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## LIST OF SCOPUS INDEXED JOURNALS-UNDER SCIMAGO JOURNALS AND COUNTRY RANK

| Sl.No              | Title  | Author   | Year | Journal  | Quartile                | H-INDEX |
|--------------------|--|--|------|--|-------------------------|---------|
| <b>Year – 2022</b> |  |  |      |  |                         |         |
| 1.                 | Autism Spectrum Disorder Therapy: Analysis of Artificial Intelligence integrated Robotic Approach  | Ananya Ananth Rao, Shaun Qien Yeau Tan, Raghavi R, Archit Srivastava, CH Renumadhavi | 2022 | Journal of Physics: Conference Series 2161   | <b>Not yet assigned</b> | 85      |
| 2.                 | Classification of Brain Tumours using Hybridized Convolutional Neural Networks in Brain MRI Images   | Shwetha V, CH.Renu Madhavi and Nagendra Kumar M                                      | 2022 | International Journal of Circuits, Systems and Signal Processing, Vol 16, 2022, pp561-570.,E-Issn:1998-4464. | Q4                      | 15      |
| <b>Year – 2021</b> |  |  |      |  |                         |         |
| 1.                 | An improved transfer learning approach towards breast cancer classification on deep residual network   | Rajasree P.M., Jatti A., Santosh D.  | 2021 | Indian Journal of Computer Science and Engineering, Volume 14, Issue 4, page no:1136-1148                    | Q4                      | 3       |
| 2.                 | 3D Image Generation from Single Image Using Color Filtered Aperture and 2.1D Sketch-A Computational 3D Imaging System and Qualitative Analysis | Deshpande R.R., Renu Madhavi C., Bhatt M.R.  | 2021 | IEEE Access, Volume 9  | Q1                      | 158     |
| 3.                 | Evaluation of performance metrics of thyroid segmentation by deep learning technique   | Shenoy N.R., Jatti A.  | 2021 | International Journal of Biology and Biomedical Engineering, Volume 21, Issue 3, page:1424-1434              | Q4                      | 7       |



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|--------------------|--|---|------|---|----|-----|
| 4.                 | Accuracy in Depth Recovery and 3D Image Synthesis from Single Image Using Multi-Color Filter Aperture and Shallow Depth of Field | Deshpande R.R., Bhatt M.R., Renu Madhavi C.H. | 2021 | IEEE Access,  | Q1 | 158 |
| 5.                 | A novel secure biomedical data aggregation using fully homomorphic encryption in WSN   | Chethana G., Padmaja K.V.                     | 2021 | Indonesian Journal of Electrical Engineering and Computer Science, Volume 24, Issue 1,page:428-         | Q3 | 23  |
| 6.                 | Relative Merits of Data Mining Algorithms of Chronic Kidney Diseases   | Herle H., Padmaja K.V.                        | 2021 | International Journal of Advanced Computer Science and Applications, Volume 12,Issue 6, page no:575-583 | Q3 | 23  |
| <b>Year – 2020</b> |  |   |      |   |    |     |
| 1.                 | Performance Assesemnt of Ultrasound Kideny Images using De-speckling algorithms  | Harsha Herle and Dr.K.V.Padmaja               | 2020 | Indian Journal of Computer Science and Engineering  | Q4 | 1   |
| 2.                 | Integer Matrix Keys for Secure Data Aggregation in Clustered Wireless Sensor Networks  | G. Chethana, and K.V. Padmaja                 | 2020 | International Journal of Electronics and Telecommunications.  | Q3 | 18  |
| 3.                 | Application Of Machine Learning Algorithm To Diagnose Prenatal Ventricular Septal Defects From Ultrasound Images                 | Kavitha. D , C. H. Renumadhavi and S. Sridevi | 2020 | ARPJ Journal of Engineering and Applied Sciences  | Q2 | 27  |
| 4.                 | Design and FPGA Implementation of high throughput and low latency FDOR based NoC for high speed communications                   | Amaresh. C, Dr.Anand Jatti                    | 2020 | International Journal of Interdisciplinary Global Studies   | Q4 | 2   |
| 5.                 | Breast Cancer segmentation & Classification of image using ResNet  | Kumar, N.M., Jatti, A., Venu, K.N.            | 2020 | International Journal of Advanced Trends in Computer Science and Engineering                            | Q4 | 11  |
| 6.                 | Breast cancer classification of image using modified-Resnet  | Nagendra Kumar, M., Jatti, A., Mahendra, S.J. | 2020 | Journal of Advanced Research in Dynamical and Control Systems   | Q3 | 17  |



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**Year - 2019**



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|----|--|--|------|--|----|----|
| 1. | Design of wearable Haptic Gloves: Virtual Environment Technology   | CH.RenuMadavi,<br>Abhinav Bijapur,<br>Poornachadra Bhat,<br>Sagar C Anand and<br>Vidhyashree | 2019 | Springer's<br>Journal of Advanced<br>Research Dynamical and<br>Control systems     | Q3 | 17 |
| 2. | Efficient Design and FPGA Implementation of Microarchitecture for Network –on –chip Routers  | Amaresh C, AnandJatti  | 2019 | International Journal of<br>Innovative Technology and<br>Exploring<br>Engineering, | Q4 | 40 |
| 3. | Design of equalizer for ADSL modem   | Katiyar, R., Padmaja,<br>K.V.  | 2019 | Indian Journal of Public<br>Health Research and<br>Development                     | Q4 | 11 |
| 4. | Segmentation of white blood cells using integrated process of improved spectral angle mapper, gram-schmidt orthogonalization with K-means clustering | Puttamade Gowda,<br>J., Prasanna Kumar, S.C.   | 2019 | International Journal of<br>Innovative Technology and<br>Exploring Engineering     | Q4 | 40 |
| 5. | A novel approach to jointly address localization and classification of breast cancer using bio-inspired approach                                     | Sushma, S.J., Prasanna<br>Kumar, S.C.  | 2019 | International Journal of<br>Electrical and Computer<br>Engineering                 | Q2 | 19 |
| 6. | Development of a hybrid framework to characterize red lesions for early detection of diabetic retinopathy  | Devaraj, D., Prasanna<br>Kumar, S.C.   | 2019 | Indonesian Journal of<br>Electrical Engineering and<br>Computer Science            | Q3 | 14 |
| 7. | An efficient computational approach to balance the trade-off between image forensics and perceptual image quality                                    | Shashidhar,<br>T.M., Ramesh, K.B.  | 2019 | International Journal of<br>Electrical and Computer<br>Engineering                 | Q2 | 19 |
| 8. | Framework for cost-effective analytical modeling for sensory data over cloud environment   | Manujakshi,<br>B.C., Ramesh, K.B.  | 2019 | International Journal of<br>Electrical and Computer<br>Engineering                 | Q2 | 19 |



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|--------------------|--|---|------|---|----|----|
| 9.                 | Multi-physics modeling to study the influence of tissue compression and cold stress on enhancing breast tumor detection using microwave radiometry | Akki, R.S., Sugumar, P., Venkata, K.C., Arunachalam, K. | 2019 | Bioelectromagnetics   | Q2 | 78 |
| 10.                | Design and implementation of secured agent based noc using shortest path routing algorithm   | KendagannaSwamy, S., Jatti, A, Uma, B.V                 | 2019 | International Journal of Electrical and Computer Engineering      | Q2 | 19 |
| <b>Year - 2018</b> |  |   |      |   |    |    |
| 1.                 | Estimation of Spectral Entropy of HRV Data and its Application to Depression and Thyroid Subjects to Predict Cardiac Risk                          | CH.RenuMadhavi  | 2018 | Biomedical & Pharmacology Journal                                 | Q4 | 14 |
| 2.                 | Efficient H.264 decoder architecture using external memory and pipelining  | Poornima, G.R., Prasanna Kumar, S.C.                    | 2018 | Indonesian Journal of Electrical Engineering and Computer Science | Q3 | 14 |
| <b>Year - 2017</b> |  |   |      |   |    |    |
| 1.                 | Reviewing the effectivity factor in existing techniques of image forensics   | Shashidhar, T.M., Ramesh, K.B.                          | 2017 | International Journal of Electrical and Computer Engineering      | Q2 | 19 |
| 2.                 | Computer aided classification using support vector machines in detecting cysts of jaws   | VeenaDivya, K., Jatti, A., Revan Joshi, P., Meharaj, S. | 2017 | Advances in Science, Technology and Engineering Systems           | Q3 | 7  |
| 3.                 | A survey on EEG signal acquisitions for non-invasive method ASIC's   | Sandesh, R.S., Venkatesan, N.                           | 2017 | International Journal of Biomedical Engineering and Technology    | Q4 | 17 |
| <b>Year - 2016</b> |  |   |      |   |    |    |



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|--------------------|---|---|------|--|------------------|----|
| 1.                 | LabVIEW-based design and control of five-digit anthropomorphic robotic hand using EEG signals | Sandesh,<br>R.S., Venkatesan, N.  | 2016 | International Journal of Biomedical Engineering and Technology | Q4               | 17 |
| <b>Year - 2015</b> |   |   |      |  |                  |    |
| 1.                 | Compressed sensing methods for DNA microarrays, RNA interference, and metagenomics            | Rao, A., P,<br>D., Renumadhavi,<br>C.H., Chandra,<br>M.G., Srinivasan, R. | 2015 | Journal of Computational Biology, 2015, 22(2), pp. 145–158     | Q2               | 92 |
| 2.                 | Early detection of lung cancer using nano-nose - A review                                     | Fernandes,<br>M.P., Venkatesh,<br>S., Sudarshan, B.G.                     | 2015 | Open Biomedical Engineering Journal                            | Q3               | 19 |
| 3.                 | Hybrid partitioning algorithm for area minimization in circuits                               | Rajine Swetha,<br>R., Sumithra Devi,<br>K.A., Yousef, S.                  | 2015 | Procedia Computer Science                                      | NOT YET ASSIGNED | 59 |