

List of Journals

1. **Jeyarani, J., D. Sriram Kumar and B.E Caroline**, Disaster Management using Free Space Optical Communication System. *Photonic Network Communication – Springer Journals*, (2019).
2. **J.Jeyarani, Kumar DS, Caroline BE** A Novel Ergodic Capacity Analysis of MISO OFDM –PDM for Free Space Optical Communication System, *Optik, ELSEVIER*. (2019),Vol. 185,pp 1220-1225.
3. **J. Jeyarani, D. Sriram Kumar and B. Elizabeth Caroline (2018)** PolSK and ASK Modulation Techniques Based BER Analysis of WDM-FSO System for Under Turbulence Conditions. *Wireless Personal Communications*, **103**, 3221-3227.
4. **J. Jeyarani, D. Sriram Kumar and B.E Caroline (2018)** Performance analysis of free space optical communication system employing WDM-PolSK under turbulent weather conditions. *Journal of Optoelectronics and Advanced Materials*, **20**, 506-514
5. **J.Jeyarani and D.SriramKumar (2018)** Performance Analysis of Two Way All-Optical Relay Assisted PM-FSO over Different Weather Conditions. *Visnyk NTUU KPI Seriiia – Radiotekhnika Radioaparatabuduvannia*, **74**, 30–35.
6. **Jeyarani, J., D. Sriram Kumar, (2015)** Performance of Free Space Optical system for PolSk and QPSK, *International Journal of Applied Engineering Research*, 10, 200043-200048.

List of Conferences

INTERNATIONAL CONFERENCES

1. **Jeyarani, J., D. Sriram Kumar and B.E Caroline**, “Performance Analysis of PolSK MIMO -FSO over Strong Atmospheric Turbulence Conditions’)- *IMICPW,IEEE Conference* , May 22-24 at NIT, Trichy
2. **J.Jeyarani and Dr. D.SriramKumar (2017)** Performance Analysis of Multiuser FSO System Using Polsk Modulation under Different Weather Conditions. *International*

Conference on Microwave and Optical communication(ICMOC), Karaikudi, India, March 2017.

3. **J.Jeyarani and Dr.D.SriramKumar** (2015) Fading Mitigation technique for MIMO in Free Space Optical System. *International Conference on Green Engineering and Technology (IC-GET 2015)*, Coimbatore, India, November 2015 .
4. **J.Jeyarani and Dr. D.SriramKumar** (2015) BER Analysis of Serial Relay Assisted FSO Systems over Strong Atmospheric Turbulence. *International Conference on Signal Processing, Communication, and Networking (ICSCN)*, Chennai, India, March 2015.
5. **J.Jeyarani and Dr. D.SriramKumar** (2014) Relay and Forward in Free Space Optical Communication-A Qualitative Review. *International Conference on Light and Matter, (AIP Proceedings)*, Calicut, India, March 2014.
6. **Neethi Adhithya , Jeyarani, J., and B.E Caroline(2020)** Design Of Reconfigurable Tri-Band Antenna For Mobile Communication And RFID Recent Advances in Smart System Automation, Computing and Communication” on 28th & 29th August, 2020, IFET College of Engineering
7. **J.Jeyarani B. Elizabeth Caroline, , Mrs.G.Sheeba, Mrs.Salma Rosline Mary,** “VLSI Implementation and performance Evaluation of Adaptive Filters for Impulse Noise Removal” , IEEE International Conference on Emerging Trends in Science, Engineering and Technology ,Dec’2012,pp.294-299.
8. **B. Elizabeth Caroline, Mrs.J.Jeyarani, Mrs.G.Sheeba, Salma Rosline Mary,** “Reconfigurable DCT/IDCT architecture for video codec: A Review” IEEE- Third International Conference on Computing, Communication and Networking Technologies, Jul’2012,pp.1-6.

NATIONAL CONFERENCES

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1. Presented a Paper in the National Conference on ‘*Emerging Trends in Communication*’ held on 28.02.2007 by Dhanalakshmi Srinivasan Engineering College, Perambalur.

2. Presented a Paper in the National Conference on ***'Implementation of Incremental Principal components Analysis'*** held on 12/03/2010 by Dhanalakshmi Srinivasan Engineering College, Perambalur.
3. Presented a paper on ***"Enhanced Local Texture Feature sets for Face Recognition Under difficult light conditions"*** in a national conference conducted by Saranathan College of Engineering, Trichy on 26.05.2011.
4. Presented a paper on ***"Design & Implementation of Adaptive Rank Order Filter in Reconfigurable device for Impulse Noise Removal"*** in a national conference conducted by Mepco Schlenk Engg College on 02.02.2012.
5. Presented a paper on ***"VLSI Implementation of Adaptive Rank Order Filter for Impulse Noise Removal"*** in a national conference conducted by JJ college of Engineering & Technology on 30.03.2012.
6. Presented a paper on ***"Face Recognition system using multiple face model of hybrid Fourier Feature under controlled illumination"*** in a national conference conducted by JJ college of Engineering & Technology on 30.03.2012.