

LIST OF PAPERS PUBLISHED /PRESENTED /COMMUNICATED

(A) International Journals:

- [1]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Automatic moving object segmentation methods under varying illumination conditions for video data: Comparative study, and an improved method”, *Multimedia Tools and Applications*, Springer, pp. 1-56, 2015, doi:[10.1007/s11042-015-2927-4](https://doi.org/10.1007/s11042-015-2927-4) **(Published)**. [SCI Impact Factor – 1.34].
- [2]. **Alok K. Singh Kushwaha**, Rajeev Srivastava,” Framework for Dynamic Background Modeling and Shadow Suppression for Moving Object Segmentation in Complex Wavelet Domain” , *Journal of Electronic Imaging*, SPIE, 24(5) 051005 doi: [10.1117/1.JEI.24.5.051005](https://doi.org/10.1117/1.JEI.24.5.051005) **(Published)**. [SCI Impact Factor - 0.84].
- [3]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Multi-View Human Activity Recognition System Based on Spatio-Temporal Template for Video Surveillance System”, *Journal of Electronic Imaging*, SPIE, 24(5), 051004 (2015). doi: [10.1117/1.JEI.24.5.051004](https://doi.org/10.1117/1.JEI.24.5.051004) **(Published)**. [SCI Impact Factor - 0.84].
- [4]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “A Framework of Moving Object Segmentation in Maritime Surveillance inside a Dynamic Background”, *Transactions on Computational Science XXV* Springer, LNCS 9030, pp. 35–54, 2015. **(Published)**.
- [5]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Maritime Object Segmentation using Dynamic Background Modeling and Shadow Suppression”, *The Computer Journal*, Oxfords, 2015, doi:[10.1093/comjnl/bxv091](https://doi.org/10.1093/comjnl/bxv091) **(Published)**. [SCI Impact Factor – 0.962].
- [6]. **Alok K. Singh Kushwaha**, Subodh Srivastava, and Rajeev Srivastava, “Multi-View Human Activity Recognition Based on Silhouette and Uniform Rotation Invariant Local Binary Patterns”, *Multimedia Systems*, Springer **(Accepted with Revision)**. [SCI Impact Factor – 0.68].
- [7]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Multi-View Human Activity Recognition System Based on Multiple Features for Video Surveillance System”, *Multimedia Tools and Applications*, Springer (Under Review). [SCI Impact Factor – 1.34].
- [8]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “A Framework for Moving Object Segmentation using Dynamic Background Modeling and Shadow Suppression in Complex Wavelet Domain ”, *Imaging Science Journal* (Under Review). [SCI Impact Factor – 0.64].

- [9]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Moving Object Segmentation using an Improved Background Modeling and Change Detection with Shadow Suppression in Complex Wavelet Domain”, Chiang Mai Journal of Science(Under Review). [**SCI Impact Factor – 0.41**].
- [10]. Ishan Agarwal, **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Real Time Multi View Human Activity Recognition using a RGBD sensor”, Journal of Real-Time Image Processing (Under Review). [**SCI Impact Factor – 2.43**].
- [11]. Ishan Agarwal, **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Multi-View Human Activity Recognition using Weighted Fast Dynamic Time Warping for real time video surveillance system, Signal, Image and Video processing, Springer (Under Review). [**SCI Impact Factor – 1.41**].

(B) Conferences:

- [1]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “A Framework for Moving Object Segmentation under Rapidly Changing Illumination Conditions in Complex Wavelet Domain,” Futuristic Trends in Computational analysis and Knowledge management, Feb 25-27, 2015 at Amity University, Greater Noida, India, pp. 148 – 153 (DOI: 10.1109/ABLAZE.2015.7154985)
- [2]. **Alok K. Singh Kushwaha** and Rajeev Srivastava, “Performance Evaluation of Various Moving Object Segmentation Techniques for Intelligent Video Surveillance System,” In Proc: IEEE International Conference on Signal Processing & Integrated Networks (SPIN 2014), 20-21 Feb’2014, Noida, India, pp. 196-201. (DOI: 10.1109/SPIN.2014.6776947)
- [3]. **Alok K. Singh Kushwaha** and Rajeev Srivastava, “Complex Wavelet Based Moving Object Segmentation using Approximate Median Filter Based Method for Video Surveillance,” In Proc: 4th IEEE International Advanced Computing Conference, Gurgaon, India, 21-22 Feb’ 2014, pp. 973-978. (DOI: 10.1109/IAdCC.2014. 6779455).
- [4]. **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Human Activity Recognition Using Object Silhouettes for Automatic Video Surveillance System,” In Proc: International Conference on Recent cognizance in wireless communication & image processing-ICRCWIP-2014.
- [5]. Ishan Agarwal, **Alok K. Singh Kushwaha**, Rajeev Srivastava, “Weighted Fast Dynamic Time Warping Based Multi-View Human Activity Recognition Using a RGB-D Sensor”, Accepted in NCVPRIPG 2015, Patna

(C) Book Chapters:

- [1]. **Alok Kumar Singh Kushwaha**, and Rajeev Srivastava, “Recognition of Humans and Their Activities for video Surveillance,” in Research Developments in Computer Vision and Image Processing: Methodologies and Applications, R. Srivastava, S. K. Singh, K. K. Shukla (Indian Institute of Technology, (BHU), India) Eds. IGI Global, USA, July’2013, Chapter No. 9, pp. 183-198.