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JOURNAL PUBLICATION

1. Preethi Rajam, C.R., Uma Maheswari, N., Jeyanthi, S., **Somasundaram S K** (2019), "Psychological stress prediction on social media using convolutional neural network", International Journal of Recent Technology and Engineering, 8(2 Special Issue 11), pp. 3464-3468. [SCOPUS]
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5. **Somasundaram S K** & Alli P (2017), "A Machine Learning Ensemble Classifier for Early Prediction of Diabetic Retinopathy", Journal of Medical Systems, vol. 41, Issue 12, Article: 201, pp. 1- 25. [SCI/SCOPUS]
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7. Vishnu Priya V and **Somasundaram S K** (2016), "A Latent Dirichlet Allocation Algorithm for Pattern-Based Topic Filtering", Middle-East Journal of Scientific Research, 24 (Special Issue on Innovations in Information, Embedded and Communication Systems): pp.340-345.
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13. **Somasundaram S K** (2014), "Disparity-Map-Based Rendering for Hole Prevention" in International Journal of Emerging Research in Management and Technology, Volume 3, Issue 2, pp.250-255.
14. Priyanka S and **Somasundaram S K** (2014), "An Improved Joint Statistical Texture Distinctiveness Method For Melanoma Detection", International Journal of Advanced and Innovative Research, Volume 3 Issue 12, pp.2278-7844.
15. **Somasundaram S K** (2013), "An Ultrafast and Efficient Method Optic Disc Localization and Optic Disc Boundary Segmentation for Diagnosis of Diabetics Retinopathy" in International Journal of Advanced and Innovative Research, Volume 2, Issue 3, pp.1-5
16. **Somasundaram S K** and Dr. Alli P (2012), "A Review on Recent Research and Implementation Methodologies on Medical Image Segmentation" in Journal of Computer Science [Science Publications], pp.170 - 174. [SCOPUS]

BOOK CHAPTER

1. **Somasundaram S K** & Dr. Alli P (2019) "Optimal Feature Selection and Extraction for Eye Disease Diagnosis", Medical Image Processing for Improved Clinical Diagnosis, IGI Global, pp. 100-112.

CONFERENCES ATTENDED

1. G Karthikeyan & **Somasundaram S K** (2017), "Detecting And Recognizing The License Plate Number For Fast Moving Vehicle Using Smearing Algorithm", Tenth National Conference on Next Generation Technology in Computing & Communication, (NGTCC-2017), PSNA College of Engineering and Technology, Dindigul, Tamil Nadu.
2. G Karthikeyan & **Somasundaram S K** (2016), "A Survey On Blur Kernel Estimations To Identify The Number Plate Images For Fast Moving Vehicles", International conference on computational intelligence and computing - ICCIC 2016, Apollo Engineering College, Chennai, Tamil Nadu.

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4. Bhavithra N and **Somasundaram S K** (2014), "Adaptive image warping using Disparity Map-Based Rendering for hole prevention in 3D view synthesis" in The International Conference On Recent Innovations In Engineering – Icrie'14 at Sri Subramanya College Of Engineering And Technology, Palani, Tamilnadu, pp.102-109.
5. Bhavithra N and **Somasundaram S K** (2013), "Survey on Grid Based Image Warping for Hole Prevention in 3D View Synthesis" in the 2nd International Conference on Design and Applications of Structures, Drives, Communicational and Computing Systems at K.L.N. College of Information Technology, Sivagangai, Tamil Nadu, pp.88-95.
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8. Anju.J. Prakash and **Somasundaram S K** (2011) "Wavelet Based Synthetic Aperture Radar Image Despeckling using Particle Filter" in the National Conference on Recent Trends in Electronics World at T.K.M. Institute of Technology, Kollam, Kerala, pp. 450-454.
9. Sree Dhivya S and **Somasundaram S K** (2011) "Energy Efficient Shortest-Path Routing in MANET" in the National Conference on Recent Trends in Electronics World at T.K.M. Institute of Technology, Kollam, Kerala, pp. 455-459.
10. Manivannan K and **Somasundaram S K** (2009) "A QOS affirmation system model for Content Delivery network" in the International Conference on ICC '09 at Sairam College of Engineering, Chennai, pp. 365-372.
11. **Somasundaram S K**, Murugavalli S, Mutumayil K (2007) "A Brain Tumor Segmentation based on Spatial and Geometrical Constraints" in the National Conference on MEPCOIT '07 at MEPCO Schlenk Engineering College, Sivakasi, pp. 165-169.
12. **Somasundaram S K**, Murugavalli S (2007) "A Brain Tumor Segmentation" in the National Conference on DSOFT '07 at J.J. College of Engineering and Technology, Trichirappalli , pp. 77-85.