

List of Publications (209)

in International refereed Journals (122) [SCI/SCIE: 78]

1. Diksha Rangwani and **Hari Om**, “A Robust Four-Factor Authentication Protocol for Resource Mining,” *Arabian Journal for Science and Engineering* 48 (2), pp. 1947-1971, 2023 (SCIE)
2. Pankaj Kumar and **Hari Om**, “An anonymous and authenticated V2I communication with a simplified user revocation and re-registration strategy,” *The Journal of Supercomputing*, Dec. 2022 <https://doi.org/10.1007/s11227-022-04978-3> (SCIE)
3. Kartick Sutradhar and **Hari Om**, “A Privacy-Preserving Comparison Protocol,” *IEEE Trans. on Computers*, pp. 1-8, Oct. 2022. doi: 10.1109/TC.2022.3215640 (SCIE)
4. Diksha Rangwani and **Hari Om**, “4F-MAKA: Four-factor mutual authentication and key agreement protocol for internet of things,” *Peer-to-Peer Networking and Applications*, Sep. 2022. doi.org/10.1007/s12083-022-01382-9 (SCIE)
5. Gaurav Agarwal and **Hari Om**, “A Learning Framework of Modified Deep RNN for Classification and Recognition of Voice Mood,” *Int. Journal of Adaptive Control and Signal Processing*, Vol. 36(8), pp. 1835-1859, 2022. doi.org/10.1002/acs.3425 (SCIE)
6. Pankaj Kumar and **Hari Om**, “Secure and Efficient Cache based Authentication Scheme for Vehicular Ad-hoc Networks,” *Wireless Networks*, Vol. 28, pp. 2821–2836, 2022. doi.org/10.1007/s11276-022-03003-y (SCIE)
7. Pankaj Kumar and **Hari Om**, “A conditional privacy-preserving and desynchronization-resistant authentication protocol for vehicular adhoc network,” *The Journal of Supercomputing*, Vol. 78, pp. 17657–17688, 2022. doi.org/10.1007/s11227-022-04562-9 (SCIE)
8. Pankaj Kumar and **Hari Om**, “A secure and efficient authentication protocol for wireless applications in multi-server environment,” *Peer-to-Peer Networking and Applications*, Vol. 15, pp. 1939–1952, 2022. doi:10.1007/s12083-022-01323-6 (SCIE)
9. Diksha Rangwani and **Hari Om**, “Four-factor Mutual Authentication Scheme for Health-Care based on Wireless Body Area Network,” *The Journal of Supercomputing*, Vol. 78, pp. 5744–5778, 2021. (SCIE)
10. Arun K. Rai, **Hari Om**, and Satish Chand, “High-fidelity reversible data hiding technique based on adaptive pairing of prediction errors,” *Multimedia Tools and Applications*, pp. 1-17, 2022 (SCIE)

11. Kartick Sutradhar and **Hari Om**, “A cost-effective quantum protocol for secure multi-party multiplication,” *Quantum Information Processing*, Vol. 20(11), pp. 1-10, 2021 (**SCIE**)
12. Kartick Sutradhar and **Hari Om**, “Secret Sharing Based Multiparty Quantum Computation for Multiplication,” *Int. Journal of Theoretical Physics*, Vol. 60(9), pp. 3417-3425, 2021(**SCIE**)
13. Gaurav Agarwal and **Hari Om**, “Parallel training models of deep belief network using MapReduce for the classifications of emotions,” *Int. Journal of System Assurance Engineering and Management*, pp. 1-16, 2021.
14. Kartick Sutradhar and **Hari Om**, “Enhanced (t, n) threshold d-level quantum secret sharing,” *Scientific Reports*, Nature Publishing Group, Vol. 11 (1), pp. 1-7, 2021. (**SCIE**).
15. Arun K. Rai, N. Kumar, R. Kumar, **Hari Om**, S. Chand, and K.H. Jung, “Intra-Block Correlation Based Reversible Data Hiding in Encrypted Images Using Parametric Binary Tree Labeling,” *Symmetry*, Vol. 13(6), pp. 1-22, 2021. doi.org/10.3390/sym13061072 (**SCIE**)
16. Ashish Kumar and **Hari Om**, “An enhanced and provably secure authentication protocol using Chebyshev chaotic maps for multi-server environment,” *Multimedia Tools and Applications (Springer)*, Vol. 80, Issue 9, pp.14163-14189, 2021. (**SCIE**)
17. Rishav Singh, Ritika Singh, Aakriti Acharya, Shrikant Tiwari, and **Hari Om**, “Pose and Illumination Invariant Hybrid Feature Extraction for Newborn,” *Recent Advances in Computer Science and Communications*, Vol. 14, Issue 2, pp.368-375, 2021. DOI : 10.2174/2213275912666190328201840
18. Kartick Sutradhar and **Hari Om**, “An Efficient Simulation of Quantum Secret Sharing,” arXiv preprint arXiv:2103.11206
19. Diksha Rangwani and **Hari Om**, “A Secure User Authentication Protocol based on ECC for Cloud Computing Environment,” *Arabian Journal for Science and Engineering (Springer)*, Vol. 46, Issue 4, pp.3865-3888, 2021. (**SCIE**)
20. Kartick Sutradhar and **Hari Om**, “An Efficient Simulation for Quantum Secure Multiparty Computation,” *Scientific Reports*, Nature Publishing Group, Vol. 11 (1), pp. 1-9, 2021. (**SCIE**)
21. Gaurav Agarwal and **Hari Om**, “An Efficient Supervised Framework for Music Mood Recognition Using Autoencoder Based Optimized Support Vector Regression Model,” *IET Signal Processing*, Vol. 15 (2), pp. 98-121, 2021. (**SCIE**)

22. Gaurav Agarwal and **Hari Om**, “Performance of Deer Hunting Optimization Based Deep Learning Algorithm for Speech Emotion Recognition,” *Multimedia Tools and Applications* (**Springer**), Vol. 80 (7), pp. 9961-9992, 2021. (**SCIE**)
23. Kartick Sutradhar and **Hari Om**, “Hybrid Quantum Protocols for Secure Multiparty Summation and Multiplication,” *Scientific Reports*, Nature Publishing Group, Vol. 10 (1), pp. 1-9, 2020. (**SCIE**)
24. Usha Sharma, **Hari Om**, and A.N. Mishra, “A Robust Feature Extraction with Dual Fusion aided Extreme Learning for Audio-Visual Hindi Speech Recognition,” *Journal of Scientific and Industrial Research*, Vol. 13, Issue 13, pp. 383-386, May 2020. (**SCIE**)
25. Kartick Sutradhar and **Hari Om**, “A Generalized Quantum Protocol for Secure Multiparty Summation,” *IEEE Trans. on Circuits and Systems II: Express Briefs*, April 2020, DOI: 10.1109/TCSII.2020.2989447 (**SCIE**)
26. Kartick Sutradhar and **Hari Om**, “Efficient Quantum Secret Sharing Without a Trusted Player,” *Quantum Information Processing* (**Springer**), Vol.19, Issue 2, Feb. 2020. (**SCIE**)
27. C.S. Prakash, **Hari Om**, and Sushila Maheshkar, “Authentication of Medical Images using Passive Approach,” *IET Image Processing*, Vol. 13, Issue 13, pp. 2420-2427, 2019. DOI: 10.1049/iet-ipr.2018.6035 (**SCIE**)
28. C. S. Prakash, P.P.Panzade, **Hari Om**, and Sushila Maheshkar, “Detection of copy-move forgery using AKAZE and SIFT keypoint extraction,” *Multimedia Tools and Applications* (**Springer**), Vol. 78(16), pp. 23535-23558, 2019. <https://link.springer.com/article/10.1007/s11042-019-7629-x> (**SCIE**)
29. Amit Kumar, and **Hari Om**. “Design of USIM and ECC based handover authentication scheme for 5G-WLAN heterogeneous networks,” *Digital Communications and Networks* (**Elsevier**) (2019). <https://doi.org/10.1016/j.dcan.2019.07.003> (**SCIE**)
30. Nilam Upasani and **Hari Om**, “A modified neuro-fuzzy classifier and its parallel implementation on modern GPUs for real time intrusion detection,” *Applied Soft Computing* (**Elsevier**). <https://doi.org/10.1016/j.asoc.2019.105595> (**SCI**)
31. Pradeepika Verma, S.K.Pal, and **Hari Om**, “A Comparative Analysis on Hindi and English Extractive Text Summarization,” *ACM Trans. on Asian and Low-Resource Language Information Processing (TALLIP)* (2019) (**SCIE**)
32. Pradeepika Verma and **Hari Om**, “A Novel approach for text summarization using optimal combination of sentence scoring methods,” *Sadhana, Academy Proceedings in Engineering Sciences*, Indian Academy of Sciences (**Springer**) (**SCIE**)

33. Pradeepika Verma and **Hari Om**, "MCRM: Maximum coverage and relevancy with minimal redundancy based multi-document summarization Collaborative ranking based text summarization using a metaheuristic approach," *Expert Systems with Applications (Elsevier)*, Vol.120, pp. 43-56. <https://doi.org/10.1016/j.eswa.2018.11.022> (SCIE)
34. C. S. Prakash, **Hari Om**, Sushila M. and Vikas M., "Keypoint-based passive method for image manipulation detection," *Cogent Engineering*, Vol. 5(1), pp. 1-19, 2018. <https://doi.org/10.1080/23311916.2018.1523346>.
35. Nilam Upasani and **Hari Om**, "Optimized Fuzzy min-max neural network: an efficient approach for supervised outlier detection," *Neural Network World*, Vol. 4, pp. 285-303, 2018. DOI:<http://dx.doi.org/10.14311/NNW.2018.28.017>. (SCIE)
36. N. Mazumdar and **Hari Om**, "Distributed fuzzy approach to unequal clustering and routing algorithm for wireless sensor networks," *Int. Journal of Communication Systems (Wiley)*.<https://doi.org/10.1002/dac.3709>. (SCIE)
37. Amit Kumar and **Hari Om**, "Handover Authentication Scheme for Device-to-Device Outband Communication in 5G-WLAN Next Generation Heterogeneous Networks," *Arabian Journal for Science and Engineering*. <https://doi.org/10.1007/s13369-018-3255-6>. (SCIE)
38. Ravi Sankar Sangam and **Hari Om**, "Equi-Clustream: A framework for clustering time evolving mixed data," *Advances in Data Analysis and Classification (Springer)*, pp. 1-23, 2018.<https://doi.org/10.1007/s11634-018-0316-3>. (SCIE)
39. Ravi Sankar Sangam and **Hari Om**, "An equi-biased k-prototypes algorithm for clustering mixed type data," *Sadhana, Academy Proceedings in Engineering Sciences, Indian Academy of Sciences (Springer)*. <https://doi.org/10.1007/s12046-018-0823-0> (SCIE)
40. Preeti Chandrakar and **Hari Om**, "An Extended ECC Based Anonymity Preserving Three-Factor Remote Authentication Scheme Usable in TMIS," *Int. Journal of Communication Systems (Wiley)*. <https://doi.org/10.1002/dac.3540>. (SCIE)
41. Sunil K. Gautam and **Hari Om**, "Intrusion detection in RFID System using Computational Intelligence Approach for Underground Mines," *Int. Journal of Communication Systems (Wiley)*. DOI: 10.1002/dac.3532. (SCIE)
42. Ashish Kumar and **Hari Om**, "An improved and secure multi-server authentication scheme based on biometrics and smartcard," *Digital Communications and Networks (Elsevier)*. DOI: 10.1016/j.dcan.2017.09.004. (SCIE)

43. Manish Kumar and **Hari Om**, "Protein Structure Prediction and Classification based on Biogeography Technique," *Int. Journal of Basic and Applied Research*, pp. 99-104, Vol. 22, Issue 3, 2017.
44. **Hari Om** and Subhasish Banerjee, "A Password authentication Method for Remote Users based on Smart Card and password using Biometrics," *Journal of Discrete Mathematical Sciences & Cryptography (Taylor & Francis)*, pp. 595-610, Vol. 20, Issue 3, 2017.
45. **Hari Om** and Shipra Kumari, "Comment and modification of RSA based remote password authentication using smart card," *Journal of Discrete Mathematical Sciences & Cryptography (Taylor & Francis)*, pp. 625-635, Vol. 20, Issue 3, 2017.
46. Preeti Chandrakar and **Hari Om**, "An Efficient Two-Factor Remote User Authentication and Session Key Agreement Scheme Using Rabin Cryptosystem," *Arabian Journal for Science and Engineering*. DOI 10.1007/s13369-017-2709-6. (SCIE)
47. N. Mazumdar and **Hari Om**, "DUCR: Distributed Unequal Cluster based Routing algorithm for heterogeneous wireless sensor networks," *Int. Journal of Communication Systems (Wiley)*, DOI: 10.1002/dac.3374. (SCIE)
48. Preeti Chandrakar and **Hari Om**, "A Secure and Robust Anonymous Three-factor Remote User Authentication Scheme For Multi-Server Environment Using ECC," *Computer Communications (Elsevier)*, Vol. 110, pp. 26-34, Sept. 2017. (SCIE)
49. Mantosh Biswas and **Hari Om**, "A Hybrid Image Denoising Technique using Neighbouring Wavelet Coefficients," *Frontiers in Signal Processing*, Vol. 1, No. 1, pp. 41-48, July 2017.
50. Preeti Chandrakar and **Hari Om**, "Cryptanalysis and Improvement of a Biometric Based Remote User Authentication Protocol Usable in Multi-Server Environment," *Transactions on Emerging Telecommunications Technologies (Wiley)*. DOI:10.1002/ett.3200. (SCIE)
51. Neha Sharma and **Hari Om**, "Hybrid Framework using Data Mining Techniques for Early Detection and Prevention of Oral Cancer," *Int. Journal of Advanced Intelligence Paradigms*, Vol. 11, DOI: 10.1504/ijaip.2019.10004660.
52. Shipra Kumari and **Hari Om**, "Cryptanalysis and Improvement of an anonymous multi-server authenticated key agreement scheme," *Wireless Personal Communications (Springer)*. DOI:10.1007/s11277-017-4310-4 (SCIE)
53. Ravi Sankar Sangam and **Hari Om**, "K-modestream algorithm for clustering categorical data streams," *CSI Transactions on ICT (Springer)*, April 2017. DOI:10.1007/s40012-017-0170-z

54. Rishav Singh and **Hari Om**, “Newborn face recognition using deep convolutional neural network,” *Multimedia Tools and Applications* (**Springer**), pp. 1-11, Feb. 2017. DOI: 10.1007/s11042-016-4342-x. (**SCIE**)
55. N. Mazumdar and **Hari Om**, “Distributed fuzzy logic based Energy-aware and Coverage preserving Unequal Clustering algorithm for Wireless Sensor Networks,” *Int. Journal of Communication Systems*, Vol.30(13), Feb. 2017. (**SCIE**)
56. Preeti Chandrakar and **Hari Om**, “Cryptanalysis and Extended Three-Factor Remote User Authentication Scheme in Multi-Server Environment,” *Arabian Journal for Science and Engineering*, Vol. 42(2), pp. 765–786, Feb. 2017. (**SCIE**)
57. Sunil K. Gautam and **Hari Om**, “K-Means Cluster based Intrusion Detection System for Wireless Sensor Networks,” *Int. Journal of Computer Science and Information Security (USA)*, pp. 982-991, Vol. 14, No. 9, 2016.
58. Prajnamaya Dass, Pranay Kumar Saha, and **Hari Om**, “Improved Traceable-Resistant Efficient Authentication Schemes for Wireless Networks,” *Int. Journal of Business Data Communications and Networking*, Vol. 12, Issue 2, July-Dec. 2016.
59. Amit Kumar and **Hari Om**, “Lightweight, ECC based RFID Authentication Scheme for WLAN,” *Int. Journal of Business Data Communications and Networking*, Vol. 12, Issue 2, July-Dec. 2016.
60. Preeti Chandrakar and **Hari Om**, “A Secure Two-Factor Remote User Authentication and Session Key Agreement Scheme,” *Int. Journal of Business Data Communications and Networking*, Vol. 12, Issue 2, July-Dec. 2016.
61. Rishav Singh and **Hari Om**, “(Two-dimensional)² whitening reconstruction for newborn,” *Multimedia Tools and Applications* (**Springer**) (**Springer**), pp. 1-13, Aug. 2016. DOI:10.1007/s11042-016-3731-5. (**SCIE**)
62. Shipra Kumari and **Hari Om**, “Remote login password authentication scheme using tangent theorem on circle,” *Int. Journal of Convergence Computing*, Vol.2, No.1, pp. 93-106, 2016.
63. Shipra Kumari and **Hari Om**, “Authentication Protocol for Wireless Sensor Networks Applications like Safety Monitoring in Coal Mines,” *Computer Networks* (**Elsevier**), Vol. 104, July 2016, pp. 137-154. (**SCIE**)
64. Pratik Ranjan and **Hari Om**, “An Efficient Remote User Password Authentication Scheme based on Rabin’s Cryptosystem,” *Wireless Personal Communications* (**Springer**), Vol. 90(1) pp. 217–244, Sept. 2016. (**SCIE**)

65. Mantosh Biswas and **Hari Om**, “A New Adaptive Image Denoising Method,” Journal of The Institution of Engineers (**Springer**): Series B, Vol. 97(1), pp. 1-10, March 2016.
66. **Hari Om** and Mantosh Biswas, “A New Adaptive Image Denoising Method based on Neighboring Coefficients,” Journal of The Institution of Engineers (**Springer**): Series B, Vol. 97(1), pp. 11-19, March 2016.
67. Rishav Singh and **Hari Om**, “Illumination invariant face recognition of New born using single gallery image,” Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (**Springer**) Vol. 86(3), pp. 371–376, Sept. 2016. (**SCIE**)
68. Shipra Kumari and **Hari Om**, “Remote Login Authentication Scheme based on Bilinear Pairing and Fingerprint,” KSII Trans. on Internet and Information Systems, Vol. 9, No. 12, pp. 4987-5014, Dec. 2015. (**SCIE**)
69. Neha Sharma and **Hari Om**, “GMDH polynomial and RBF neural network for oral cancer classification,” Network Modeling Analysis in Health Informatics and Bioinformatics (**Springer**), Vol.4, Issue 1, June 2015.
70. Neha Sharma and **Hari Om**, “Usage of Probabilistic and General Regression Neural Network for Early Detection and Prevention of Oral Cancer,” The Scientific World Journal, Vol. 2015, pp. 1-11, 2015. DOI: <http://dx.doi.org/10.1155/2015/234191>
71. **Hari Om**, Vishavdeep Goyal, and Kunal Gupta, “A 3-D Geometry based Remote Login 2-Way Authentication Scheme using Smart Card,” Int. Journal of Computer Network and Information Security, Vol. 7, No. 8, pp. 72-79, 2015.
72. Chiranjeevi Manike and **Hari Om**, “Modified GUIDE (LM) algorithm for mining maximal high utility patterns from data streams,” Int. Journal of Computational Intelligence Systems (**Taylor & Francis**), Vol. 8(3), pp. 517-529, 2015. (**SCIE**)
73. Ravi Sankar Sangam and **Hari Om**, “Hybrid Data Labeling Algorithm for Clustering Large Mixed Type Data,” Journal of Intelligent Information Systems (**Springer**), Vol. 45, Issue 2, pp. 273-293, Oct. 2015. (**SCIE**)
74. Neha Sharma and **Hari Om**, “Using MLP and SVM for Predicting Survival Rate of Oral Cancer Patients,” Network Modeling Analysis in Health Informatics and Bioinformatics (**Springer**), Vol.3, Issue 1, Dec. 2014.
75. **Hari Om** and Mantosh Biswas, “An Adaptive Image Denoising method based on Local Parameters Optimization,” Sadhana, Academy Proceedings in Engineering Sciences, Indian Academy of Sciences, Vol. 39, Part 4, pp. 879–900, Aug. 2014. (**SCIE**)

76. Neha Sharma and **Hari Om**, "Comparing the Performance of Data Mining Tools: WEKA and DTREG," *Int. Journal of Scientific & Engineering Research*, Vol. 5(4), pp. 911-918, 2014.
77. **Hari Om** and M. Biswas, "MMSE based MAP Estimation for Image Denoising," *Optics & Laser Technology (Elsevier)*, Vol. 57, pp. 252–264, April 2014. (**SCI/SCIE**)
78. Neha Sharma and **Hari Om**, "Extracting Significant Patterns for Oral Cancer Detection Using Apriori Algorithm," *Intelligent Information Management*, Vol. 6(2), pp. 30-37, March 2014.
79. Neha Sharma and **Hari Om**, "Cascade Correlation Neural Network Model for Classification of Oral Cancer," *WSEAS Trans. on Biology and Biomedicine*, Vol. 11, pp. 45-51, 2014.
80. Neha Sharma and **Hari Om**, "Early Detection and Prevention of Oral Cancer: Association Rule Mining on Investigations," *WSEAS Trans. on Computers*, Vol. 13, pp. 1-8, 2014.
81. **Hari Om** and Mantosh Biswas, "An Adaptive Image Denoising Method based on Thresholding," *WSEAS Trans. on Signal Processing*, Vol. 10, pp. 1-8, 2014.
82. Neha Sharma and **Hari Om**, "Using Data Mining for Oral Cancer Risk Stratification in terms of Age, Gender and Socioeconomic Status," *Advances in Medical Informatics (Bioinformatics journal)*, Vol. 3(1), pp. 37-40, Dec. 2013.
83. Neha Sharma and **Hari Om**, "Significant Patterns for Oral Cancer Detection: Association Rule on Clinical Examination and History Data," *Network Modeling Analysis in Health Informatics and Bioinformatics (Springer)*, Vol. 2(4), Dec. 2013.
84. Neha Sharma and **Hari Om**, "Data mining models for predicting oral cancer survivability," *Network Modeling Analysis in Health Informatics and Bioinformatics (Springer)*, Vol. 2, Issue 4, pp. 285-295, Dec. 2013.
85. Mantosh Biswas and **Hari Om**, "An Image Denoising Method Using Selected Scale Parameter," *Int. Journal of Information Engineering*, Vol. 3(3), pp. 66-70, Sept. 2013.
86. **Hari Om** and M. Ramakrishna Reddy, "Geometric based Remote Password Authentication Using Biometric," *Journal of Discrete Mathematical Sciences & Cryptography (Taylor & Francis)*, Vol. 16 (4&5), pp. 207-220, Aug. & Oct. 2013.
87. Nilam Upasani and **Hari Om**, "Comparison of Fuzzy-Neural Clustering based Outlier Detection Techniques," *Int. Journal of Computer Engineering and Technology (IJCET)*, Vol. 4, Issue 4, pp. 422-431, July-August, 2013.

88. **Hari Om** and Mantosh Biswas, "A Generalized Image Denoising Method Using Neighbouring Wavelet Coefficients," Signal Image and Video Processing (**Springer**), Vol. 7(2), March 2013. (**SCIE**)
89. Mantosh Biswas and **Hari Om**, "An Image Denoising Threshold Estimation Method," Advances in Computer Science and its Applications, Vol. 2, No. 3, pp. 377-381, 2013.
90. **Hari Om** and Alok K. Gupta, "Design of Host based Intrusion Detection System using Fuzzy Inference Rule," Int. Journal of Computer Applications, Vol. 64(9), pp. 39-46, Feb. 2013.
91. **Hari Om** and Mantosh Biswas, "A Hybrid Image Denoising Method," Int. Journal of Computer Applications, Vol. 58(3), pp. 21-26, Nov. 2012.
92. **Hari Om** and Tanmoy Hazra, "Statistical Techniques in Anomaly Intrusion Detection System," Int. Journal of Advances in Engineering & Technology, Vol.5, Issue 1, pp. 387-398, Nov. 2012.
93. Neha Sharma and **Hari Om**, "Usage of Data Mining Techniques for Early Detection and Prevention of Oral Cancer: Literature Review," Int. Journal of Advanced Computing, Vol.34, Issue 10, pp. 301-309.
94. **Hari Om** and Tanmoy Hazra, "Design of Anomaly Detection System for Outlier Detection in Hardware Profile Using PCA," Int. Journal on Computer Science and Engineering, Vol. 4, Issue 9, pp. 1623-1632, Sept. 2012.
95. Neha Sharma and **Hari Om**, "Framework for Early Detection and Prevention of Oral Cancer using Data Mining," Int. Journal of Advances in Engineering & Technology, Vol. 4, Issue 2, pp. 302-310, Sept. 2012.
96. **Hari Om** and Mantosh Biswas, "A New Denoising Scheme Using Soft-Thresholding," Journal of Signal and Information Processing (USA), Vol. 3 No. 3, pp. 360-363, Aug. 2012.
97. **Hari Om** and M. Ramakrishna Reddy, "RSA based Remote Password Authentication Using Smart Card," Journal of Discrete Mathematical Sciences & Cryptography (**Taylor & Francis**), Vol. 15(2&3), pp. 105-111, Apr. & Jun. 2012.
98. **Hari Om** and Mantosh Biswas, "An Improved Image Denoising Method based on Wavelet Thresholding," Journal of Signal and Information Processing (USA), Vol. 3(1), pp. 109-116, Feb. 2012.
99. **Hari Om** and Tapas K. Sarkar, "Designing Intrusion Detection System for Web Documents Using Neural Network," Int. Journal of Communications and Network (USA), Vol. 2(1), pp. 54-61, Feb. 2010.

100. Satish Chand and **Hari Om**, "Efficient Staircase Scheme with Seamless Channel Transition Mechanism," *Computer Networks (Elsevier)*, Vol. 54(3), pp. 462-474, Feb. 2010. **(SCIE)**
101. Satish Chand and **Hari Om**, "Buffer Storage for Continuous Delivery of Video Data," *Applied Mathematical Modeling (Elsevier)*, Vol. 33(10), pp. 3936-3942, Oct. 2009. **(SCIE)**
102. **Hari Om** and Tapas K. Sarkar, "Neural Network based Intrusion Detection System for Detecting Changes in Hardware Profile," *Journal of Discrete Mathematical Sciences & Cryptography (Taylor & Francis)*, Vol. 12(4), pp. 451-466, Aug. 2009.
103. Satish Chand, Bijendra Kumar, and **Hari Om**, "Video Data Delivery using Slotted Patching," *Journal of Network and Computer Applications (Elsevier)*, Vol. 32(3), pp. 660-665, May 2009. **(SCIE)**
104. Satish Chand, Bijendra Kumar, and **Hari Om**, "Segmented Patching Broadcasting Protocol for Video Data," *Computer Communications (Elsevier)*, Vol. 32(4), pp. 679-684, March 2009. **(SCIE)**
105. Satish Chand and **Hari Om**, "Storage Space Estimation for Videos using Fading Channels," *Digital Signal Processing (Elsevier)*, Vol. 19(2), pp. 287-296, March 2009. **(SCIE)**
106. Satish Chand, Bijendra Kumar, and **Hari Om**, "Patching-based Broadcasting Scheme for Video Services," *Computer Communications (Elsevier)*, Vol. 31(10), pp. 1970-1978, 2008. **(SCIE)**
107. Satish Chand and **Hari Om**, "Phase Estimation in Data Channelization for Videos," *Multidimensional System and Signal Processing (Springer)*, Vol. 19(2), pp. 247-256, 2008. **(SCI/SCIE)**
108. Satish Chand and **Hari Om**, "Efficient Utilization of Buffer Storage in Conservative Staircase Broadcasting Scheme," *IEEE Trans. on Consumer Electronics*, Vol. 54(3), pp. 1360-1368, Aug. 2008. **(SCI/SCIE)**
109. **Hari Om** and Rahul Patwa, "Affine Transformation in Cryptography," *Journal of Discrete Mathematical Sciences & Cryptography (Taylor & Francis)*, Vol. 11(1), pp. 59-65, Feb. 2008.
110. Satish Chand and **Hari Om**, "Modeling of Buffer Storage in Video Transmission," *IEEE Trans. on Broadcasting*, Vol. 53(4), pp. 774-779, Dec. 2007. **(SCI/SCIE)**
111. **Hari Om** and Satish Chand, "Geometrico-harmonic Broadcasting Scheme with Continuous Redundancy," *IEEE Trans. on Multimedia*, Vol. 9(2), pp. 410-419, Feb. 2007. **(SCIE)**

112. Satish Chand and **Hari Om**, “Geometrico-Harmonic Data Broadcasting and receiving Scheme for popular videos,” IEEE Trans. on Circuits and Systems for Video Technology, Vol. 17(1), pp. 16-25, Jan. 2007. **(SCI/SCIE)**
113. Satish Chand, Bijendra Kumar, and **Hari Om**, “Request based Data Delivery in Video-on Demand Services,” IEEE Trans. on Consumer Electronics, Vol. 52(4), pp. 1318-1324, 2006. **(SCI/SCIE)**
114. Satish Chand and **Hari Om**, “Seamless Channel Transition for Cautious Harmonic Scheme in Video Data Broadcasting,” IEEE Trans. on Consumer Electronics, Vol. 52(3), pp. 719-725, Aug. 2006. **(SCI/SCIE)**
115. Satish Chand and **Hari Om**, “Generalized Conservative Staircase Data Broadcasting Protocol for Video-on-Demand,” IEEE Trans. on Consumer Electronics, Vol. 52(2), pp. 363-370, May 2006. **(SCI/SCIE)**
116. Satish Chand and **Hari Om**, “Modified Polyharmonic Data Broadcasting Scheme for Popular Videos,” IEEE Trans. on Consumer Electronics, Vol. 51(4), pp. 1153-1158, Nov. 2005. **(SCI/SCIE)**
117. Satish Chand and **Hari Om**, “Seamless Channel Transition Using Bespoke Broadcasting Scheme for Video-On-Demand Service,” IEEE Trans. on Consumer Electronics, Vol. 51(4), pp. 1313-1318, Nov. 2005. **(SCI/SCIE)**
118. **Hari Om**, “Partially Pre-stored Harmonic Data Broadcasting Scheme for popular Videos,” IEEE Trans. on Consumer Electronics, Vol. 50(2), pp. 709-714, May 2004. **(SCI/SCIE)**
119. Satish Chand and **Hari Om**, “Modified Bespoke data broadcasting scheme for popular videos,” IEEE Trans. on Consumer Electronics, Vol. 49(4), pp. 1378-1382, Nov. 2003. **(SCI/SCIE)**
120. Satish Chand and **Hari Om**, “Buffer Evaluation in Variable Bandwidth Channelization for videos,” IEEE Trans. on Consumer Electronics, Vol. 49(2), pp. 354-358, May 2003. **(SCI/SCIE)**
121. Satish Chand and **Hari Om**, “Bespoke data broadcasting scheme for popular videos,” IEEE Trans. on Consumer Electronics, Vol. 49(1), pp. 193-197, Feb. 2003. **(SCI/SCIE)**
122. Satish Chand and **Hari Om**, “Modified staircase data broadcasting scheme for popular videos,” IEEE Trans. on Broadcasting, Vol. 48(4), pp. 274-280, Dec. 2002. **(SCI/SCIE)**

in International refereed Conferences (64)

123. K Sutradhar and **Hari Om**, "Efficient Cryptographic protocol for Sorting with Data-oblivious," 2nd Int. Conf. for Emerging Technology (INCET), pp.1-6, 2021.
124. Sutradhar, Kartick, and **Hari Om**. "Efficient Cryptographic protocol for Sorting with Data-oblivious." In 2021 2nd International Conference for Emerging Technology (INCET), pp. 1-6. IEEE, 2021.
125. Ashish Kumar and **Hari Om**, "Analysis and Enhancement of Biometric-Based Multi-Server Authentication Scheme Using Chebyshev Chaotic Map," 4th Int. Con. on Microelectronics, Computing and Communication Systems, pp. 921-929, Dec. 24-25, 2016, Kolkata.
126. Pradeepika Verma and **Hari Om**, "Fuzzy Evolutionary Self-Rule Generation and Text Summarization," 15th Int. Conf. on Natural Language Processing (ICON), Dec. 15-18, 2018 Punjabi University, Patiala.
127. Pradeepika Verma and **Hari Om**, "Collaborative ranking based text summarization using a metaheuristic approach," 1st Int. Conf. on Emerging Technologies in Data Mining and Information Security (IEMIS), Feb. 23-25, 2018, University of Engineering & Management, Kolkata. (Awarded Best Paper)
128. Pradeepika Verma and **Hari Om**, "A Variable Dimension Optimization Approach for Text summarization," 4th Int. Conf. on Harmony search, Soft computing and Applications (ICHSA), Feb. 7-9, 2018, BML Munjal Univeristy, Gurgaon.
129. **Hari Om**, Sajid Iqbal, and Vivek Singhal, "Offline Voice Assistant App for Android Based Devices," 5th Int. Conf. on Engineering Technology, Science and Management Innovation (ICETSMI), pp. 478-483, IETE, Lodhi Road, Delhi, April 30, 2017.
130. Preeti Chandrakar and **Hari Om**, "A Secure and Privacy Preserving Remote User Authentication," 1st Int. Conf. on Computational Intelligence, Communications, and Business Analytics (CICBA-2017), March 24-25, 2017, Calcutta Business School, Kolkata.
131. Manish Kumar and **Hari Om** "A Comparative Analysis of Soft Computing Techniques for Predicting Protein 3D Structure" 6th Int. Conf. on Recent Trends in Engineering, Science & Management (ICRTE SM), Jan. 8, 2017, NITTTR, Chandigarh, published in Int. Journal of Innovative Research in Science and Engineering, Vol. 3, Issue 1, pp. 41-49, Jan. 2017.
132. Ashish Kumar and **Hari Om**, "Cryptanalysis and Enhancement of Secure and Robust User Authentication Scheme for Multi-medical Server Environment in TMIS," 5th Int. Conf. on Computing, communication and Sensor Network, pp. 71-78, Dec. 24-25, 2016, Kolkata.

133. Pradeepika Verma and **Hari Om**, "Theme driven Text Summarization using k-means with gap statistics for Hindi Documents," 5th Int. Conf. on Computing, communication and Sensor Network, pp. 90-94, Dec. 24-25, 2016, Kolkata.
134. Manish Kumar and **Hari Om**, "Alignment of Multiple Randomly Generated Biological Sequences Through Enhanced Genetic Computation," 5th Int. Conf. on Computing, communication and Sensor Network, pp. 61-64, Dec. 24-25, 2016, Kolkata.
135. Manish Kumar and **Hari Om**, "Prediction of Protein Tertiary Structure Using Cross Validation Technique," 6th Int. Conf. on Science, Technology and Management, India International Centre, N. Delhi, Dec.4, 2016, published in Int. Journal of Advanced Technology in Engineering and Science, Vol.4, Issue 12, pp. 75-83, Dec. 2016.
136. Pradeepika Verma and **Hari Om**, "Extraction Based Text Summarization Methods on User's Review Data: A Comparative Study," Int. Conf. on Smart Trends for Information Technology and Computer Communications, Springer, pp. 346-354, Aug. 6-7, 2016, Jaipur.
137. Ashish Kumar and **Hari Om**, "An Enhanced Remote User Authentication Scheme for Multi-Server Environment using Smart Card," 4th Int. Conf. on Advanced Computing, Networking, and Informatics (ICACNI), Springer, Sept. 22-24, 2016, NIT Rourkela.
138. Sunil K. Gautam and **Hari Om**, "Computational Neural Network Regression Model for Host based Intrusion Detection System," Int. Conf. on Recent trends in Engineering and Material Sciences (ICEMS), Elsevier, pp. 93-95, March 17-19, 2016, Jaipur.
139. Suvadip Hazra and **Hari Om**, "A Generalized Password Authentication Scheme based on Geometric Properties," 2nd Int. Conf. on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB), IEEE, pp. 592-596, Feb. 27-28, 2016, Chennai.
140. N. Mazumdar and **Hari Om**, "Distributed Energy-efficient Clustering Algorithm for mobile-sink based Wireless Sensor networks," 10th Int. Conf. on Intelligence System and Control (ISCO-2016), IEEE, pp. 1-6, Jan. 7-8, 2016, Coimbatore.
141. N. Mazumdar and **Hari Om**, "An Energy efficient GA-based algorithm for clustering in wireless sensor networks," 1st Int. Conf. on Emerging Trends in Engineering, Technology and Science (ICETETS-2016), IEEE, pp. 1-7, Feb. 24-26, 2016, Thanjavur.
142. Amit Kumar and **Hari Om**, "A Secure, Efficient and Lightweight User Authentication Scheme for Wireless LAN," 1st Int. Conf. on Emerging Trends in Engineering, Technology and Science (ICETETS-2016), IEEE, pp. 124-132, Feb. 24-26, 2016, Thanjavur.

143. Rishav Singh and **Hari Om**, "Pose Invariant Face Recognition for New Born: Machine Learning Approach," Int. Conf. on Computational Intelligence in Data Mining (ICCIDM), Springer, pp. 29-37, Dec. 05-06, 2015, RIT Bhubaneswar.
144. Preeti Chandrakar and **Hari Om**, "A Secure Two-Factor Mutual Authentication and Session Key Agreement Protocol using Elliptic Curve Cryptography," Computer Graphics Vision and Information Security (CGVIS), IEEE, Nov. 2-3, 2015, KIIT Bhubaneswar.
145. Amit Kumar and **Hari Om**, "A Secure Seamless Handover Authentication Technique for Wireless LAN," 14th Int. Conf. on Information Technology (ICIT), IEEE, pp. 43-47, Dec. 21-23, 2015, Bhubaneswar.
146. Prajnamaya Dass and **Hari Om**, "A secure authentication scheme for RFID systems," 1st Int. Conf. on Information Security and Privacy (ICISP), Dec. 11-12, 2015, Nagpur, Vol. 78, pp. 100-106, 2016, Procedia Computer Science (Elsevier).
147. Preeti Chandrakar and **Hari Om**, "RSA Based Two-Factor Remote User Authentication Scheme with User Anonymity," 4th Int. Conf. on Eco-friendly Computing and Communication Systems (ICECCS), Dec. 7-8, 2015, NIT Kurukshetra, Vol. 70, pp. 318-324, Procedia Computer Science (Elsevier). (Awarded Best Paper)
148. Sunil K. Gautam and **Hari Om**, "Host Based Intrusion Detection using Statistical Approaches," 4th Int. Conf. on Frontiers in Intelligent Computing: Theory and Applications (FICTA), Nov. 16-18, 2015, pp. 481-493, NIT, Durgapur.
149. Sunil K. Gautam and **Hari Om**, "Anomaly Detection System using Entropy based Technique," 1st Int. Conf. on Next Generation Computing Technologies (NGCT), IEEE, Sep. 4-5, 2015, pp. 956-961, UPES, Dehradun.
150. Pratik Ranjan and **Hari Om**, "Cryptanalysis of Braid Groups based Authentication Schemes," 1st Int. Conf. on Next Generation Computing Technologies (NGCT), IEEE, Sept. 4-5, 2015, pp. 978-982, UPES, Dehradun.
151. Pratik Ranjan and **Hari Om**, "Braid Groups based Group Signature Scheme," 4th Int. Conf. on Reliability, Infocom Technologies and Optimization (ICRITO), IEEE, Sep. 2-4, 2015, pp. 137-141, Amity Univ., Noida.
152. Pratik Ranjan and **Hari Om**, "An Efficient Undeniable Signature Scheme using Braid Groups," 8th Int. Conf. on Contemporary Computing (IC3), IEEE, Aug. 20-22, 2015, pp. 516-520, IIIT Noida.

153. N. Mazumdar and **Hari Om**, "A Distributed Fault-tolerant Multi-objective Clustering Algorithm for Wireless Sensor Networks," 1st Int. Conf. on Nano-electronics, Circuits & Communication Systems (NCCS), Springer, May 9-10, 2015, Ranchi.
154. Nilam Upasani and **Hari Om**, "Evolving Fuzzy Min-Max Neural Network for Outlier detection," Int. Conf. on Advanced Computing Technologies and Applications (ICACTA), March 26-27, 2015, Vol. 45, pp. 753-761, Procedia Computer Science (Elsevier).
155. Ravi Sankar Sangam and **Hari Om**, "The k-modes algorithm with an entropy based similarity coefficient," 2nd Int. Symposium on Big Data and Cloud Computing (ISBCC), VIT Univ. Chennai, March 12-13, 2015, Vol. 50, pp. 93-98, Procedia Computer Science (Elsevier).
156. N. Mazumdar and **Hari Om**, "Coverage-aware Unequal Clustering Algorithm for Wireless sensor networks," 3rd Int. Conf. on Recent Trends in Computing, March 12-13, 2015, SRM Univ. Ghaziabad, Vol. 57, 2015, pp. 660-669, Procedia Computer Science (Elsevier).
157. Shipra Kumari and **Hari Om**, "A Remote Login Password Authentication Scheme using Row Vector with Biometric," 2nd Int. Conf. on Information Systems Design and Intelligent Applications, Kalyani, Jan. 8-9, 2015, published in Advance in Intelligent Systems and Computing (Springer), Vol. 340, pp. 195-205, 2015.
158. Chiranjeevi Manike and **Hari Om**, "Sliding-Window Based Method to Discover High Utility Patterns from Data Streams," Int. Conf. on Computational Intelligence in Data Mining (ICCIDM), Vol. 3 pp. 173-184, 2014 (Springer).
159. Chiranjeevi Manike and **Hari Om**, "Time-efficient Tree-based Algorithm for Mining High Utility Patterns," 3rd Int. Symposium on Intelligent Informatics Advances in Intelligent Informatics (ISI), Sept. 24-27, 2014, G. Noida, published in Advances in Intelligent and Soft Computing (Springer) Series, Vol. 3, pp. 409-418.
160. Shipra Kumari and **Hari Om**, "Remote Login Password Authentication Scheme based on Cuboid using Biometric," 13th Int. Conf. on Information Technology, IEEE Computer Society, pp. 190-195, Dec. 22-24, 2014, Bhubaneswar. DOI.10.1109/ICIT.2014.48
161. Sunil K. Gautam and **Hari Om**, "Multivariate Linear Regression Model for Host Based Intrusion Detection," Int. Conf. on Computational Intelligence in Data Mining (ICCIDM), Sambalpur, Vol.3, pp. 361-371, Dec. 20- 21, 2014 (Springer).
162. Shipra Kumari and **Hari Om**, "Remote Login Password Authentication Scheme using Tangent Theorem on Circle," 3rd Int. Conf. on Frontiers of Intelligent Computing: Theory

- and Applications (FICTA), Nov. 14-15, 2014, Bhubaneswar. Published in *Advances in Intelligent Systems and Computing* (Springer), Vol. 328, pp. 721-728, 2015.
163. Shipra Kumari and **Hari Om**, “A modified remote authentication method with smartcards and check digits,” *Int. Conf. on Data Science and Engineering*, IEEE Computer Society, pp. 206-209, Aug. 25-28, 2014, Cochin. DOI.10.1109/ICDSE.2014.6974638.
164. Shipra Kumari and **Hari Om**, “Remote Login Password Authentication Scheme using Tangent Theorem on Circle in a Multi-Server Environment,” *Int. Conf. on Networks and Soft Computing*, pp. 76-80, Aug. 19-20, 2014, Guntur. DOI.10.1109/CNSC.2014.6906643.
165. Neha Sharma and **Hari Om**, “Predicting Oral Cancer Survivability using LR and PNN/GRNN Models,” 8th *Int. Conf. on Data Mining and Warehousing (ICDMW)*, Bangalore, Jul. 25-27, 2014.
166. Shipra Kumari and **Hari Om**, “Remote Login Authentication Scheme using RSA Cryptography in Multiserver Environment,” 8th *Int. MultiConference on Information Processing (IMCIP)*, pp. 48-54, Jul. 25-27, 2014, Bangalore.
167. Chiranjeevi Manike and **Hari Om**, “Efficient discovery of High Utility Patterns from Transactional Databases,” 8th *Int. Conf. on Data Mining and Warehousing (ICDMW)*, Elsevier, Bangalore, Jul. 25-27, 2014. (Awarded Best Paper)
168. Chiranjeevi Manike and **Hari Om**, “Time-Fading based High Utility Pattern Mining from Uncertain Data Streams,” 2nd *Int. Conf. on Advanced Computing, Networking, and Informatics (ICACNI)*, Springer, pp. 529-536, Jun. 24-26, 2014, Kolkata.
169. Chiranjeevi Manike and **Hari Om**, “Transaction-Sensitive Sliding Window based HUP-Mining using Bitmaps,” 1st *Int. Symposium on Big Data and Cloud Computing Challenges (ISBCC)*, March 27-28, 2014, VIT Univ., Chennai.
170. Rishav Singh and **Hari Om**, “An Overview of Face Recognition in an Unconstrained Environment,” 2nd *Int. Conf. on Image Information Processing (ICIIP)*, IEEE, Shimla, pp. 672-677, Dec. 9-11, 2013.
171. Chiranjeevi Manike and **Hari Om**, “High Utility Frequent Pattern Mining Algorithms: A Comparative Study,” *IEEE Workshop on Computational Intelligence: Theories, Applications and Future Directions*, IIT Kanpur, pp. 68-73, July 14, 2013.
172. Nilam Upasani and **Hari Om**, “Outlier detection: A survey on techniques involving fuzzy and /or Neural Network approaches,” *IEEE Workshop on Computational Intelligence: Theories, Applications, and Future Directions*, IIT Kanpur, pp. 28-32, July 14, 2013.

173. **Hari Om** and Mantosh Biswas, "An Enhanced Image Denoising Scheme," 2nd Int. Conf. on Innovative Developments in ICT-Today & Tomorrow, DAV College, Amritsar, Punjab, March 2-3, 2013 published in International Journal on Information and Communication Technologies, Vol. 6, No. 1-2, pp. 6-10, 2013.
174. M. Biswas and **Hari Om**, "A New Soft-Thresholding Image Denoising Method," 2nd Int. Conf. on Communication, Computing & Security (ICCCS), Oct. 06-08, 2012, NIT Rourkela, Procedia Technology (Elsevier), Vol. 6, pp. 10-15, 2012.
175. Mantosh Biswas and **Hari Om**, "Selective Parameters based Image Denoising Method," 1st Int. Symposium on Intelligent Informatics (Springer), Chennai, Aug. 4-5, pp. 325-332, 2012.
176. **Hari Om** and Aritra Kundu, "A Hybrid System for Reducing the False Alarm Rate of Anomaly Intrusion Detection System," Int. Conf. on Recent Advances in Information Technology (IEEE), ISM Dhanbad, pp. 149-154, Mar. 15-17, 2012.
177. **Hari Om** and Satish Chand, "Buffer Storage for Video Delivery," Int. Conf. on Signal Processing, Communications and Networking, Madras Institute of Technology, Anna University, Chrompet, Chennai, pp. 15-19, Jan. 4-6, 2008.
178. **Hari Om** and Satish Chand, "An Efficient Broadcasting Scheme for video-on-Demand Services," Int. Conf. on Information & Communication Technology (IICT), Dehradun Institute of Technology, Dehradun, pp. 629-633, Jul. 26-28, 2007.
179. **Hari Om** and Satish Chand, "Bandwidth Variability in Polyharmonic Scheme," Int. Conf. on Information & Communication Technology (IICT), Dehradun Institute of Technology, Dehradun, Uttanchal, pp. 634-637, Jul. 26-28, 2007.
180. **Hari Om** and Satish Chand, "Phase Estimation in Video Transmission using Hilbert Transform," Int. Conf. on Signal Processing, Communications and Networking, Madras Institute of Technology, Chennai, pp. 157-161, Feb. 23-24, 2007.
181. **Hari Om** and Satish Chand, "Modified Conservative Staircase Scheme for Video Services," Int. Conf. on Signal Processing, Communications and Networking, Madras Institute of Technology, Anna University, Chennai, pp. 608-613, Feb. 23-24, 2007.
182. **Hari Om**, "Enhanced unified architecture for video-on-demand services," 10th Int. Symposium on Consumer Electronics, St. Petersburg, Russia, pp. 435-438, Jun 29-Jul. 1, 2006.
183. **Hari Om**, "Enhanced Bespoke data broadcasting scheme for popular videos," 9th Int. Symposium on Consumer Electronics, Macau, Hong Kong, pp. 412-415, June 14-16, 2005.

184. **Hari Om**, “Efficient Conservative Staircase Data Broadcasting Protocol for Video On Demand,” Int. World Congress on Computing, Bangalore, Dec. 2004.
185. Satish Chand, D.K. Lobiyal, and **Hari Om**, “Enhanced Polyharmonic Broadcasting Scheme for Popular Videos,” 8th Int. Symposium on Consumer Electronics, Reading, UK, pp. 370-374, Sept. 1-3, 2004.
186. Satish Chand and **Hari Om**, “Hybrid data Broadcasting Scheme for Popular Videos,” Int. Conf. on Information Technology: Prospects and Challenges in the 21st Century (ITPC-2003), Vol. 1, pp. 95-100, Katmandu, May 2003.

in National refereed Conferences (09)

187. Neha Sharma and **Hari Om**, “Significant Patterns Extraction to Find Most Effective Treatment for Oral Cancer Using Data Mining,” 37th National Systems Conference, IIT Jodhpur, Dec. 05-07, 2013. Conf. Proc. published in Systems Thinking Approach for Social Problems (Lecture Notes in Electrical Engineering), Springer Series, Vol. 327, pp. 385-396, Jan. 2015.
188. Mantosh Biswas and **Hari Om**, “An Adaptive Wavelet Thresholding Image Denoising Method,” National Conference on Communications, IIT Delhi, pp. 1-5, Feb. 2013; DOI:10.1109/NCC.2013.6488014.
189. Satish Chand and **Hari Om**, “Timely Delivery of Video Data in Staircase Scheme,” National Conference on Communications, IIT Kharagpur, pp. 39-43, Feb. 2012.
190. Satish Chand and **Hari Om**, “Determination of Storage Space in Video Applications,” National Conference on Communications, IIT Guwahati, pp. 253-256, Jan. 2009.
191. **Hari Om** and Satish Chand, “Reverse-index Based Broadcasting Scheme,” National Conference on Communications, IIT Bombay, pp. 471-475, Feb. 2008.
192. **Hari Om** and Satish Chand, “Seamless Channel Transition for Modified Bespoke Broadcasting Scheme,” National Conference on Communications, IIT Kanpur, pp. 392-396, Jan. 2007.
193. **Hari Om**, Harish Parthasarthy, Bijendra Kumar, and Satish Chand, “Efficient Polyharmonic Data Broadcasting Scheme for Video-on-Demand Services,” National Conference on Communications, IIT Delhi, pp. 290-294, Jan. 2006.
194. **Hari Om** and Satish Chand, “Enhanced Conservative Staircase Data Broadcasting Protocol For Video On Demand,” National Conference on Communication, IIT Kharagpur, pp. 217-221, Jan. 2005.

195. **Hari Om** and Satish Chand, "Dual Step Function Broadcasting Schemes for Videos," National Conference on Communication, Indian Institute of Science, Bangalore, pp. 219-223, Jan. 30- Feb. 1, 2004.

Book Chapters (14)

196. S. K. Gautam, **Hari Om**, and Dixit Kumar, "A Novel Multilevel Classifier Hybrid Model for Intrusion Detection Using Machine Learning," Nature-Inspired Computing for Smart Application Design, May 2021.
197. Gautam, Sunil Kumar, Riddhi B. Prajapati, and **Hari Om**. "Big Data Applications in Transportation Systems Using the Internet of Things." Handbook of Research for Big Data: Concepts and Techniques (2022): 91.
198. R.C.Goswami, H.Joshi, S.Gautam, and **Hari Om**, "Applications of Big Data and Internet of Things in Power System," Architectural Wireless Networks Solutions and Security Issues (Springer), Accepted
199. Nabajyoti Mazumdar, and **Hari Om**, "A GA-Based Fault-Aware Routing Algorithm for Wireless Sensor Networks," Nature Inspired Computing for Wireless Sensor Networks (Springer), pp. 21-38, Feb. 2020.
200. Sunil K. Gautam, **Hari Om**, and Dixit Kumar, "Intrusion Detection System in Internet of Things," Design Frameworks for Wireless Networks (Springer), pp. 65-93, Vol. 82, 2020 Lecture Notes in Networks and Systems book series (LNNS).
201. Manish Kumar and **Hari Om**, "A Hybrid Bio-Inspired Algorithm for Protein Domain Problems," Advances in Nature-inspired Computing and Applications (Springer), pp. 291-311, 2019(Online available).
202. A. Kumar and **Hari Om**, "Seamless and Secure Communication for 5G subscriber in 5G-WLAN Heterogeneous Networks," Networks of the Future (Internet of Things, Cloud Computing, SDN, Big Data, 5G), Chapter 9, pp. 169-186, CRC Press.
203. A. Malik and **Hari Om**, "Cloud Computing for Internet of Things: Architecture, Issues and Challenges in integration," Sustainable Cloud and Energy Services: Principles and Practices (Springer), pp. 1-24, 2017.
204. P. K. Roy and **Hari Om**, "Suspicious and Violent Activity Detection of Humans using HOG Features and SVM Classifier in Surveillance Videos," Advances in Soft Computing and Machine Learning in Image Processing (Springer), pp. 277-294, 2017.
205. Pratik Ranjan and **Hari Om**, "Computational Intelligence based Security in Wireless Sensor Networks: Technologies and Design Challenges," Computational Intelligence in

Wireless Sensor Networks: Recent Advances and Future Challenges, (Springer), pp. 131-151 (Chapter 6), Vol. 676, Jan. 2017.

206. **Hari Om** and Alok K. Gupta, “Feature Selection and Decision Tree: A Combinational Approach for Intrusion Detection,” Case Studies in Secure Computing: Achievements and Trends, Taylor & Francis Group, CRC Press, pp. 27-47 (Chapter 2), Aug. 2014.
207. Mantosh Biswas and **Hari Om**, “Intelligent and Non-Intelligent approaches in Image Denoising: A Comparative Study,” Case Studies in Intelligent Computing- Achievements and Trends, Taylor & Francis Group, CRC Press, pp. 125-159 (Chapter 7), Aug. 2014.
208. Chiranjeevi Manike and **Hari Om**, “High-Utility Patterns Discovery in Data Mining: A Case Study,” Case Studies in Intelligent Computing- Achievements and Trends, Taylor & Francis Group, CRC Press, pp. 247-269 (Chapter 12), Aug. 2014.
209. Neha Sharma and **Hari Om**, “Predictive Data Mining for Oral Cancer Treatment,” Case Studies in Intelligent Computing- Achievements and Trends, Taylor & Francis Group, CRC Press, pp. 303-327 (Chapter 15), Aug. 2014.