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**Area of Specialization:** Optical and Microwave Engineering, Antenna Design, SoC –VLSI, Image Processing

**List of publications:**

1. A. Beno and D. S. Emmanuel, (2011) “Quadra Square Edge Slotted Miniaturized Microstrip Patch Antenna for Multiband Wireless Applications”, International Journal of Wireless Communication, 3 (7), 536-540.
2. A Beno, D. S Emmanuel, T. Sindhuja, K. Packia Lakshmi, (2011) “Modified Compact High Gain Multiple Patch Slotted Microstrip Antenna for multiband wireless applications”, International Journal of Scientific & Engineering Research, 2 (7), 536-540.
3. A. Beno and D. S. Emmanuel, (2013 ),“Diamond shaped symmetrical slotted miniaturized microstrip patch antenna for wireless applications” Journal of Theoretical & Applied Information Technology, 47 (3), 960-966.
4. A. Beno and D. S. Emmanuel, (2013), “High gain inverted U shaped miniaturized patch antenna for multiband wireless applications”, Microwave and Optical Technology Letters, 55 (1), 27-31.
5. A. Beno, K. Emina Devi, N. Nazeera Banu, K. Sasi , R.O. Nishanthi, (2013), “Radiation Effects in Green House Vegetation and Integrated R.F Protectors”, International Journal of Scientific & Engineering Research, 4 (6), 368-370.
6. R. Shanmuga Priya and A. Beno, (2013), “Efficient Reed Solomon Decoder Based on pRiBM Algorithm for Effective Digital Signal Reception”, International Journal of Scientific & Engineering Research, 4 (4), 1709-1712.
7. A. Jainie Janet Jenitta and A. Beno, (2013), “Efficient and Low Resource Uniform Random Number Generator Using LUT-SR”, International Journal of Scientific & Engineering Research, 4 (4), 1558- 1561.

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10. A Beno, S Darwin, D. S. Emmanuel,( 2014), "Miniaturized Circular Multislotted Microstrip Antenna" , International Journal of Applied Engineering Research, 9 (24), 25681-25687.
11. A. Beno, (2014), "Resonant Frequency Estimation of Single and Double Slot Loaded Multiband Antenna" International Journal of Recent Research and Applied Studies, 1(2(17)), 65-68.
12. A. Beno, (2014), "Design of Parallel Slot Loaded Multiband Microstrip Antenna" International Journal of Recent Research and Applied Studies, 1(3(19)), 77-80.
13. A. Beno, (2014 ), "Analysis of Radiation Prevention Using X-Band Microwave Transmission" , International Journal of Recent Research and Applied Studies, 1(5(22)), 100-103.
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15. A. Beno and D. S. Emmanuel, (2015) "Miniaturized Reconfigurable Window Slot Antenna Using Mechanical Tuning", International Journal of Electronics, 102 (11), 1902–1918.
16. A. Beno, (2015 ), "Analysis of Slot Loaded Patch Antenna for Miniaturization Using Slot and L Slits for Multiband Wireless Applications" International Journal of Recent Research and Applied Studies, 2 (1(14)), 60-65.
17. A.Beno and M. Arul Thilagavathy, (2015) "Design of Butterworth Band Pass Filter for Broadband Wireless Onchip Receiver" International Journal of Recent Research and Applied Studies, 2 (12 (7)), Pages: 39-43.
18. A.Beno and M. Arul Thilagavathy, (2015 ), "Topology Comparison and Design of Low Noise Amplifier for Enhanced Gain" The International Journal of Science and Technoledge, 3(12), Pages : 13-18.
19. A.Beno, (2016 ), "Field Contour Estimation for Primitive Detection of Cancer" International Journal of Recent Research and Applied Studies, 3, (5 (11)), 40-43.

20. Pon Mizpah, D. Sheela, and A. Beno, (2016), “Dielectric Permittivity Analysis on Wearable Antenna Substrate Materials” International Journal of Control Theory and Applications, 9(31), 291-295.
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22. K. Janaki Kiruthika and A.Beno, (2017) “Noise Immune Bio Potential Amplifier Design for Neural Amplifying Applications” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, 6(5), 3310-3314.
23. J. Jafny Moniza and A.Beno, (2018), “Design of Multiband Antenna for RF Energy Harvesting Circuits” International Research Journal of Engineering and Technology (IRJET), 5 (11), 431-433.
24. B. Arul Rajan, A. Beno, A. Yogeswaran, R. Janaki, (2019), “Copper Cladding CPW Fed UWB and Ku Band Antenna” International Journal of Scientific and Technology Research, Volumae 8, Issue 12.
25. M. Kavitha, S. Shanthi, A. Beno, B. Arul Rajan and M. Sathish, (2020), “Design of 2×2 MIMO – DRA Antenna for 5 G Communication”, International Journal of Scientific & Technology Research Volume 9, Issue 03.
26. A. Beno, S. Darwin, A. Albert Raj,(2020) “CMOS Realization of an Amplifier –Free Pipeline- SAR ADC Architecture with 90nm Technology” Journal of Critical Review, 7(17), 2807-2811.
27. S. Moses Sunil Jayapaul and Dr. A. Beno, (2020), “High-Speed Architectural Design of Hybrid ADC with Low Power Consumption”, - International Journal for Scientific Research & Development| Vol. 8, Issue 2, pp-301-305.

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1. A.Beno, Ramlal Yadava, R.Malmathanraj, S.Thamarai Selvi, (2007), “Artificial Neural Network Application in Parameter Optimisation of Rectangular Microstrip Patch Antenna”, *Proceedings of the International Conference on ADvances in Electronics and Communications (icon ADELCO 2007)*, 587-596.
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3. J. Jafny Moniza and A. Beno, (2019) “A Planar CMOS Dickson Rectifier with 99.9% Efficiency for RF Energy Harvesting” International conference on Engineering Applications INCEA’19.

### **NATIONAL CONFERENCE PRESENTATIONS**

1. A.Beno, Ramlal Yadav, S.Selva Subramanian, (2006), “Microstrip Patch Antenna Designs for Practical applications and Limitations” Proceedings of the 3 National Conference on Advance in electronic Communications, ADELCO’06, 177-184.
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3. A. Beno, R. Muthu Mari, C. Muthu Kalpana, S. Selvi Priya, (2008), “Adeptness of H-Plane Horn Antennas at X-Band in GPR Applications” Proceedings of RACSIT’08, Francis Xavier Engineering College, Tirunelveli, 32-35.
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5. A. Beno, R. Nageswari, S. Shyline Mabel Gnanalilly, S. Smila, U. Lenin Marksia (2009) “Regulatory Violation and Terrorism Control Monitoring System” EMCON’09, KLUIEEE, Proceedings of RACSIT ’09, Francis Xavier Engineering College, BM53-55.
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15. K. Jancy Beryl and A.Beno, (2013), "Performance Enhancement of Data Processing in Controllers Using 32 Bit MCSLA for Area Efficient and Power Consumption Devices" National Conference ESWT 2013, Dr.Sivanthi Aditanar College of Engineering, 107-112.
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17. A.Jainie Janet Jennitta and A.Beno, (2013), "Efficient Implementation of Cryptography for Data Security in Defence Application Using LUT SR Uniform Random Number Generator" NCCVSP 2013, The Rajaas Engineering College.
18. R. Shanmuga priya and A.Beno, (2013), "Efficient Error Correction Codes Using Pipelined Reduced Inversion Free Berlekamp Massey Algorithm For Effective Digital Signal Reception" NCCVSP 2013, The Rajaas Engineering College.
19. D. Karthiga and A.Beno, V.D.M. Jabez Daniel, J.Joshua Bapu, (2014) "Power Efficient Design and Implementation of Grouped Multibit Flipflops Using Clock Gating Technique" NCACVET 2014, Dr.Sivanthi Aditanar College of Engineering, 71-75.
20. A. Rudhra Devi and A. Beno, (2014), "Designing Flash Analog to Digital Convertor Using Novel Auto Zeroing Technique" NCACVET 2014, Dr.Sivanthi Aditanar College of Engineering, 83-87.
21. N.Agnes Shiny Rachel, A.Beno, S.Darwin, S.Senthil Siva Manikandan, (2014), "Power Delay Area Efficient Modified Square Root Carry Select Adder" NCACVET 2014 Dr.Sivanthi Aditanar College of Engineering, 126-130.

22. G. Meshok Rajayah and A. Beno, (2015), “Binary Tree Based Anti-collision Protocol for RF-ID Multitag Identification” NCACVET 2015 Dr. Sivanthi Aditanar College of Engineering.
23. S. Indhurathi and A.Beno,(2015), “FPGA Design of Interleaver & Deinterleaver in WiMAX Applications” NCACVET 2015, Dr. Sivanthi Aditanar College of Engineering,
24. M. Arul Thilagavathy and A.Beno, (2016), “Onchip Planar Antenna Design for Wide Band Receiver” National Conference on Applications and Challenges in VLSI & Communication Technologies NCACVCT’16, Dr.Sivanthi Aditanar College of Engineering, Tiruchendur.
25. J. Jafny Moniza and A. Beno, (2019), “RF Power harvesting: a review on designing methodologies” National Conference on Communication, Information and Control systems in VV College of Engineering.
26. J. Jafny Moniza and A. Beno, (2019), “Review of DC-DC Boosting Circuits and Energy Management”, National Conference on Recent Trends in VLSI, Communication and Embedded Technologies in Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.