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**ANNEXURE II**

**LIST OF PUBLICATIONS ( 5 YEARS)**

**JOURNAL PUBLICATIONS**

1. J. Granty Regina Elwin, **S. Joshua Kumaresan**, C. Ram Kumar, Ajith B. Singh, S. Marichamy, Ram Subbiah, Optimization of system and piezoelectric effect on PZT crystal, Materials Today: Proceedings, Nov 2020.
2. **S. Joshua Kumaresan**, Shaik Shameem, M. Priyadharshini, Mr. Vinodh James, R. Lakshmi Priya, "Real time object detection using Image Processing" European Journal of Molecular & Clinical Medicine, Vol. 7, Issue 4, pp. 2403-2411, Nov 2020
3. T. Manikandan, V. Nandalal, **S. Joshua Kumaresan**, J.L. Mazher Iqbal and A. Muruganandham, "Synthesis and Characterisation of Magnetic Nanoparticles for Lung Cancer Detection and Therapy" International journal of psychosocial rehabilitation, Vol. 24, Issue 05, pp 2730-2740, Mar 2020.
4. T. Manikandan, V. Nandalal, J.L. Mazher Iqbal, **S. Joshua Kumaresan** and S. Karthikeyan, "Protection of Plantation from Wild Animals Using Wireless Sensor Network" International journal of psychosocial rehabilitation. Vol. 24, Issue 05, pp 2719-2723, Mar 2020.
5. T. Manikandan, J.L. Mazher Iqbal, V. Nandalal, A. Muruganandham and **S. Joshua Kumaresan**, "An Automated Computer-aided Diagnosis System for Malignant Tumor Localization from Lung CT Images for Surgical Planning" International journal of psychosocial rehabilitation, Vol. 24, Issue 05, pp 2724-2729, Mar 2020.
6. **Joshua Kumaresan S**, Manikandan T, Shobana Priya Ms, Priyanka R and Nethaji Subash Chandra R 2019, 'IoT based Fragrance Tester', International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 1S
7. Manikandan T, Satheesh Kumar S, **Joshua Kumaresan S**, Shobana Priya Ms and Priyanka R 2019, 'Glaucoma Detection in Retinal Images using Automatic Thresholding and Marker-Controlled Watershed Transformation', International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 1S.
8. Priyanka R, Manikandan T, **Joshua Kumaresan S**, Muruganandham A and Karthick S 2019, 'Miniaturized Microstrip Patch Antenna for Microwave Imaging Application', International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 1S.
9. Shobana Priya M S, Manikandan T, **Dr. S. Joshua Kumaresan**, Satheesh Kumar S and Muruganandham A 2019, 'Implementation of Low Power and Area Efficient Vedic Multiplier' International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 1S.
10. Shobana Priya M S, Priyanka R, Manikandan T, **S. Joshua Kumaresan** and Satheesh Kumar S 2019 'Implementation of VLSI Architecture for Montgomery Modular Multiplier', International Journal of Innovative Technology and Exploring Engineering, Volume 9, Issue 1S
11. **Joshua Kumaresan S**, Raja Paul Perinbam. J & Ebenezer. D 2015, 'Person Identification with Iris Recognition based on Generalized Structure Tensor', Middle-East Journal of Scientific Research vol. 23 no.23 (Sensing, Signal Processing and Security), pp.184-189.
12. **Joshua Kumaresan S**, Raja Paul Perinbam. J, Ebenezer. D & Vasanthi. R 2015, 'Iris Recognition Optimized by ICA Using Parallel Cat Swarm Optimization', ARPN Journal of Engineering and Applied Sciences, vol.10, no.11, pp. 4942-4947.
13. Sharon Philip, **Joshua Kumaresan S**, Raja Paul Perinbam. J, Ebenezer. D 2015, 'Biometric Approach of Iris Recognition Using Geodesic Active Contours', International Journal of Applied Engineering Research, vol.10, no.17, p13423-13428.

#### CONFERENCE PUBLICATIONS

1. **Joshua Kumaresan S**, Manikandan T, Shobana Priya Ms, Priyanka R and Nethaji Subash Chandra R 2019, 'IoT based Fragrance Tester', International Conference on Emerging Intelligent Technologies and Applications, RMD Engineering College 23<sup>rd</sup> to 25<sup>th</sup> October, 2019.
2. Manikandan T, Satheesh Kumar S, **Joshua Kumaresan S**, Shobana Priya Ms and Priyanka R 2019, 'Glaucoma Detection in Retinal Images using Automatic Thresholding and Marker-Controlled Watershed Transformation', International Conference on Emerging Intelligent Technologies and Applications, RMD Engineering College, 23<sup>rd</sup> to 25<sup>th</sup> October, 2019.
3. Priyanka R, Manikandan T, **Joshua Kumaresan S**, Muruganandham A and Karthick S 2019, 'Miniaturized Microstrip Patch Antenna for Microwave Imaging Application', International Conference on Emerging Intelligent Technologies and Applications, RMD Engineering College, 23<sup>rd</sup> to 25<sup>th</sup> October, 2019.
4. Shobana Priya M S, Manikandan T, **Dr.S.Joshua Kumaresan**, Satheesh Kumar S and Muruganandham A 2019, 'Implementation of Low Power and Area Efficient Vedic Multiplier' International Conference on Emerging Intelligent Technologies and Applications, RMD Engineering College, 23<sup>rd</sup> to 25<sup>th</sup> October, 2019.
5. Shobana Priya M S, Priyanka R, Manikandan T, **S.Joshua Kumaresan** and Satheesh Kumar S 2019 'Implementation of VLSI Architecture for Montgomery Modular Multiplier', International Conference on Emerging Intelligent Technologies and Applications, RMD Engineering College, 23<sup>rd</sup> to 25<sup>th</sup> October, 2019.
6. R.Vasanthi and **S.Joshua Kumaresan**, "Iris Recognition Optimized by ICA Using Parallel Cat Swarm Optimization" at National Conference on Innovative & Emerging Trends in Engineering And Technology, Panimalar Institute of Technology, 14<sup>th</sup> May 2015, ISSN 0974-3588.
7. **S.Joshua Kumaresan**, "Person Identification with Iris Recognition based on Generalized Structure Tensor" at International Conference on Sensing, Signal Processing And Security, St. Peter's College of Engineering and Technology, 8th May, 2015.
8. **S.Joshua Kumaresan**, Raja Paul Perinbam.J and Ebenezer. D " Iris Authentication using ICA Optimized by Cuckoo Search Algorithm", International Conference on Emerging Trends in Engineering and Technology, KNSK college of Engineering, Nagercoil ,26th March 2015.
9. R.Vasanthi and **S.Joshua Kumaresan**, "Image segmentation using generalized tensor", Fourth International Conference on Futuristic trends in Electronics Engineering, (ICFTEE 2015), Thiruvalluvar College of Engineering and Technology, Vandavasi, 7-8 March 2015, ISSN 2279-0381.
10. Sharon Philip, **Joshua Kumaresan.S**, Raja Paul Perinbam.J, Ebenezer. D "Biometric Approach of Iris Recognition Using Geodesic Active Contours" in Second International Conference on Green technologies for Power generation, Communication and instrumentation, ICGPC '15 , St Peter's University ,Chennai , 26-27 February 2015.