



Department of Computer Science and Engineering
Manonmaniam Sundaranar University, Tirunelveli-12



Dr. P. Arockia Jansi Rani B.E., M.E., Ph.D.
Associate Professor

Academic Details

Area of Specialization Digital Image Processing
Neural Networks
Data Mining

Research Experience 11
Teaching Experience 18
Ph.D. Guidance On-going : 6
Submitted : 1
Awarded : 10

Programme(s)	Organized	Attended
Workshops	6	17
Seminar	2	11
Conference	1	5

Additional Responsibility

Director, Online Courses, MSU

Position Held

Member of Syndicate, MSU (July 2015-March 2017)

Invited Talks Delivered : 7

Personal Details

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Research Details

Research Publications

Publications	No. of Publications
Journals	53
Conferences	30
Book Chapters	2

Citations and Indexing

Citations	
Google scholar	147
Scopus	48
Web of Science	28
IRINS	47
Indexing	
Google Scholar	7
Scopus	5
Web of Science	3
IRINS	5

Personal Website

<https://jansimsu.wordpress.com/>

orcid.org/0000-0003-2412-0106

E-learning site

<https://jansimsu.moodlecloud.com/>

List of Significant Publications

1. J.Kavitha, P. Arockia Jansi Rani, *Static and Multiresolution Feature Extraction for Video Summarization*, Procedia Computer Science (2015), 47: 292. <https://doi.org/10.1016/j.procs.2015.03.209>, Indexed in SCOPUS, Google Scholar, UGC listed, **Elsevier Publication**.
2. S. Sowmyayani, P. Arockia Jansi Rani, *Frame Differencing based segmentation for low bit rate video codec using H.264*, International Journal of Computational Vision and Robotics, <https://doi.org/10.1504/IJCVR.2016.073757>, available in ACM digital library, **Inderscience Publication (2016)**
3. J.Kavitha, P. Arockia Jansi Rani, S. Sowmyayani, *Wavelet based Feature Vector for Shot Boundary Detection*, International Journal of Image and Graphics, <https://doi.org/10.1142/S0219467817500024>, (2017) **Indexed in Web of Science**, UGC listed, **World Scientific Publication**.
4. Mohamed Fathimal P & Arockia Jansi Rani P, *Hierarchical Threshold Secret Sharing Scheme for color images*, Multimed Tools Appl (2017) 76: 5489. <https://doi.org/10.1007/s11042-016-4074-y>, **Indexed in SCOPUS**, Web of Sciences, IET Inspec, Google Scholar, ProQuest, ACM Digital Library, CSI, DBLP, JCR; **Springer Publication**. **IF:2.313**.
5. Mohamed Fathimal, and Arockia Jansirani, *New Fool Proof Examination System through Color Visual Cryptography and Signature Authentication*, The International Arab Journal of Information Technology, Vol. 16, No. 1, January 2019, Scopus: EID: 2-s2.0-85067830403, Web of Science, SCIE indexed, **IF: 0.654**
6. M. Asha Paul, P. Arockia Jansi Rani & J. Liba Manopriya, *radient Based Aura Feature Extraction for Coral Reef Classification*, Wireless Personal Communications, Vol. 114, pp:49–166, April 2020, **IF: 1.06**