

LIST OF PAPERS PUBLISHED /PRESENTED /COMMUNICATED

(A) International Journals:

- (1) Kumar, R., & Srivastava, R. (2015). Cancer Detection from Microscopic Biopsy Images Using Image Processing and Pattern Recognition Tools: A Review. *Journal of Medical Imaging and Health Informatics*, Volume 5, Number 5 (September 2015) pp.877-1120,(SCI IF-.642)
- (2) Rajesh Kumar, Rajeev Srivastava, and Subodh Srivastava, “Detection and Classification of Cancer from Microscopic Biopsy Images Using Clinically Significant and Biologically Interpretable Features,” *Journal of Medical Engineering*, vol. 2015, Article ID 457906, 14 pages, 2015. doi:10.1155/2015/457906
- (3) Kumar, R., Srivastava, R., & Srivastava, S. (2015). “Microscopic biopsy image segmentation using hybrid color k-means approach” *Knowledge-Based Systems*, 2015(communicated)
- (4) Kumar, R., Srivastava, R., & Srivastava, S. (2015). “A Fourth order PDE based Fuzzy C- Means approach for Segmentation of Microscopic biopsy images in presence of Poisson noise for cancer detection” *Journal of Tissue and Cells* , 2015 (in Review)

(B). Conferences:

- (5) Rajesh Kumar, Rajeev Srivastava, “Segmentation and detection of abnormal cells from microscopic biopsy images using Shape based features”, In proc: National Conference on Present scenario and future trends in biomedical

engineering and health care technologies, FTBH 2014, Department of Biomedical engineering, IIT(BHU), Varanasi, pp. 14-20, October 17-18, 2014.

(6) Rajesh Kumar, Rajeev Srivastava “Some observations on the performance of segmentation Algorithms for microscopic biopsy images” In proc: International conference on modeling and simulation of diffusive processes and applications, (ICMSDPA-2014), Department of Mathematics, Banaras Hindu University, Varanasi, pp. 16-22, October, 29-31, 2014.

(7) Rajesh Kumar, Rajeev Srivastava, Evaluation of Segmentation Algorithms for Microscopic Biopsy Images, International Conference on Signal Processing and Integrated Networks, SPIN-2014 , organized by the Department of Electronics and Communication Engineering at Amity School of Engineering and Technology, Amity University, Noida, on 20-21 February 2014(Accepted).

(C). Book Chapters:

(8) Rajesh Kumar, and Rajeev Srivastava, “Detection of Cancer from Microscopic Biopsy Images Using Image Processing Tools,” 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, Feb’2013