List of Papers / Publications of Dr.A.Sivasubramanian (last 5 years) :

1. RG Jesuwanth Sugesh, **A Sivasubramanian**, "Analysis of Carrier Depletion PIN Phase Shifter for 50 Gbps Operation", Data Security in Internet of Things Based RFID and WSN Systems Applications Journal, pg:79,Year :2020,

2. Shameem Saifuddin, **A Sivasubramanian,** Arunagiri Sivasubramanian, "Comparison study of digital modulated signals in a DRA based DWDM communication system", Procedia Computer Science journal, Volume:172,Year:2020, Elsevier Publisher.

3. Yashodhan Mandke, **A Sivasubramanian,** Rabinder Henry, "Design, Fabrication and characterisation of TE Mode MZI Device for Silicon Photonics Integrated Circuit", 2019 IEEE 5th International Conference for Convergence in Technology (I2CT),pg:1-5.

4. Shameem Saifuddin, **A Sivasubramanian,** "Performance analysis of distributed Raman amplifiers using different pumping methods in DWDM communication systems", Journal of Optical Communications, Volume:1, Year:2018.

5. S Shameem, A Sivasubramanian," Performance Improvement of Gain in Distributed Raman Amplifier Using Forward and Backward Pumps", Optical And Microwave Technologies, pg:221-227,Year:2018.

6. RG Jesuwanth Sugesh, **A Sivasubramanian,** "Redesigning Mach-Zehnder Modulator with Ring Resonators", Optical And Microwave Technologies,pg:185-191, Springer publisher, Year :2018.

7. AM Balamurugan, **A Sivasubramanian**, B Parvathavarthini, "Secured Hash Based Burst Header Authentication Design for Optical Burst Switched Networks", Journal of Optical Communications,Volume:38, Issue:4,pg:433-438, Year:2017.

8. S Mohanalakshmi, **A Sivasubramanian**, A Swarnalatha,"Predicting arterial stiffness from physiological characteristics of photoplethysmography signals quantified through second derivative", Indian Journal of Science and Technology,Year:2017.

9. B Vasudevan, **A Sivasubramanian,** M Ramesh Babu, "Optical study on Er-Yb Co-doped boro-tellurite glasses for optical amplifiers" Journal of Optoelectronics and Advanced Materials, Vol.19,Issue1-2, pg:11-15,Year:2017.

10. S Mohanalakshmi, **A Sivasubramanian,** A Swarnalatha,"Statistical analysis of pulse rate variability quantified through second derivative photoplethysmogram (SDPPG) and its compatibility with electrocardiographic (ECG) heart rate variability", Biomedical Research Publisher, Year:2017.

11. V Sasikala, K Chitra, **A Sivasubramanian**,"Design of efficient all optical switching encoder using XOR gate based on SOA non linearity", International Conference on Fibre Optics and Photonics,pg.3A 27, Year:2016.

12. Bhupeshwaran Mani, A Jawahar, S Radha, K Chitra, **Arunagiri Sivasubramanian**," Combined influence of third-order dispersion, intra-pulse Raman scattering, and self-steepening effect on soliton temporal shifts in telecommunications" ,Photonic Network Communications Journal, Vol.32, Issue 1,pg:73-88,Year:2016.

13. S Vinayagapriya, **A Sivasubramanian**, "Mitigation of PMD and PDL induced signal degradation using Levenberg-Marquardt algorithm", Optoelectronics and Advanced Materials-Rapid Communications Journal, Vol.10, Issue: May-June 2016,pg:447-452.

14. AM Balamurugan, **A Sivasubramanian**, B Parvathavarthini, "QKD-based secured burst integrity design for optical burst switched networks", Journal of Optical Communications,Vol.37, Issue:1,pg:31-36,Year:2016.

15. MP Prabakaran, **A Sivasubramanian**, A Jawahar, K Chitra, "Performance Analysis of Wavelet Packet Transform Based De-Noising Receiver for Visible Light Communication by using Single Source" International Journal of Engineering Research in Africa, Vol.20, pg:195-201,Year:2016

16. Bhupeshwaran Mani, Jawahar, K Chitra, **A Sivasubramanian**, "Role of positive and negative third order dispersion (TOD) on soliton interaction in 160 Gbps telecommunication system" , Journal of Nonlinear Optical Physics & Materials, Vol24, Issue:4, pg:1550044, Year:2015.

17. Bhupeshwaran Mani, A Jawahar, **A Sivasubramanian**, K Chitra, "Role of negative-third order dispersion, intrapulse Raman scattering and self steepening effect on soliton intra-channel interaction", International Conference on Photonics Solutions 2015, Vol.9659, Issue:96590V, Year:2015.

18. S Mohanalakshmi, **A Sivasubramanian**, "Optical sensor systems for the Non-Invasive assessment of Arterial Stiffness quantified by fourth derivative of Photoplethysmogram", Biomedical Engineering: Applications, Basis and Communications, Vol.27, Issue:3, pg:1550021,Year:2015.

19. Bhupeshwaran Mani, K Chitra, **A Sivasubramanian**, "Realization of soliton interaction in 100 Gbps, uncompensated single channel telecommunication system implemented with various telecom fibers", Optical and Quantum Electronics, Vol.47, Issue:7,pg:1637-1658,Year:2015.

20. Bhupeshwaran Mani, S Radha, A Jawahar, **A Sivasubramanian,** "Characteristic Study on Conventional and Soliton Based Transmission System", International Journal of Electronics and Communication Engineering, Vol.9, Issue:6, pg:1417-1426, Year:2015.

21. GS Uthayakumar, S Inbasekaran, **A Sivasubramanian**, S Justin Packia Jacob, "Nanoparticle analysis for various medicinal drugs and human body saliva at macromolecular level" ,Applied Nanoscience Journal, Vol.5, Issue:5, pg:563-568, Year:2015.

22. MP Prabakaran, **A Sivasubramanian**, K Chitra, R Satheesh, M Vaikundarajan, P Sathis Kumar, R Balaji Ram, "Experimental analysis of optical wireless system in LOS link using BPSK", Optoelectronics and Advanced Materials-Rapid Communications Journal, Vol.9, Issue :5-6, pg:582-586,Year:2015.

23. B Vasudevan, **A Sivasubramanian,** "Characteristic study of Erbium (Er), Ytterbium (Yb) and Er-Yb Co-doped Optical fiber amplifiers", Optoelectronics and Advanced Materials-Rapid Communications Journal, Vol.9, Issue: May-June 2015, pg:608-612, Year:2015.

24. Bhupeshwaran Mani, A Jawahar, K Chitra, **A Sivasubramanian**," Combined influence of intrapulse Raman scattering and self-steepening effect on soliton interaction in 160 Gbps system", 2015 International Symposium on Next-Generation Electronics (ISNE), pg:1-4.