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**JOURNAL PUBLICATION**

1. PreethiRajam, 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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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

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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 2<sup>nd</sup> 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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9. SreeDhivya 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.
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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.