

Dr.Y P Arul Teen - 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**, Nimmy Lazer, T. Nathiyaa, and K. B. Rajesh 2019, ' 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**, Renish Hepziba, 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**,Hyzintta blessy H,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. Perumal Sankar ; **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 Accession Number: 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.