

Research & Publications

(a) Paper in International Journals:

I. SCI/SCIE

- [1] Manoj Shukla, Vinay Kumar Srivastava, and Sudarshan Tiwari, "Analysis and Design of Optimum Interleaver for Iterative Receivers in IDMA Scheme" in Proceedings of Journal Wireless Communications and Mobile Computing, Wiley InterScience Vol 9. Issue 10, pp. 1312-1317, 2009. SCIE WIRELESS COMMUNICATIONS & MOBILE COMPUTING WILEY-HINDAWI 1530-8669 1530-8677 ENGLAND)
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- [5] Falgun Thakkar and Vinay Kumar Srivastava, "A fast watermarking algorithm with enhanced security using compressive sensing and principle components and its performance analysis against a set of standard attacks" in International Journal of Multimedia tools and application – Springer, vol. 76, pp. 15191–15219 (2017), DOI : 10.1007/s11042-016-3744-0. SCIE IF: 3.6
- [6] Falgun Thakkar and Vinay Kumar Srivastava, "A blind medical image watermarking: DWT-SVD based robust and secure approach for telemedicine applications" in International Journal of Multimedia tools and application - Springer Group of Journal, vol. 76, pp. 3669–3697 (2017), DOI 10.1007/s11042-016-3928-7.(SCIE) IF: 3.6
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- [9] Falgun Thakkar and Vinay Kumar Srivastava. "Performance comparison of recent optimization algorithm Jaya with particle swarm optimization for digital image watermarking in complex wavelet domain", Multidim Syst Sign Process 30, 1769–1791(2019) <https://doi.org/10.1007/s11045-018-0627-8>(SCOPUS,SCI/SCIE)IF: 2.5
- [10] Priyank Khare and Vinay Kumar Srivastava, "A reliable and secure image watermarking algorithm using homomorphic transform in DWT domain." Multidim Syst Sign Process 32, 131–160 (2021). <https://doi.org/10.1007/s11045-020-00732-1> (SCImago, SCOPUS, SCI, SCIE) IF: 2.5
- [11] Priyank Khare and Vinay Kumar Srivastava, "A Secured and Robust Medical Image Watermarking Approach for Protecting Integrity of Medical Images" Trans. on Emerging Telecommunications Technologies Vol. 32, Issue 2 DOI: 10.1002/ett.3918 (SCIE)
- [12] Falgun Thakkar and Vinay Kumar Srivastava,. (2021). "An adaptive, secure and imperceptible image watermarking using swarm intelligence, Arnold transform, SVD and DWT", Multimedia Tools and Applications. 80. 1-18, 12275-12292. 10.1007/s11042-020-10220-0. SCIE, IF:3.6
- [13] Divyanshu Awasthi and Vinay Kumar Srivastava, "LWT-DCT-SVD and DWT-DCT-SVD based watermarking schemes with their performance enhancement using Jaya and Particle swarm optimization and comparison of results under various attacks" Multimedia Tools and Applications 81 (18), 25075-25099, March 2022 DOI: 10.1007/s11042-022-12456-4,(SCOPUS, SCIE) IF:3.6
- [14] Divyanshu Awasthi and Vinay Kumar Srivastava, "Robust, imperceptible and optimized watermarking of DICOM image using Schur decomposition, LWT-DCT-SVD and its authentication using SURF," Multimedia Tools and Applications, 27 September 2022, Vol. 82, 16555–16589 (2023). <https://doi.org/10.1007/s11042-022-14002-8> (SCOPUS, SCIE) IF:3.6
- [15] Divyanshu Awasthi and Vinay Kumar Srivastava. "Performance enhancement of SVD based dual image watermarking in wavelet domain using PSO and JAYA optimization

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II. Scopus and Others International Journals

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(b) Research & Publications: Book Chapters

- [1] Manjot Singh Bilkhu, Samarth Gupta, and Vinay Kumar Srivastava, Emotion Classification from Facial Expressions Using Cascaded Regression Trees and SVM, Advances in Intelligent Systems and Computing, September 2019 In book: Computational Intelligence: Theories, Applications and Future Directions - Volume II, DOI: 10.1007/978-981-13-1135-2_44
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(c) Research & Publications: Articles in proceedings (International)

- [1] Vinay Kumar Srivastava and G.C. Ray, “Design of 2D multiple notch filter and its application in reducing blocking artifacts from DCT coded images.” in the proceedings of the International Conference of IEEE Engineering in Medicine and Biology, Chicago, USA, TH-G301-06, July 23-28, 2000.
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