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Google Citations: <https://scholar.google.co.in/citations?user=d2cDP9IAAAAJ&hl=en&authuser=1>

➤ **Research Area:**

- Optical Communication
- Image Processing
- Soft Computing
- Wireless Sensor Networks/Internet of Things

➤ **Book Chapters:**

1. Jesu Vedha Nayahi J., Gokulakrishnan K., Medical Image Classification, Medical Image Processing for Improved Clinical Diagnosis, (pages 59-80), ISBN: 9781522558767.
2. Nirmalan R., Gokulakrishnan K., Jesu Vedha Nayahi J., Load Balancing in Heterogeneous Cluster Cloud Computing, Novel Practices and Trends in Grid and Cloud Computing, ISBN: 9781522590231.

➤ **Publications :**

1. 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).
2. 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).
3. Gokulakrishnan, K, Suresh, P, Mariyal, C, Sivasubramonia Pillai, TV and Rajesh, KB, "Tight focusing effect of annular obstructed Bessel-modulated Gaussian beam," Elsevier – Optik (IJLEO – Accepted, Impact factor – 0.769).
4. Gokulakrishnan, K, Suresh, P, Jeyamurugan, A, Pillai, TVS, Rajesh, KB & Vijayaraj, M, '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).
5. 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 LG11 beam', Springer – Optical and Quantum Electronics, 1-6, (Impact factor – 0.978).

6. 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).
7. 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).
8. P.Anuja, K.Gokulakrishnan, J.Jesu Vedha Nayahi, 'A Hybrid Solution for Resource Discovery Problem in Grid Networks', International Journal of Scientific & Engineering Research Volume 3, Issue 7, July-2012.
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10. S.Sumathi, K.Gokulakrishnan, K.B.Rajesh, 'Tight focusing of circularly polarized light beam for the fabrication of NEMS', International Journal of Scientific & Engineering Research Volume 3, Issue 7, July-2012.
11. I.Dhasan Aswin Raj, K. Gokulakrishnan, 'Performance Measure of FSO by Modified AND Subtraction Method', International Journal of Scientific Engineering and Research (IJSER), Volume 3 Issue 5, May 2015.
12. P. Syed Ali Fathima Aasia, K. Gokulakrishnan, J. Jesu Vedha Nayahi, 'Supervised Learning Approach for Performance Evaluation of Digital Fundus Image Quality ', International Journal of Scientific Engineering and Research (IJSER), Volume 3 Issue 5, May 2015.
13. A.Nandhini, K. Gokulakrishnan, 'Design of Ultra High Capacity DWDM System with Different Modulation Formats', International Journal of Scientific Engineering and Research (IJSER), Volume 3 Issue 5, May 2015.
14. S.Esther Jenifa, K. Gokulakrishnan, 'Performance Measures of DWDM System under the Impact of Four Wave Mixing ', International Journal of Scientific Engineering and Research (IJSER), Volume 3 Issue 5, May 2015.
15. K. Gokulakrishnan, S.B. Allwin Deva Saghayam, '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 (2013)
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19. K. Tamilarasan, J. Rajesh Banu, C. Jayashree, K.N. Yogalakshmi, K. Gokulakrishnan, '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 (2017) 1021–1026
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