

PUBLICATION PROFILE

Publications in International Journals:

- Bedi P., Bansal R., Sehgal P. (2013). Using PSO in a spatial domain based image hiding scheme with distortion tolerance. *Computers & Electrical Engineering*, Elsevier, 39(2): 640-654.
- Bansal R., Sehgal P., Bedi P. (2012). Securing fingerprint images through PSO based robust facial watermarking. *International Journal of Information Security and privacy (IJISP)*, IGI Global, 6(2), 34-52.
- Bansal R., Sehgal P., Bedi P. (2012). Securing fingerprint images using PSO based wavelet domain watermarking. *Information Security Journal, A Global Perspective*, Taylor and Francis, 21(2), 88-101.
- Bansal R., Sehgal P., Bedi P. (2011). Minutiae Extraction from Fingerprint Images- a Review. *International Journal of Computer Science Issues (IJCSI)*, 8(5), 74-85.
- Bansal R., Sehgal P., Bedi P. (2010). Effective Morphological Extraction of True Fingerprint Minutiae based on the Hit or Miss Transform. *International Journal of Biometrics and Bioinformatics (IJBB)*, 4(2), 71-85.

Publications in International Conferences

- Bansal, R., Juneja, A., Agnihotri, A., Taneja, D. and Sharma, N. (2017). A fuzzified approach to iris recognition for mobile security, *IEEE International Conference of Electronics, Control and Aerospace Technology (ICECA 2017, Coimbatore)*, pp 246-251.
- Bansal R., Bhasin V., Sehgal P., Bedi P. (2013). Multi-Agent System for Intelligent Watermarking of Fingerprint Images, *International Conference on Fuzzy Systems, (Fuzz-IEEE – 2013, Hyderabad)*, pp 1-8.
- Bansal R., Sehgal P., Bedi P. (2012). Intelligent Wavelet Domain Watermarking of Fingerprint Images, *IEEE 12th Int. Conf. Hybrid Intelligent Systems (HIS 2012, Pune)*, pp 90-95.
- Bedi P., Bansal R., Sehgal P. (2012). Securing Fingerprint Images using a Hybrid Technique. *International Conference on Advances in Computing, Communications and Informatics (ICACCI – 2012, Chennai)*, pp. 557-565.
- Bedi P., Bansal R., Sehgal P. (2012). Multimodal Biometric Authentication using PSO based Watermarking, *Second International Conference on Computer, Communication, Control and Information Technology (C3IT 2012, Hooghly, West Bengal)*, *Procedia Technology* vol. 4, 2012, pp. 612-618, Elsevier.
- Bedi P., Bansal R., Sehgal P. (2011). Using PSO in Image Hiding Scheme based on LSB Substitution. *International conference on Advances in Computing and Communications (ACC 2011, Cochin)*, pp.259-268, Springer.
- Bansal R., Gaur M., Arora P., Sehgal P., Bedi P. (2009). Fingerprint Image Enhancement Using Type-2 Fuzzy Sets, *IEEE Sixth International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2009, Tianjin, China)*, pp. 412-417.
- Bansal R., Sehgal P., Bedi P. (2008). A novel framework for enhancing images corrupted by impulse noise using type-II fuzzy sets, *IEEE Fifth International Conference on Fuzzy Systems and Knowledge Discovery (FSKD 2008, Shandong, China)*, pp. 266-271.
- Bansal R., Sehgal P., Bedi P. (2007). A Simplified Fuzzy Filter for Impulse Noise Removal using Thresholding, *World Congress of Engineering and Computer Science, 2007 (WCECS 2007, San Francisco, USA)*, pp. 1051-1053.

Book Chapters

- Bedi, P., Bansal, and R., Sehgal, P. (2014). Securing Biometrics using Watermarking. Book Chapter in the book titled "Research Developments in Biometrics and Video Processing Techniques", IGI Global, 2014.