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### **LIST OF PUBLICATIONS**

#### **International Journals:**

- 1. Y. P. Arul Teen,**Subha.M,Shahul Hameed Shabeer, K.B.Rajesh 2020, “Programmable multiplier circuit designed for quantum-dot cellular automata devices” Journal of Materials Today Proceedings, Available Online:<https://doi.org/10.1016/j.matpr.2020.06.464>.
- 2. Y. P. Arul Teen,**NimmyLazer, T. Nathiyaa, and K. B. Rajesh2019, ‘Investigation on Hollow Beam Propagation through Turbulence Conditions in Free Space Optical Communication’,*Journal of Optical Memory and Neural Networks*, . ISSN 1060-992X, Vol. 28, No. 4, pp. 296–305. © Allerton Press, Inc., 2019.
- 3. Y. P. Arul Teen,** T. Nathiyaa, K. B. Rajesh &S. Karthick 2018, ‘ Bessel Gaussian Beam Propagation through Turbulence in Free Space Optical Communication’, *Journal of Optical Memory and Neural Networks*, Vol. 27, No. 2, pp. 81–88. © Allerton Press, Inc., 2018.
- 4. Arul Teen Y P,** RenishHepziba, Samista M , Smiley S &Sugirtha S 2018, ‘ Intelligent optical transceiver in under ocean’,*International journal of*

*innovative research explorer*, volume 5, ISSUE 4, pp.157-162, ISSN NO: 2347-6060.

5. **Arul Teen Y P**, HyzinttablessyH, Chris Diviya N & Pavithra R L 2018, 'Smart streetlight with lifi and highway crash rescue system', *International journal of innovative research explorer*, volume 5, ISSUE 4, pp.163-169, ISSN NO: 2347-6060.
6. **Arul teen, YP**, Suresh, P, Rajesh, KB & Pillai, TVS 2015 (December), 'Study on Intensity distributions of a BG beam with effect of tilt and astigmatism aberration in a turbulent atmosphere', *Optik - International Journal for Light and Electron Optics*, vol.126, Issue 23, pp.3830-3837. **ISSN: 00304026**.
7. **Arul teen, YP**, Nathiyaa, T, Rajesh, KB, Ravi, V & Pillai, TVS 2014 (October), 'Effect of tilt and astigmatism aberration of turbulent atmosphere on the intensity distributions of a LG11 beam', *Optik*, vol. 125, Issue 19, pp. 5780-5784, **ISSN: 00304026**.
8. Suresh, P, Rajesh, KB, Pillai, TVS, Asan Mohideen, K & **Arul teen, YP** 2014, 'Sub wavelength multiple focal spot generation of high NA objective lens using diffractive optical element', *Journal of Optik*, vol. 125, no. 15, pp. 3829-3832, **ISSN: 00304026**.
9. **Arul teen, YP**, Suresh, P, Rajesh, KB & Pillai, TVS 2014, 'Experimental Phase Jitter and Bandwidth Analysis of Pulse Modulation Schemes under Turbulence Conditions in Free Space Optical Communication', Accepted for publish in *Optik - International Journal for Light and Electron Optics*, Reference: 13-2050
10. S. Vigneswaran, Nathiyaa, T, **Arul Teen**, Gokulakrishnan, K, Rajesh, KB 2012, 'Study on Propagation Properties of Higher Order Bessel- Gaussian Beam through Different Optical System in Free Space Optical Communication' . **CiiT International Journal of Digital Signal Processing**, Vol 4, No 7.

#### **National Journals:**

11) **Arul teen,YP**,Suresh,P &Pillai,TVS 2015, 'Analysis of Pulse Modulation Schemes in Underwater Communication Using Different Laser Sources', Journal of Environmental Nanotechnology, vol. 4, no. 1,pp. 1-12.*ISSN (Online): 2319-5541.*

➤ **Conferences**

**a. International Conferences:**

- a. **Arul Teen.Y.P**, Nimmy 2019, 'Free Space Optical Communication and Laser Beam Propagation through Turbulent Atmosphere: A brief Survey' Proceedings of the IEEE International Conference on Recent Advances in Energy-Efficient Computing and Communication (ICRAECC2019)held on 7th and 8th March 2019 at St.Xaviers Catholic College of Engineering,Nagercoil.**INSPEC Accession Number: 19361117, DOI:10.1109/ICRAECC43874.2019.899497.**
- b. S. Karthick ; S. PerumalSankar ; **Y.P. Arul Teen** 2018," Trust-Distrust Protocol for Secure Routing in Self-Organizing Networks" IEEE International Conference on Emerging Trends and Innovations In Engineering And Technological Research (ICETIETR), **INSPEC AccessionNumber: 18249661,DOI: 10.1109/ICETIETR.2018.8529016.**
- c. **Arul Teen,YP**,Nimmy 2017, 'Jitter Analysis of Gaussian Beam propagation in FSO communication' Proceedings of the International Conference MEETCON'17 at St.Xaviers Catholic College of Engineering,Nagercoil. ISBN:13978-81-927227-0-2.
- d. **Arul teen,YP**, Suresh,P, Rajesh, KB & Pillai TVS 2014, 'Analysis of pulse modulation schemes under turbulence conditions in FSO', Proceedings of the International Conference on Optics and Optoelectronics XXXVIII Symposium of Optical Society of India,IRDE,Dehradun,pp. 157.