Key publications

Articles Published in International Journals

S. No.	Title	Name of Author (s)	Name of Journal	Volume Number	Page No.	Date	Impact factor
1.	Motion segmentation based surveillance video compression using adaptive particle swarm optimization	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Neural Computing and Applications (**Elsevier**)	--	--	November 2019	4.664 (**SCI/ SCIE Indexing**)
2.	Moving object detection using statistical background subtraction in wavelet compressed domain	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Multimedia Tools and Applications (Springer)	--	--	November 2019	2.101 (**SCI/SCIE Indexing**)
3.	Motion detection using block based bi-directional optical flow method	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Journal of Visual Communication and Image Representation (**Elsevier**)	49	89-103	August 2017	2.259 (**SCI/ SCIE Indexing**)
4.	Moving object detection based on frame difference and W4	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Signal, Image and Video Processing (**Springer**)	11 (7)	1357-1364	April 2017	1.894 (**SCI/ SCIE Indexing**)
5.	Foreground detection via background subtraction and improved three-frame differencing	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Arabian Journal for Science and Engineering (**Springer**)	42 (8)	3621–3633	June 2017	1.518 (**SCI/ SCIE Indexing**)
6.	Moving object area detection using normalized self adaptive optical flow	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Optik-International Journal for Light and Electron Optics (**Elsevier**)	127 (16)	6258-6267	March 2016	1.914 (**SCI/ SCIE Indexing**)
7.	Detection of moving objects based on enhancement of optical flow	Sandeep Singh Sengar, and Susanta Mukhopadhyay	Optik-International Journal for Light and Electron Optics (**Elsevier**)	145	130-141	July 2017	1.914 (**SCI/ SCIE Indexing**)

Articles Published in International Conference

S. No.	Title	Name of Author (s)	Name of Conference/Publisher	Page No.	Publication Year	Current Status
1.	Motion segmentation based on structure-texture decomposition and improved three frame differencing	Sandeep Singh Sengar	15th International Conference on Artificial Intelligence Applications and Innovations, **Crete, Greece (Scopus)**	609-622	March 2019	Published
2.	Moving object tracking using Laplacian-DCT based perceptual Hash	Sandeep Singh Sengar, and Susanta Mukhopadhyay	3rd IEEE Int'l Conference on Wireless Communication, Signal Processing and Networking, SSN Engineering College, Chennai, TN **(Scopus)**	2345-2349	March 2016	Published
3.	A novel method for moving object detection based on block based frame differencing	Sandeep Singh Sengar, and Susanta Mukhopadhyay	3rd IEEE Int'l Conference on Recent Advance in Information Technology, Indian School of Mines, Dhanbad, Jharkhand **(Scopus)**	467-472	March 2016	Published
4.	Algorithm for secure visual communication	Manoj Kr. Mishra, Sandeep Singh Sengar, and Susanta Mukhopadhyay	2nd IEEE Int'l Conference on Signal Processing and Integrated Networks, Amity University, Noida, UP **(Scopus)**	831-836	Feb 2015	Published
5.	A survey on WiMAX-3G interworking	Sandeep Singh Sengar, Neeraj Tyagi, Akhilendra Pratap Singh	*IEEE International Conference on Information and Computer Networks, **Guiyang, China** (Scopus)*	54 – 58	May, 2011	Published
6.	Cell range and capability analysis of WiMAX and LTE network	Sandeep Singh Sengar, and Neeraj Tyagi	International Conference on Parallel, Distributed Computing Technologies and Applications, Tirunelveli, India, Springer-Verlag Berlin Heidelberg **(Scopus)**	323-333	September, 2011	Published
7.	Detection and prevention of phishing attack using dynamic watermarking	Akhilendra Pratap Singh, Vimal Kumar, Sandeep Singh Sengar, and Manoj Wairiya	Advances in Information Technology and Mobile Communication (AIM), Springer-Verlag Berlin Heidelberg **(Scopus)**	132-137	2011	Published