference on IT, Electronics and Communications(ICITEC-2013),(ISBN:978-93-82359-35-7), Bangalore, 30-31 March,2013
3. Mandal, J. K., Chakraborty, A., "A GIS Anchored Technique to obtain Optimal Path through Minimal Alteration of Land type",CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.273-279, Bangalore, India., 2013
4. Nandi, U., Mandal, J. K., "Fractal Image Compression with Adaptive Quadratic Partitioning", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.289-296, Bangalore, India, 2013
5. Mandal, J. K., Ghosal S. K., "A Fragile Watermarking based on Binomial Transform in Color Images", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.281-288, Bangalore, India, 2013
6. Mandal, J. K., Ghosal S. K., "Legendre Transformation based Color Image Authentication(LTCIA)",CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.265-272, Bangalore, India, 2013
7. Mondal, U, Mandal, J. K., "An Analytical Approach to Generate Unique Song Signal(AUSS)",CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.09-216, Bangalore, India, 2013.
8. Mandal, J. K and Hassan, K L., "Agent based Intrusion Detection System in MANET",CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.201-208, Bangalore, India, 2013.
9. Sengupta, M, Mandal, J K, "Image Coding through Z-Transformation with Low Energy and Bandwidth(IZEB)", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.225-232, Bangalore, India, 2013.

10. Sarkar, A, Mandal, J. K., "Secured wireless communication through Simulated Annealing Guided Triangularized Encryption by Multilayer Perceptron generated Session Key(SATMLP)", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.217-224, Bangalore, India, 2013.
11. Mandal J K and Ghosh, A., "Edge Detection by Modified Otsu Method", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20,2013,pp.233-240, Bangalore, India, 2013.
12. Sengupta, M and Mandal, J. K., "Self Authentication of Images through Daubechies Transform Technique(SADT), First International Conference on Intelligent Infrastructure in conjunction with CSI-2012,Kolkata,1-2 December,2012, ISBN -13:978-1-25-906170-7, Published by McGraw Hill Professional, New Delhi, pp.249-252,2012.
13. J K Mandal and Aparna Sarkar, "A Modified Directional Weighted Cascaded-Mask Median Filter for Removal of Random Impulse Noise", Second International Conference on Computer Science, Engineering & Applications (ICCSEA-2012), paperID-44, May 26 ~ 27, 2012, Delhi, India.
14. J K Mandal and Deabashis Das, "Steganography using Adaptive Pixel Value Differencing (APVD) of Gray Images Through Exclusion of Overflow/Undflow" Second International Conference on Computer Science, Engineering & Applications (ICCSEA-2012), paperID-45, May 26 ~ 27, 2012, Delhi, India.
15. Jyotsna Kumar Mandal and Sudipta Ghoshal," A High Payload Steganographic Technique for Color Images (HPST)", The International Conference on Information Systems Design and Intelligent Applications-2012,(INDIA-2012),USISBN:978-981-07-1158-0, 5-7 January, 2012, pp. 65-70, Visakhapatnam, 2012.
16. Jyotsna Kumar Mandal and Subhankar Ghatak, "Visual Cryptographic Protocol through Transform based Encoding Embedded into Meaningful Shares (VCPTE)", The International Conference on Information Systems Design and Intelligent Applications-2012(INDIA-2012),US-ISBN: 978-981-07-1158-0,5-7 Jan, 2012, Visakhapatnam, 2012.
17. Rajdeep Chakraborty, Sridipta Misra, Sunit Kumar Agarwal, Vineet Khemka, Sonam Agarwal and J. K. Mandal, "Efficient Hardware Realization of Triple Data Encryption Standard (TDES) Algorithm using Spartan-3E FPGA", International Conference on Issues and Challenges in Networking, Intelligence and Computing (ICNICT 2011),2-3 September, 2011,Ghaziabad, Department of Computer Science and Engineering, Krishna Institute of Engineering and Technology (KIET), India,Computer Society of India (Ghaziabad Chapter), International Neural Network Society (India Regional Chapter), International Journal of Advanced Research in Computer Science and Ubiquitous Computing and Communication Journal, and published by Nandani Prakashan Pvt. Ltd., New Delhi, India, ISBN – 978-93-81126-27-1, pp 60 – 63,2011.

18. Mandal J. K., Som, Subhranil, Kundu, S, "Artificial Intelligence Based Compression and Elliptic Curve Based Encryption Technique Over Binary Finite Field", Proceeding of International Conference on Convergence of Optics and Electronics, March 26-27, 2011, Science City Kolkata, India COE2011, pp. 30-36, ISBN :978-81-906401-1-4, 26-27th March, 2011.
19. J.K. Mandal and A. Khamrui, "A Data Embedding Technique for Gray scale Image Using Genetic Algorithm (DEGGA)" (SP_2011_2001), IEEE sponsored International Conference on Communication, Computing & Security (Proceedings by Excel India Publishers ISBN-978-93-80697-505), NIT Rourkela, 7-9 Jan, 2011, pp.19-22, 2011.
20. P.K.Jha, J.K.Mandal, G.P.Sharma, "Design of A Cryptographic Protocol Using Recursive Pairs & Bitwise Operation on A Block (RPBOB)", IEEE sponsored International Conference on Communication, Computing & Security (Proceedings Excel India Publishers ISBN-978-93-80697-505), NIT Rourkela, Paper ID:CI_2011_5005, 7-9 Jan, 2011, pp.399-402, 2011.
21. Dr. Pawan Kumar Jha, Dr. Jyotsna Kumar Mandal, "Space Efficient Cryptographic Protocol Using Recursive Bitwise & Pairs Of Bits Of Operation (RBPBO)", Proceeding of International Conference on Computing and Systems ICCS-2010, ISBN 93-80813-01-05, pp 11-15, Burdwan, November, 2010.
22. Mr. Nikhilesh Barik, Dr. Sunil Karforma, Dr. Jyotsna Kumar Mandal, Ms. Arpita Ghosh Proceeding of International Conference on Computing and Systems ICCS-2010, pp 80-85 Burdwan, November, 2010.
23. J.K Mandal, Nabin Ghoshal, "Image Authentication Technique in Frequency Domain based on Discrete Fourier Transformation (IATFDDFT)". Proceeding of International Conference on Computing and Systems ICCS-2010, Burdwan, November, 2010.
24. J.K. Mandal, Madhumita Sengupta, "Self Authentication of color image through Wavelet Transformation Technique (SAWT)". Proceeding of International Conference on Computing and Systems ICCS-2010, pp 151-155 Burdwan, November, 2010.
25. J.K. Mandal, Subhankar Ghatak, "A Novel Technique For Secret Message / Image Transmission Through (2,2) Visual Cryptographic Protocol", Proceeding of International Conference on Computing and Systems ICCS-2010, pp 175-181, Burdwan, November, 2010.
26. J.K. Mandal, S. Mukhopadhyay, "A Novel Directional Weighted Minimum Deviation (DWMD) Based Filter for Removal of Random Valued Impulse Noise", Proceeding of International Conference on Computing and Systems ICCS-2010, pp 214-220, Burdwan, November, 2010.
27. J.K Mandal, Arindam Sarkar, "Neural Network Guided Secret Key based Encryption through Cascading Chaining of Recursive Positional Substitution of Prime Non-Prime (NNSKECC)", Proceeding of International Conference on Computing and Systems ICCS-2010, pp 291-298, Burdwan, November, 2010.
28. Uttam Kr. Mondal, Satyendra Nath Mandal, J. Pal Choudhury, J. K. Mandal, "A New Approach to Cryptography" published in International Conference on Systemics, Cybermatics and Informatics – ICSCI 2009, held on January 07 – 10, 2009 in Dr. MCR HRD institute, Govt. of Andhra Pradesh, Road No. 25, Jubilee Hills, Hyderabad, pp. 294 – 297, 2009.
29. Uttam Kr. Mondal, Satyendra Nath Mandal, J. Pal Choudhury, J. K. Mandal, "Octant Based Cryptography – An Innovative Approach to Symmetric Key Cryptography"

published in 2009 IEEE International Advance Computing Conference (IACC 2009), Thapar University, Patiala, India, ISBN: 978-1-4244-2927-1, pp. 3484 – 3489, on 6 – 7 March, 2009,

30. Mandal, J. K., Som, S. et al, “Blockwise Bits manipulation Technique(BBMT), “Proc. Of International Conference on Advance Computing(ICAC’09)”, Published by MCMILLAN, pp. 297-302, Tiruchirapalli, India, ISBN 978-0230-63915-7, 6-8 August, 2009.
31. Rajdeep Chakraborty and J.K. Mandal, “A Microprocessor-Based Stream Cipher Through Stream Addition Technique (SAT)”, published in International Conference on Systems, Cybernetics and Informatics (ICSCI 2009), held on January 07-10, 2009 at Hyderabad, India, organized, sponsored and, published by Pentagram Research Center Pvt. Ltd. Hyderabad, India, Volume 1 of 2, pp 41–45, 2009.
32. Mandal, J. K. Chakraborty, R, “Ensuring e-Security through Microprocessor Based Recursive Transposition Technique”, Proceedings of 2nd International Conference on Information Technology, INTL-INFOTECH 2007(ISSN-0973-6824), March 19-21, pp. 62-65, Haldia, India, 2009.
33. J. K. Mandal, Uttam Kr. Mandal, Satyendra Nath Mandal, J. Pal Chaudhury "A New Approach to Cryptography", Proc. International Conference on Systemics, Cybernetics and Informatics (ICSCI 2009), Hyderabad, January 07-10, 2009, pp. 294-297, 2009.
34. P. Halder, J. K. Mandal and P.Dutta, "A Soil Management System Of Tea Garden Using GIS Based Database Management System (GISSMS)", Proc. International Conference on Systemics, Cybernetics and Informatics (ICSCI 2009), Hyderabad, January 07-10, 2009, pp. 569-573, 2009.
35. Mandal, J. K.(co-author) et al, “Image Authentication by hiding Large Volume of Data and Secure Message Transmission Technique using Mask(IAHLVDSMTTM)”,IEEE International Advance Computing Conference (IACC), ISBN:978-981-08-2465-5 March 6-7,2009,pp. 3177-3182 Thapar University, Patiala, Punjab, 2009.
36. J. K. Mandal and M. Das, "Fibonacci Based Position Substitution (FBPS) Encoder for Secured Message Transmission)", IEEE International Advance Computing Conference (IACC), ISBN:978-981-08-2465-5 March 6-7,2009, Thapar University, Patiala, Punjab, 2009.
37. Rajdeep Chakraborty and J.K. Mandal, “Ensuring e-Security through Microprocessor-Based Recursive Transposition Technique (RTT)”, published in 12th International Conference on Information Technology (ICIT 2009), held on December 21-24, 2009, at Bhubaneswar, India, organized and sponsored by IEEE, IEEE Computer Society, Orissa Information Technology Society (OITS), Temple City Institute of Technology and Engineering (TITE), Silicon Institute of Technology, IIIT, NIST, OCAC and Techno India Group (Kolkata), and published by Tata McGraw Hill Education Private Limited, New Delhi, India, ISBN-10: 0-07-068104-0, ISBN-13: 978-0-07-068104-2, pp 66–69,2009.
38. Mandal, J. K, Jha, P.K.,et al, “A Bit-Level Symmetric Encryption Technique Through Recursive Addition of Blocks(RBA)”, International Conference On Electronic Commerce in the 2^{1st} Century(ECIC-2008), June 2-4,2008.

39. Rajdeep Chakraborty and J.K. Mandal, "An Approach Towards Digital Content Protection Through Two Pass Replacement Technique (TPRT)", published in First International Conference on Information Technology (INTL-INFOTECH 2007), held on March 19-21, 2007 at Haldia, INDIA, organized and sponsored by Department of Computer Science and Informatics, Haldia Institute of Technology (HIT), Technical Education Quality Improvement Program (TEQIP), Computer Society of India (CSI) (Kolkata), TEQIP network Partners, University of Calcutta (Kolkata), Govt. College of Engineering and Ceramic Technology (Kolkata), and published by Vitasta Publishing Pvt. Ltd., New Delhi, India, ISBN 81-89766-74-0, pp 62–65, 2007.
40. Mandal, J. K., Jha, P.K., "Encryption through Cascaded Recursive Carry and Session key Arithmetic(CRCSKA)", Proceedings of International Conference on Intelligent Systems (ICIS-07),DMI College of Engineering,Chennai, India,pp-1-8, January 19-20, 2007.
41. Mandal, J. K.,Jha, P.K, Shakya, S., "Encryption through Cascaded Recursive key Rotation of a Session Key and Addition of Blocks(CRKRAB)" Proceedings of First International Conference on Information Technology, INTL-INFOTECH 2007(ISSN-0973-6824), March 19-21,pp. 56-61, Haldia, India, 2007.
42. Mandal, J. K.,. et al, "A Pest Management System of Tea Garden Using GIS Based Database Management System", Proceedings of First International Conference on Information Technology, INTL-INFOTECH 2007(ISSN-0973-6824), March 19-21, pp. 261-264, Haldia, India, 2007.
43. Mandal, J.K., et al, "Weed Control System of Tea Garden Using GIS Based Database Management System", International Conference on Modeling and Simulation CIT, Coimbatorepp. 1252-1257, 27-29 August 2007.
44. Mandal, J. K.,Jha, P.K "Cascated Encryption through Recursive Transposition and key Arithmetic of a Session Key (CRTKA)",Proceedings of International Conference of Indian Recent trends in IT and Soft Computing, Indian Institute of Management Technology, Nov.19-20, IMT, Nagpur,India, pp. 59-71, 2006.
45. Mandal, J. K.,Jha, P.K "Encryption through Cascaded Recursive Session key and Carry Addition(CRSKCA)" Proceedings of First International Conference on Security and Computer Forensics(ISCF-2006), Dec.6-8,pp.19-25,SRM Engineering College, SRM University,(Published by Allied Publishers P. Ltd.), Chennai, India, 2006.
46. Mandal, J. K., Mal, S, and Sinha, S, "Microprocessor Based Encoder Through Selective Positional Orientation of Bits (SPOB), Pro. of International Conference on Cybernetics, Guahati , January 01-03, 2004.
47. Mandal, J. K., Chaudhuri, A.," An Error-Correction Technique for Jcode", Proc.,3rd International Workshop on Telematics, NERIST, India, Dec. 13-16, 1998.
48. Mandal, J. K., Chaudhuri, A., "Clustering Method of Data Compression for Distributed File Systems", Proc. 2nd International Workshop on Telematics, NERIST, India, 19-20 May, 1997.
49. Mandal, J. K., Gangopadhyay, R., "Implementation of two Data Compression Schemes", Proc. Ist International Workshop on Telematics, NERIST, India, 14-15th June,1995.