

## LIST OF PUBLICATIONS

### International Journals

1. **Nirmala devi, P** & Asokan, R 2014, 'An improved adaptive wavelet shrinkage for ultrasound despeckling', *Sadhana, Indian Academy of Sciences, Springer*, vol. 39, part 4, pp. 971–988. IF: 0.476.
2. **Nirmala devi, P** & Asokan, R 2015, 'An adaptive truncated wavelet filter for speckle removal in ultrasound images', *International Journal of Applied Engineering Research*, vol. 10, no. 2, pp. 2327-2337.
3. **Nirmala devi, P** & Asokan, R 2014, 'An enhanced homogeneity measure based signal variance estimation for speckle removal in ultrasound images', *Journal of Theoretical and Applied Information Technology*, vol. 64, no.3, pp.802-810.
4. **Nirmala devi, P** & Asokan, R 2013, 'A modified adaptive wavelet shrinkage speckle filter for ultrasound images', *Journal of Computer Science*, vol.9 , no.10 pp. 1406-1413.

### National Journal

1. **Nirmala devi, P** & Asokan, R 2013, 'Performance comparison of various speckle noise removal filters for ultrasound images', *i-manager's Journal on Electronics Engineering*, vol. 3, no. 4, pp.19-23.



## Conferences

1. **Nirmala devi, P**, Asokan, R & Kiruthika, P 2015, 'A novel despeckling algorithm for improving the quality of ultrasound images', International Conference on Emerging Trends in Engineering Technology.
2. **Nirmala devi, P**, Asokan, R & Renuka, AT 2015, 'Segmentation of fetal abnormalities using hybrid Chan-Vese with level set approach', International Conference on Emerging Trends in Engineering Technology.
3. **Nirmala devi, P**, Asokan, R & Prabhu, S 2014, 'A novel fusion based despeckling algorithm for ultrasound images' , International Conference on Innovations in Information, Embedded and Communication Systems-2014.
4. **Nirmala devi, P**, Asokan, R & Pradeep, KK 2014, 'A novel despeckling filter for ultrasound images, International Conference on Innovations in Information, Embedded and Communication Systems-2014.
5. **Nirmala devi, P**, Asokan, R & Sudarsana, PS 2013, 'A new adaptive wavelet shrinkage for speckle noise removal in ultra sound images using inter and intra scale dependencies' , International Conference on Bio Signals, Images and Instrumentation .
6. **Nirmala devi, P**, Asokan, R & Rajeswari, ST 2011, 'A novel wavelet based filters for speckle noise removal in color images', National Conference on Computing Technologies and Sciences'11.
7. **Nirmala devi, P**, Asokan, R, Keerthana Bagirathan & Dhevasree, N 2011, 'A novel impulse noise detection and removal method for color images using wavelet neural networks', National Conference on Signal Processing, Communication and VLSI Design '11.
8. **Nirmala devi, P** & Asokan, R 2010, 'An overview of classical, fuzzy and wavelet based approaches for noise removal in digital images', International Conference on Recent Advancements in Electrical Sciences.