Dr. Ankita Vaish
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AREAS OF INTEREST:

- Theory of Computation
- Numerical Methods
- Digital Image Processing
- Computer Graphics

EDUCATIONAL QUALIFICATION:

- Ph.D. (Computer Science) from B.B.A.U (A Central University), Lucknow in 2018
- M.C.A. from B.B.A.U., Lucknow in 2013
- B.Sc. from University of Lucknow, Lucknow in 2010

LIST OF PUBLICATIONS

International Journals:

1. Manoj Kumar, **Ankita Vaish***, Encryption of color images using MSVD in DCST domain, *Optics & Laser in Engineering*, **Elsevier**, Vol. 88, pp. 51-59, 2016. **Impact factor: 3.388 (SCI), ISSN 0143-8166.**

2. **Ankita Vaish***, Manoj Kumar, Color image encryption using MSVD, DWT and Arnold transform in fractional Fourier domain, *Optik,* **Elsevier,** Vol. 145 pp. 273–283, Jul. 2017. **Impact factor: 1.191 (SCI). ISSN 0030-4026.**

3. Manoj Kumar, **Ankita Vaish***, An Efficient Encryption-then-compression technique for Encrypted Images using SVD, *Digital Signal Processing*, **Elsevier**, Vol. 60, pp. 81-89, 2017. **Impact factor: 2.241 (SCI). ISSN 1051-2004.**

4. Manoj Kumar, **Ankita Vaish***, Prediction error based compression of color images using WDR coding, *International Journal of Electronics and Communications*, **Elsevier**, Vol. 70 No. 9, pp. 1164–1171, 2016. **Impact factor: 2.115 (SCI), ISSN 1434-8411.**

5. Manoj Kumar, **Ankita Vaish***, Lossy Compression of Color images using Lifting Scheme and Prediction errors, *International Journal of Modern Education and Computer Science*, **MECS**, Vol. 8, No. 4, pp. 1-8, MECS, 2016. ISSN 2075-017X **Impact factor: 0.669.**

6. **Ankita Vaish***, Manoj Kumar, Color image compression using SVD in DCST domain, Optica Applicata, Wroclaw University of Technology, Vol. 48 No. 1 2017. **Impact factor: 0.925 (SCI)**

7. **Ankita Vaish***, Sonam, Manoj Kumar, A wavelet based approach for simultaneous compression and encryption of fused images, *Journal of King Saud University - Computer and Information Sciences*, Accepted, **Elsevier**, Jan. 2017. 1319-1578, http://dx.doi.org/10.1016/j.jksuci.2017.01.005 **(Scopus)**

International Conferences:

1. Manoj Kumar, **Ankita Vaish***, An efficient compression of encrypted images using WDR coding, International Conference on Soft Computing for Problem Solving (SocPros-2015), Saharanpur Campus IIT Roorkee, India, Vol. 436 (4), published in Springer series <u>Advances in Intelligent Systems and Computing</u> pp. 729-741, 15 Mar. 2016, ISBN- 978-981-10-0448-3.

2. **Ankita Vaish***, Manoj Kumar, Prediction error based compression of encrypted images, 6th International conference on computing and communication technology (ICCCT-2015), pp. 228-232, published in ACM digital library, ISBN: 978-1-4503-3552-2.

3. **Ankita Vaish*,** Manoj Kumar**,** WDR Coding Based Image Compression Technique using PCA, "International conference on signal processing and communication, ICSC-2015", Jaypee institute of Information technology, Noida, India, pp. 356-361, 16-18 Mar. 2015, published in IEEE Proceedings. ISBN: 978-1-4799-6761-2

4. **Ankita Vaish***, Manoj Kumar**,** A New Image Compression Technique Using PCA and Huffman Coding, "International Conference on Parallel, Distributed and Grid Computing (PDGC-2014)", 11-13 Dec. 2014, Jaypee University of Information technology, Solan, H. P, India, pp. 301-305, Solan, India, published in IEEE Proceedings. ISBN: 978-1-4799-7683-6

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