

NAME : Dr.B.Elizabeth Caroline
 Designation: Professor
 Department: Electronics and communication Engineering
 Organization:IFET College of Engineering
 Place : Villupuram
 Pincode:605108
 Mobile:9489462260
 E-Mail:becaroline05@yahoo.com
 Area of Interest: Wireless Network

LIST OF PUBLICATION

- 1)Design of two-dimensional photonic crystal –based All-Optical Half Adder SC Xavier, BEC Kabilan Arunachalam OpticalEngineering(SPIE) 52 (2)
 - 2)Compact photonic crystal integrated circuit for all-optical logic operation WJ Susan Christina Xavier, B. Elizebeth Carolin, Arunachalam P. Kabilan The Institution of Engineering and Technology -Optoelectronics, 1-6
 - 3)Model based control for interacting and non-interacting level process using labview M Lavanya, P Aravind, M Valluvan, BE Caroline International journal of advanced research in electrical, electronics and ...
 - 4)Hybrid cryptographic technique for heterogeneous wireless sensor networks RJ Kavitha, BE Caroline 2015 International Conference on Communications and Signal Processing (ICCSP ...
 - 5)Feature Extraction of Digital Mamogram Based on Multidiamention Complete Ensenmbe Embirical Mode With Adaptive Noise BE Caroline, N Vaijayanthi Int J Adv Engg Tech/Vol. VII/Issue I/Jan.-March 404, 409
 - 6)VLSI implementation and performance evaluation of adaptive filters for impulse noise removal BE Caroline, G Sheeba, J Jeyarani, FSR Mary 2012 International Conference on Emerging Trends in Science, Engineering and ...
 - 7)An optical beam former for smart antennas in mobile broadband communication KAPSCX • Elizabeth Caroline B. International Journal of Mobile Communication 7 (6), 683-694
 - 8)Performance analysis of free space optical communication system employing WDM-PolSK under turbulent weather conditions BEC J. Jeyarani, D. Sriramkumar Optoelectronics and Advanced Materials 20 (9-10), 506-514
 - 9)Investigating The Performance Of Microstrip Patch Antenna With Photonic Crystal On Different Substrate DS Kumar, P Prithika, BE Caroline 2019 IEEE International Conference on System, Computation, Automation and ...
 - 10)Computer aided detection of masses in digital breast tomosynthesis: A review BE Caroline, N Vaijayanthi 2012 International Conference on Emerging Trends in Science, Engineering and ...
 - 11)DESIGN AND SIMULATION OF WILKINSON POWER DIVIDER FOR DIGITAL TV APPLICATION DS Kumar, L Balaji, BE Caroline International Journal of Pure and Applied Mathematics 119 (14), 1051-1056 Emerging trends in science, engineering and technology S Sathiyamoorthy, BE Caroline, JG Jayanthi International Conference on Emerging Trends in Science, Engineering and ...
 - 12)Disaster management using free space optical communication system J Jeyaseelan, DS Kumar, BE Caroline Photonic Network Communications 39 (1), 1-14 Secured and reliable data transmission on multi-hop wireless sensor network RJ Kavitha, BE Caroline Cluster Computing 22 (5), 10915-10924
 - 13)A novel ergodic capacity analysis of MISO OFDM–PDM for free space optical communication systemJ Jeyaseelan, DS Kumar, B E Caroline Optik 185, 1220-1225
 - 14)Hybrid energy-efficient transmission protocol for heterogeneous wireless sensor networks RJ Kavitha, BE Caroline Circuits and Systems 7 (6), 897-906
 - 15)PROXUM: an energy efficient and privacy--aware data aggregation in heterogeneous wireless sensor networks RJ Kavitha, BE Caroline Advances in Natural and Applied Sciences 9 (6 SE), 316-322
 - 16)Design of slotted patch antenna based on photonic crystal for wireless communication EC Britto, SK Danasegaran, W Johnson International Journal of Communication Systems 34 (1), e4662
- M-ary DPSK coded binary to gray, BCD to gray, and octal to binary all-optical code converters based on SOA-MZI configuration at 500 Gb/s M Michael, BE Caroline, SC Xavier Applied Optics 59 (27), 8126-8135