

List of Publications

Peer-reviewed Journals

1. N. Patel, V. Trivedi, S. Mahajan, V. Chhaniwal, C. Fournier, S. Lee, B. Javidi, A. Anand, "Wavefront division digital holographic microscopy", *Biomedical Optics Express*, **9**, 2779-2784 (2018).
2. P. Vora, V. Trivedi, S. Mahajan, N. R. Patel, M. Joglekar, V. Chhaniwal, A. R. Moradi, B. Javidi, A. Anand, "Wide field of view common-path lateral-shearing digital holographic interference microscope", *Journal of Biomedical Optics*, **22**, 126001 (2017).
3. A. Anand, V. K. Chhaniwal, N. Patel, B. Javidi, "Automatic identification of malaria infected RBC with digital holographic microscopy using correlation algorithms", *IEEE Photonics Journal*, **4**, 1456-1464 (2012).

Conference Proceedings

1. N. R. Patel, S. Mahajan, V. Trivedi, A. K. Renganathan, P. Vora, V. Chhaniwal, B. Javidi, G. Pedrini, W. Osten, A. Anand "Lens-less 3D Microscope for Cell Imaging", DAE-BRNS National Laser Symposium (NLS 25), December 20-23, 2016
2. N. R. Patel, V. K. Chhaniwal, B. Javidi, A. Anand, "Identification of malaria infected red blood samples by digital holographic quantitative phase microscope", *Proceedings of SPIE*, **9536**, 95360E (2015).
3. V. Trivedi, S. Mahajan, P. Vora, N. Patel, V. Chhaniwal, Z. Zalevsky, B. Javidi, A. Anand "Compact and low cost polarimeter based on laser speckle de-correlation", National Laser Symposium (NLS- 24), Indore, 02 -05 December 2015.
4. N. Patel, S. Rawat, V. Chhaniwal, B. Javidi, A. Moradi, A. Anand, "Low Cost Device for Optical trapping and Corner Frequency measurement of micro-objects", National Laser Symposium (NLS- 24), Indore, 02 -05 December 2015.
5. N. Patel, V. Chhaniwal, B. Javidi, Y. Verma, P.K. Gupta, A. Anand, "Automatic Identification of Malaria Infected Red Blood Cells with 3D Microscopy", International Conference on Optics and Opto-electronics(ICOL-2014), Dehradun, 05 - 08 March 2014.
6. N. Patel, V. Sinha, P. Vora, V. Chhaniwal, A. R. Moradi, B. Javidi, A. Anand, "Digital holographic Interferometric Microscopy for Quantitative Phase contrast imaging of dynamic micro-objects" International Conference on Contemporary Trends in Optics and Optoelectronics, 17-19 January 2011.