

LIST OF PUBLICATIONS

International / National Journals

- K. Tamilarasan, J. Rajesh Banu, C. Jayashree, K.N. Yogalakshmi, **K. Gokulakrishnan**. (2017), 'Effect of organic loading rate on electricity generating potential of upflow anaerobic microbial fuel cell treating surgical cotton industry wastewater', Journal of Environmental Chemical Engineering (5) 1021–1026.
- O. Ganeshbabu, M.C. Sashikkumar, M. Vijayaraj, **K. Gokulakrishnan**, N. Sakthieswaran. (2016), 'Assessment of Groundwater Quality in the District of Erode, Tamil Nadu, India', International Journal of Advanced Engineering Technology, Vol. VII, Issue II.
- Dhasan Aswin Raj, **K. Gokulakrishnan**. (2015), 'Performance Measure of FSO by Modified AND Subtraction Method', International Journal of Scientific Engineering and Research (IJSER), Vol. 3, Issue 5.
- P. Syed Ali Fathima Aasia, **K. Gokulakrishnan**, J. Jesu Vedha Nayahi. (2015), 'Supervised Learning Approach for Performance Evaluation of Digital Fundus Image Quality ', International Journal of Scientific Engineering and Research (IJSER), Vol. 3, Issue 5.
- Nandhini, **K. Gokulakrishnan**. (2015), 'Design of Ultra High Capacity DWDM System with Different Modulation Formats', International Journal of Scientific Engineering and Research (IJSER), Vol. 3, Issue 5.
- S.Esther Jenifa, **K. Gokulakrishnan**. (2015), 'Performance Measures of DWDM System under the Impact of Four Wave Mixing ', International Journal of Scientific Engineering and Research (IJSER), Vol. 3, Issue 5.
- **K. Gokulakrishnan**, T. V. Sivasubramonia Pillai. (2015), 'Investigation of Azimuthally Polarized Besselmodulated Gaussian Beam with Annular Obstruction', J. Environ. Nanotechnol, Vol. 4, No.1, pp. 32-36.
- **Gokulakrishnan. K**, Suresh. P, Sivasubramonia Pillai, TV & Rajesh, KB. (2014), 'To construct a stable and a tunable optical trap in the focal region of high numerical aperture lens', SPIE –Optical Engineering, 53 (5), 055106-6, (Impact factor – 1.078).
- **Gokulakrishnan. K**, Suresh. P, Mariyal. C, Sivasubramonia Pillai, TV & Rajesh, KB. (2014), 'Tight focusing effect of annular obstructed incident beam in the focal region of high NA lens', Elsevier– Optik, vol. 125, pp. 4652–4654, (Impact factor – 0.769).
- **Gokulakrishnan. K**, Suresh. P, Mariyal. C, Sivasubramonia Pillai, TV and Rajesh, KB. (2014), "Tight focusing effect of annular obstructed Bessel-modulated Gaussian beam," Elsevier – Optik (IJLEO – Accepted, Impact factor – 0.769).
- **Gokulakrishnan. K**, Suresh. P, Jeyamurugan. A, Pillai, TVS, Rajesh, KB & Vijayaraj. M. (2014), 'Effect of annular apodization and pupil beam parameter in the focal region of high NA lens', Elsevier –Optik, vol. 125. Issue 19, pp. 5529-5531 (Impact factor – 0.769).

- Suresh. P, Thilagavathi. R, **Gokulakrishnan. K**, Rajesh, KB. & Pillai, TVS. (2014), 'Focusing properties of a 4Pi configuration system under the illumination of double ring shaped LG11beam', Springer – Optical and Quantum Electronics, 1-6, (Impact factor – 0.978).
- Suresh. P, Mariyal. C, **Gokulakrishnan. K**, Rajesh, KB. & Pillai, TVS. (2013), 'Tight Focusing of Circularly Polarized Beam over high NA Lens Axicon with a Diffractive Optical Element', Elsevier – Optik, vol. 124. Issue 20, pp. 4389-4392 (Impact factor – 0.769).
- Suresh. P, **Gokulakrishnan. K**, Mariyal. C, Rajesh, KB & Sivasubramonia Pillai, TV. (2013), 'Effect of binary phase plate on incident radially polarized hollow Gaussian beam', Elsevier –Optik, vol. 124, pp. 5350-5352 (Impact factor – 0.769).
- **K. Gokulakrishnan**, S.B. Allwin Deva Saghayam. (2013), 'Breath Acetone Based Noninvasive Blood Glucose Monitoring System for Diabetes Using SVM', CiiT International Journal of Artificial Intelligent Systems and Machine Learning, Vol. 5, No. 3.
- P. Anuja, **K. Gokulakrishnan**, J.Jesu Vedha Nayahi. (2012), 'A Hybrid Solution for Resource Discovery Problem in Grid Networks', International Journal of Scientific & Engineering Research Volume 3, Issue 7.
- Kanchana Devi, **K. Gokulakrishnan**, K.B. Rajesh. (2012), 'Generation of Novel Focal Pattern for Nanolithography', International Journal of Scientific & Engineering Research Vol. 3, Issue 7.
- S. Sumathi, **K. Gokulakrishnan**, K.B. Rajesh. (2012), 'Tight focusing of circularly polarized light beam for the fabrication of NEMS', International Journal of Scientific & Engineering Research Vol. 3, Issue 7.
- S. Vigneswaran, T. Nathiyaa, Arul Teen, **K. Gokulakrishnan**, K.B. Rajesh. (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.
- K.B. Rajesh, N. VeerabaguSuresh, P.M. Anbarasan, **K. Gokulakrishnan**, G. Mahadevan. (2011), 'Tight focusing of double ring shaped radially polarized beam with high NA lens axicon', Optics & Laser Technology (43) 1037–1040.