|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| [Investigation of Mechanical Behavior of Bagasse (Sugarcane)](https://www.ijraset.com/fileserve.php?FID=3406) - [Aloevera as Hybrid Natural Fibre Composites](https://www.ijraset.com/fileserve.php?FID=3406) | **R.G. Padmanabhan,**  **M. Ganapathy** | **Automobile Engineering** | International Journal for Research in Applied Science  & Engineering Technology | Volume 3 (2015) | ISSN: 2321-9653/ p. 426 – 432 |
| “[Experimental study on mechanical properties of ficus Benghalensis with gypsum polymer hybrid fiber composites](http://www.gjesrm.com/Issues%20PDF/Archive-2015/December-2015/13.pdf)” | **R.G. Padmanabhan, G Umashankar** | **Automobile Engineering** | Global Journal of Engineering Science and Research Management | December, 2015 | ISSN 2349-4506 |
| “[Investigation of Mechanical Behavior of Water Hyacinth Fiber / Polyester with Aluminium Powder Composites](http://www.ijaiem.org/pabstract.php?vol=Volume5Issue2&pid=IJAIEM-2016-02-18-16)” | **R.G. Padmanabhan,** | **Automobile Engineering** | International Journal Of Application Or Innovation In Engineering & Management | 5, Issue 2, February  2016. | (ISSN 2319-4847) |
| [Effect of Stiffeners on Castellated Beams](https://www.aijsh.com/shop/articlepdf/2016/12/14805931783abstract.pdf) | **B.Anupriya,**  Dr.K.Jagadeesan & B.Saranya | **Civil Engineering** | Asian Research Consortium | 2016 |  |
| Experimental investigation of shear strength of castellated beam with and without stiffeners | **B.Anupriya**, Dr.K.Jagadeesan & Dr.R.Baskar | **Civil Engineering** | Journal of Structural Engineering | 2015 |  |
| Failure Modes Of Castellated Beam  With And With Out Stiffeners | **B.Anupriya** & Dr.K.Jagadeesan | **Civil Engineering** | International Journal of Applied Engineering Research | 2014 |  |
| [Shear strength of castellated](http://www.enggjournals.com/ijet/docs/IJET14-06-04-103.pdf)  [Beam with and without Stiffeners using FEA (ANSYS 14](http://www.enggjournals.com/ijet/docs/IJET14-06-04-103.pdf) | **B.Anupriya** & Dr.K.Jagadeesan | **Civil Engineering** | International Journal of Engineering and Technology | 2014 |  |
| Strength Study on Castellated Beam | **B.Anupriya** & Dr.K.Jagadeesan | **Civil Engineering** | International Journal of Engineering Research & Technology | 2013 |  |
| [Efficient Diversity Aware Retrieval](https://s3.amazonaws.com/academia.edu.documents/45962463/EFFICIENT_DIVERSITY_AWARE_RETRIEVAL_SYSTEM_FOR_HANDLING_MEDICAL_QUERIES.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1526726859&Signature=wB6kF0URWe%2FqCa0IMbKSC%2B%2BSkQg%3D&response-content-disposition=inline%3B%20filename%3DEFFICIENT_DIVERSITY_AWARE_RETRIEVAL_SYST.pdf)  [System For Handling Medical Queries](https://s3.amazonaws.com/academia.edu.documents/45962463/EFFICIENT_DIVERSITY_AWARE_RETRIEVAL_SYSTEM_FOR_HANDLING_MEDICAL_QUERIES.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1526726859&Signature=wB6kF0URWe%2FqCa0IMbKSC%2B%2BSkQg%3D&response-content-disposition=inline%3B%20filename%3DEFFICIENT_DIVERSITY_AWARE_RETRIEVAL_SYST.pdf) | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Research in Engineering and Technology | 2016 | 7308,vol. 5, no. 3, p |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hypernym Based Feature Selection  For Semi Structured Web Content Classification | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Applied Engineering Research | 2015 | vol. 10, no. 2, Pages: |
| Classification and Topic Discovery of Web Documents Using Semantic Deep Learner Based On Semantic Smoothing Model | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Applied Engineering Research | 2015 | ol. 10, no. 2, Pages: |
| Development of Novel Patent Classification Framework by Exploiting Semantic Deep Learner | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | Research Journal of Applied Science, Engineering and Technology | 2015 | ISSN 20407467,  vol.11,Issue 7, pp.  788-797 |
| Development of Intelligent Diversity Aware Retrieval System for Medical Data Analysis | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Advanced and Innovative Research | 2015 | ISSN 2278-  7844,vol. 4, no. 11,  pp. 78-83 |
| Product Aspect Ranking Using  Semantic Oriented Sentiment Classifier | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Scientific Engineering and Research | 2014 | ISSN online 2437-  3878, Vol. 2, Issue  10 |
| Sparse Itemset Mining Using  Minimal Infrequent Weighted Itemset Algorithm | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Scientific Engineering and Research | 2014 | ISSN 2229-5518,  vol. 5, Issue 10 |
| Web Mining Research directions and Open Source tools | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | International Journal of Advanced Research in Computer Science and Software Engineering | 2014 | ISSN online 2277 128X, vol. 4, Issue- 7 |
| Big Data Storage and Analytics:  Technologies and their Applications | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | Indo Global Journal of Applied Engineering | 2014 | ISSN No. 2321-  5267, Vol. 2, Issue -  1 |
| Intelligent Web traffic mining and  Analysis using Neural Network Learning | **Dr. E.V.R.M. Kalaimani Shanmugam** | **Computer Science and Engineering** | Indo Global Journal of Applied Engineering | 2014 | ISSN No. 2321-  5267, Vol. 2, Issue -  1 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Intelligent Agents based Monitoring and Decision Support System for Effective HealthCare | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | International Journal of Applied Engineering Research | 2015 | ISSN 0973-4562  Vol. 10 No.1 pp.  390-395 |
| Developing Architecture for monitoring of Patients using Intelligent Agent-based System in Wireless Sensor Network | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | Journal of Theoretical and Applied Information Technology, | 2014 | vol. 59, no. 1,  Pages: 96-102 |
| Neighbor Classifier for Effective Diagnosis of Heart Disease | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | Australian Journal of Basic and Applied Sciences | 2014 | vol. 8, no. 17,  8(17), Pages: 160-  166 |
| Effective Big Data Gathering and Reduce Energy Conservation Model for WSN Environment | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | International Journal of Innovative and Applied Research | 2014 | Volume 2, Issue  (10): 49- 59 |
| Virtualized Clouds and Energy Aware Scheduling Using EARH | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | International Journal of Advanced Research in Computer Science and Software Engineering | 2014 | Volume 4, Issue 10 |
| ADA: Data Aggregation Scheme for Dynamic Application Using PBDR in Wireless Sensor Networks | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | International Journal of Innovative Research in Computer and Communication Engineering | 2014 | Vol.2, Special Issue 1 |
| A Novel Approach for Restructuring Web Search Results by Feedback Sessions Using Fuzzy clustering | **Dr.R.RajaVignesh** | **Computer Science and Engineering** | International Journal of Innovative Research in Computer and Communication Engineering | 2014 | Vol.2, Special Issue 1 |
| Armordroid:Providing Privacy  Protection Over Smartphone Malware Application | **Mrs.R.Sudha** | **Computer Science and Engineering** | International Journal of Modern Engineering Research | 2016 | Volume 6, Issue 5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Precised Detection of CMBs using HCSD | **Mrs.R.Sudha** | **Computer Science and Engineering** | International Journal of Advanced Research in computer and communication engineering | 2016 | Volume 5, Issue 10 |
| Auditing cloud consistency using EIRQ in data aggregation | **Mrs.R.Sudha** | **Computer Science and Engineering** | International journal of Emerging Technology in Computer science and engineering | 2015 | Volume 13, ISSUE  2 |
| Intelligent Image acquisition of  license plate image using kernel estimation algorithm | **Ms.K.Suganthi** | **Computer Science and Engineering** | IJIRCCE | 2016 | Volume 4,Issue 10 |
| Improving performance of map  reduce in heterogeneous environment | **Ms.K.Suganthi** | **Computer Science and Engineering** | International Journal of Emerging Technologies in Engineering Research | 2016 | Volume 4, Issue 3 |
| Phase and heterogeneous resource aware scheduler for map | **Ms.K.Suganthi** | **Computer Science and Engineering** | International Journal of Advanced and Innovative Research | 2015 | Volume 4, Issue 10 |
| Client Side Solution for Protection of Web Applications from Cross Site Scripting Attack | **Mr.J.Ganesh** | **Computer Science and Engineering** | Journal of Computing Technologies, | 2016 | Volume 5, Issue 4 |
| Secure Data Storage Framework in Cloud using Anti-XSS | **Mr.J.Ganesh** | **Computer Science and Engineering** | Journal of Innovative Research in Science, Engineering and Technology | 2015 | Volume 4 , Issue 11 |
| Survey: Probabilistic Methods Based on Randomized Algorithms | **Mrs.K. Kalaivani** | **Computer Science and Engineering** | International Journal for Research and Development in Technologies | 2016 | Volume 5, Issue 4, |
| Survey: The Solution to Data  Structuring Problems using Randomized Algorithms | **Mrs.K. Kalaivani** | **Computer Science and Engineering** | International Journal for Research and Development in Technologies | 2016 | Volume 4, Issue 2 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Probabilistic and Efficient Usage of  Intrusion Detection System in MANET | **Mrs.K. Kalaivani** | **Computer Science and Engineering** | IARJSET | 2016 | Volume 3, Issue  11, November  2016 |
| Enhancing the Mapreduce Using  Cache in Hadoop for Big Data Analytics | **Mrs.K. Kalaivani** | **Computer Science and Engineering** | Journal of Computing Technologies | 2016 | ISSN 2278-3814,  vol. 5, no. 3 |
| Big data gathering and map reduce framework for underwater WSN | **Mrs.K. Kalaivani** | **Computer Science and Engineering** | IJOER | 2015 | Volume 3,Issue 2 |
| The Research of smart surveillance Systems Using Hadoop Based craniofacial Identification | **Mr.S.Venkateshwaran** | **Computer Science and Engineering** | IJSET | 2015 | Volume 3, Issue 3 |
| Location based authendication of  KNN queries to reduce the CPU time | **Mr.S.Venkateshwaran** | **Computer Science and Engineering** | International Journal of Computer Science and Engineering | 2014 | Volume 3, Issue 11 |
| Detection of Face Spoofing  Activities in Face Recognition and Verification System | **Mrs.T.Venipriya** | **Computer Science and Engineering** | Journal of Computing Technologies, | 2016 | ISSN 2278-3814,  vol. 5, no. 3. |
| Detection of Face Spoofing  Activities in Face Recognition and Verification Systems | **Mrs.T.Venipriya** | **Computer Science and Engineering** | International Journal of Advanced and Innovative Research | 2016 | Volume 5, Issue 3 |
| Detection of Face Spoofing Attacks  using Printed Photo and Mimic Mask | **Mrs.T.Venipriya** | **Computer Science and Engineering** | Journal of Computing Technologies | 2015 | Volume 4, Issue 10 |
| Efficient Retrieval of Multimedia Data Resources | **Mr.M.Anandakumar** | **Computer Science and Engineering** | National Journal of Advanced And Innovative Research | 2015 | Volume 4, Issue 5 |
| Location based authendication of  KNN queries with location and queries privacy | **Mr.C.Muthukumaran** | **Computer Science and Engineering** | International Journal of Emerging Technologies in Engineering Research. | 2016 | Volume 4, Issue 5 |
| A Miniature based Armor with multilevel conviction and aloofness for the Internet of Things | **Mrs. R.Kalaiselvi** | **Computer Science and Engineering** | International Journal of Modern Engineering Research | 2016 | Volume 6, Issue 5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Detection and mitigation of denial  of service attack in interconnected systems | **Mrs. R.Kalaiselvi** | **Computer Science and Engineering** | International Journal of Modern Engineering Research | 2015 | Volume 5, Issue 11 |
| Effective optimization of network  reliability using New Adaptive Genetic Algorithm | **Mr.P.Deepan** | **Computer Science and Engineering** | International Journal of Modern Science & Technology | 2016 | ISSN: 2456-0235,  Page 115-120. Vol.1, No.4 |
| A Profile based User Customizable Privacy preserving web search | **Mrs.B.Dhivya** | **Computer Science and Engineering** | IJAIR | 2014 | Volume 3, Issue  11, November  2014 |
| Simulation based multifunctional MOS device by externally controlled gate width | **Dr.B.Gopi** | **Electronics and Communication Engineering** | European journal of scientific research | 2011 | 57, 426-434 |
| Adaptive complementary metal oxide semiconductor device by externally controlled gate oxide thickness | **Dr.B.Gopi** | **Electronics and Communication Engineering** | Journal of computer science | 2012 | ISSN(2012)515-522 |
| Variation of gate material for hybrid GE-SI MOSFET | **Dr.B.Gopi** | **Electronics and**  **Communication Engineering** | International journal of nano technology and applications | 2013 | volume 3, Issue 5,  1-4 |
| Hybrid GESI Based MOSFET device | **Dr.B.Gopi** | **Electronics and**  **Communication Engineering** | International journal of electrical electronics and computer system | 2013 | Issue 2nd June 2013 |
| HYBRID AIGaAs –SI BASED MOSFET DEVICES | **Dr.B.Gopi** | **Electronics and**  **Communication Engineering** | IOSR Journal of VLSI and Signal Processing | 2013 | Issue 2nd June 2013 |
| A View on spectral unmixing in hyperspectral images | **Mrs.M.R.Vimaladevi** | **Electronics and**  **Communication Engineering** | Far East Journal of Electronics and communications | 2016 |  |
| A Fuzzy BasedGradient edge Detection Technique. | **Mrs.M.R.Vimaladevi** | **Electronics and**  **Communication Engineering** | International Journal of Emerging Technologies in Engineering Research | 2016 | vol 4, issue 10 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Use of Internet by Research  Scholars and Faculty Members - A Survey Study**"** | **Mrs.M.R.Vimaladevi** | **Electronics and**  **Communication Engineering** | International Journal of trends and engineering development | 2016 | Volume-3 Issue-4 |
| A Visual attention model based image fusion | **Mrs.M.R.Vimaladevi** | **Electronics and**  **Communication Engineering** | Research Journal of Applied Sciences Engineering and Technology | 2013 | Vol 6, 4602-4606 |
| Transistor Level Representation of 8 Bit NCL Based Adder. | **Mrs. C. Reginamary** | **Electronics and**  **Communication Engineering** | International Journal Of Applied Engineering Research | 2015 | IJAIR: volume 04,  Issue 05 |
| Design and implementation of a processor reversible logic | **Mr. K. Prasanna** | **Electronics and**  **Communication Engineering** | International Journal Of Applied Engineering Research. | 2014 | Vol 3, issue 11 |
| Implementation of pipeline architecture in humming bird for reducing area and high throughput. | **Mrs. G. Kavitha** | **Electronics and Communication Engineering** | International Journal Of Applied Engineering Research | 2015 | Vol 4, issue Oct |
| FPGA implementation of folding architecture in humming bird algorithm for reducing area and high throughput | **Mrs. G. Kavitha** | **Electronics and Communication Engineering** | International Journal of Emerging Technologies in Engineering Research (IJETER), | 2016 | Vol 4, Issue May |
| Driver drowsiness detection and alcoholic alerting system | **Mrs. G. Kavitha** | **Electronics and Communication Engineering** | International Journal of Advanced Research in Computer and Communication Engineering | Vol. 1, No. 4, July 2016, Page 115- 120. [www.ijmst.co](http://www.ijmst.co/) | ISSN: 2456-0235 |
| Design and implementation of  DADDA tree multiplier using adiabatic logic on fpga | **Ms. A. Unmai** | **Electronics and**  **Communication Engineering** | International Journal of Modern Science and Technology | 2016 | Vol 4, Issue 6 |
| Improving the leg movement in  locomotion Hexapod robot for industrial automation | **Mr. S. Senthil Kumar** | **Electronics and**  **Communication Engineering** | International Journal Of Applied Engineering Research. | Volume 10,  Number 20 (2015)  pp 41377-41387 , | ISSN 0973-4562  (Print) , ISSN 1087-  1090 (Online) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Analysis of Virtual Robot  Movements for Performance Improvements in Personal Communication’ | **Mr. S. Senthil Kumar** | **Electronics and Communication Engineering** | Wireless Personal Communication, Springer | Volume 90,  Number 02, pp  595-608,  November 2015 | ISSN: 0929-6212 (Print) 1572-834X  (Online). |
| ’Analysis of Locomotion Versatile Hexapod Robot System For Industrial Automation | **Mr. S. Senthil Kumar** | **Electronics and Communication Engineering** | International Journal of Engineering Research in Electronics and | 2015 | Vol 2,  Issue 12, pp-19-22 |
| Performance Analysis of Six Leg  Locomotion Robot Movement Control’, | **Mr. S. Senthil Kumar** | **Electronics and**  **Communication Engineering** | International Journal of Emerging Technology and  Advanced Engineering | * Vol. 3, Issue 2,   Feb 2013,  �pp. 522-526. | ISSN Number 2250–2459. |
| An efficient low power s-box  implementation for AES using power gated PLA | **Mrs. D. Kavitha** | **Electronics and**  **Communication Engineering** | International Journal of Advanced and innovative Research | 2015 | Vol.04, issue 11, Nov |
| Dual mode logic Gates in Coarse Grin Model for Power switches | **Mrs. A. Prathibha** | **Electronics and**  **Communication Engineering** | International Journal of Advanced and Innovative Research | 2015 | PP176-179,  Volume-4, Issue-10 |
| Prevention of Accident on Alcohol Consumption and Message Passed to Control Room | **Mrs. A. Prathibha** | **Electronics and Communication Engineering** | International Journal of Advanced Research Trends In Engineering And Technology | 2016 | pp 134-137,  Volume 3, Special  Issue 3 |
| Diagnosis of Coarse Grain Model for Power Switches | **Mrs. A. Prathibha** | **Electronics and Communication Engineering** | International Journal of Emerging Technologies in Engineering Research | 2016 | pp 245-248,  Volume-4, Issue-5, May |
| An Effective Comparative Analysis of Filter Strategies Using Measurement Fusion Technique | **Ms. R. Vishnupriya** | **Electronics and Communication Engineering** | International Journal of Emerging Technology in Computer Science & Electronics | Volume 13 Issue  2–MARCH 2015 | ISSN: 0976-1353 |
| Fusion Kalman Filter Estimation (FKFE) for Resource Constrained Wireless Sensor Network | **Ms. R. Vishnupriya** | **Electronics and Communication Engineering** | International Journal of Engineering Research & Technology (IJERT) | Vol. 4 Issue 02, February-2015 | ISSN: 2278-0181 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Hardware and Simulation design of voltage and frequency regulations in a grid connected system using solar PV panel | A.Anbumani **Dr.C.Venkatesan M.Thiyagarajan** | **Electrical and Electronics Engineering** | International Journal of Modern Science and Technology | 2017 |  |
| Multiport converter based hybrid power generation system | **Dr.C.Venkatesan**  S.Sivasakthi  **M.Thiyagarajan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science and Technology | 2016 |  |
| Implementation of solar based grid  tied with interleaved fly back inverter | **Dr.C.Venkatesan**  S.Sivasakthi  **M.Thiyagarajan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science and Technology | 2016 |  |
| Transformer Less H6- Bridge Based STATCOM With Improved Reactive Power Control | **Dr.C.Venkatesan** | **Electrical and Electronics Engineering** | International Journal of Emerging Trends in Science and Technology | 2016 |  |
| Power Factor Correction Using  CUK Converter With Z- Source Converter For BLDC Motor | **Dr.C.Venkatesan** | **Electrical and**  **Electronics Engineering** | International Journal of Emerging Trends in Science and Technology | 2016 |  |
| An Improved Merge Sort Algorithm  for  Bid Based Power Flow for a Practical System in the Deregulated Environment | **Dr.C.Venkatesan** | **Electrical and Electronics Engineering** | Wulfenia Journal | 2012 |  |
| Computation Of Total Transfer  Capability By Using Power Producer’s Bidding In Deregulated Environment | **Dr.C.Venkatesan** | **Electrical and Electronics Engineering** | European Journal of Scientific Research | 2011 |  |
| Bid Based Power Flow In Practical Utility System | **Dr.C.Venkatesan** | **Electrical and**  **Electronics Engineering** | International Journal of Computer Application | 2010 |  |
| Efficient design of grid connected  wind energy conversion system using PMSG | R.Varmela  **S.Chandrasekaran** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science and Technology | 2017 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Intelligent control of MOSFET  inverter grid tied photo voltaic system | M.Hema  **A.Balasubramanian**  L.Vinothini | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science and Technology | 2017 |  |
| Design and Analysis of Luo  converter based DMPPT and CPG for solar PV systems | **A.Balasubramanian**  R.Tamilvendhan | **Electrical and**  **Electronics Engineering** | International Journal for Trends in Engineering and Technology | 2016 |  |
| Study of Electromagnetic Field Effects on Human | **A.Balasubramanian**  **K.Kalpana G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal Of Scientific and Engineering Research | 2015 |  |
| Efficient design of GC photo voltaic  system via sepic converter and MPPT | L.Vinothini  **K.Kalpana**  M.Hema | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science & Technology | 2017 |  |
| An Efficient Design Of GC Photovoltaic System Via Boost Converter And MPPT | L.Vinothini  **K.Kalpana** | **Electrical and Electronics Engineering** | International Journal Of Advanced Research In Basic Engineering Sciences And Technology | 2016 |  |
| Improved Performance of D- statcom using fuzzy logic control for reactive power compensation | S.Amali arputha mary  **K.Kalpana** | **Electrical and Electronics Engineering** | International Journal of Emerging Trends in Science and Technology | 2016 |  |
| Study of Electromagnetic Field Effects on Human | **A.Balasubramanian**  **K.Kalpana G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal Of Scientific and Engineering Research | 2015 |  |
| Design and Implementation of CUK Converter | P.Manisankar  N.Sathish Kumar **N.Vimal Bharathi G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal of Modern Science & Technology (IJMST) | 2017 |  |
| A Nonisolated Multi input Multi  output DC – DC Boost Converter for Different Voltages Requirements | M.Usha Nandhini  **N.Vimalbharathi** | **Electrical and Electronics Engineering** | International of Advanced Engineering Research and Technology | 2016 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Design and Analysis of Super Lift Boost Converter | S.Dharanya  R.Baby P.Alexraj  **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal of Modern Science & Technology | 2017 |  |
| Interleaved Boost Converter for Wind Energy System with STATCOM | M.Saranya  R.Pazhanimurugan **G.Balasubramanian** D.Saravanan | **Electrical and Electronics Engineering** | International Journal of Earth Sciences and Engineering (In Progress) | 2016 |  |
| Energy optimal managent for  home to home using various green energy resources | S.Sivasakthi  **R.Pazhanimurugan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science & Technology | 2017 |  |
| Interleaved Boost Converter for Wind Energy System with STATCOM | M.Saranya  **R.Pazhanimurugan G.Balasubramanian** D.Saravanan | **Electrical and Electronics Engineering** | International Journal of Earth Sciences and Engineering (In Progress) | 2016 |  |
| A Switched Capacitor Three Phase  Ac-Ac Converter with Closed Loop Control | A.Keerthana  **R.Pazhanimurugan** | **Electrical and**  **Electronics Engineering** | International Journal of Emerging Trends in Science and Technology | 2016 |  |
| Novel Application of SEPIC  Converter in HID Street Lighting System | **R.Pazhanimurugan** | **Electrical and**  **Electronics Engineering** | International Journal of Applied Engineering Research | 2015 |  |
| Fuel Cell Based Interleaved boost  Converter for High Voltage Applications | S.Dharanya  R.Baby  **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal for Modern Trends in Science and Technology (IJMTST) | 2017 |  |
| Grid Connected photovoltaic Multilevel Inverter using Maximum Power Point Tracking Algorithm | P.Manisankar N.Sathish Kumar **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal for Modern Trends in Science and Technology (IJMTST) | 2017 |  |
| IOT Based Smart Power Management Systems | S.Kiruthiga  **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal for Modern Trends in Science and Technology (IJMTST) | 2017 |  |
| Hardware Architecture for IOT  Based Smart Power Management System | S.Kiruthiga  **G.Balasubramanian R.Malarvannan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science & Technology (IJMST) | 2017 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Design and Analysis of Super Lift Boost Converter | S.Dharanya  R.Baby  **P.Alexraj** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science & Technology (IJMST) | 2017 |  |
| Design and Implementation of CUK Converter | P.Manisankar  N.Sathish Kumar **N.Vimal Bharathi G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal of Modern Science & Technology (IJMST) | 2017 |  |
| Design and Implementation of  Three Level Interleaved Boost Converter for High Voltage Applications | S.Sivaranjani  **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal of Modern Science & Technology (IJMST) | 2017 |  |
| Real Time Application of Smart Grid in Distributed Systems | V.Dhanasamy  K.Tamilmaran M.Manoj **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal of Modern Science & Technology (IJMST) | 2017 |  |
| Control of Adjustable Speed Drives using Z-Source Inverter | **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal of Advanced and Innovative Research | 2016 |  |
| Direct Torque Control for Three Phase Induction Motor Drives | **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal of Trend in Research and Development | 2016 |  |
| Design and Implementation of  Induction Motor Drive using Fuzzy Logic Controller | **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal of Science & Engineering Development Research | 2016 |  |
| Application of Nanotechnology in Medicine | V.Dhanasamy  V.Gowthaman M.Manoj, S.Bharathivel, **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Recent Research Journal on Science and Technology | 2016 |  |
| Development of Programmable Logic Controller (PLC) | V.Dhanasamy,  K.Tamilmaran and V.Gowthaman, **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Recent Research Journal on Science and Technology | 2016 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Prepaid Smart Meter Energy  Management System using Arduino Microcontroller with LabVIEW | **G.Balasubramanian** | **Electrical and Electronics Engineering** | International Journal for Scientific Research and Development | 2016 |  |
| Control and Monitoring for  Automated Irrigation System using Android | **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal for Research and Development in Technology | 2016 |  |
| Design and Implementation of  Dynamic Voltage Restorer for Voltage Sag Mitigation | **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Research Journal of Advanced Engineering and Science | 2016 |  |
| Hardware Implementation of Z-  Source Inverter Based Dynamic Voltage Restorer | **G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Research Journal of Engineering and Technology | 2016 |  |
| Interleaved Boost Converter for Wind Energy System with STATCOM | M.Saranya  **R.Pazhanimurugan G.Balasubramanian** D.Saravanan | **Electrical and Electronics Engineering** | International Journal of Earth Sciences and Engineering (In Progress) | 2016 |  |
| Design and Implementation of  Automatic Fault Detection & Clearance in Pipeline using Advanced Robotic System | **G.Balasubramanian M.Thiyagarajan** | **Electrical and Electronics Engineering** | International Recent Research Journal on Science and Technology | 2016 |  |
| PSIM Based Dynamic Voltage Restorer for Voltage Sag Mitigation | **G.Balasubramanian**  **M.Thiyagarajan R.Malarvannan** | **Electrical and**  **Electronics Engineering** | International Journal of Multidisciplinary Educational Research | 2015 |  |
| Study of Electromagnetic Field Effects on Human | **A.Balasubramanian**  **K.Kalpana G.Balasubramanian** | **Electrical and**  **Electronics Engineering** | International Journal Of Scientific and Engineering Research | 2015 |  |
| Dynamic Voltage Restorer for  Voltage Sag Mitigation using PI with Fuzzy Logic Controller | **G.Balasubramanian**  S.Ezhilarasan | **Electrical and**  **Electronics Engineering** | International Journal of Engineering Research and Applications | 2013 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Performance Improvement of the DVR using Space Vector Pulse Width Modulation (SVPWM) for Voltage Sag Mitigation | **G.Balasubramanian** & S.Ezhilarasan | **Electrical and Electronics Engineering** | Journal of Engineering and Technology | 2012 |  |
| Hardware Architecture for IOT  Based Smart Power Management System | S.Kiruthiga  **G.Balasubramanian & R.Malarvannan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science & Technology | 2017 |  |
| PSIM Based Dynamic Voltage Restorer for Voltage Sag Mitigation | **G.Balasubramanian**  **M.Thiyagarajan & R.Malarvannan** | **Electrical and**  **Electronics Engineering** | International Journal of Multidisciplinary Educational Research | 2015 |  |
| Hardware and Simulation design of voltage and frequency regulations in a grid connected system using solar PV panel | A.Anbumani **Dr.C.Venkatesan & M.Thiyagarajan** | **Electrical and Electronics Engineering** | International Journal of Modern Science and Technology | 2017 |  |
| Multiport converter based hybrid power generation system | **Dr.C.Venkatesan**  S.Sivasakthi &  **M.Thiyagarajan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science and Technology | 2016 |  |
| Implementation of solar based grid  tied with interleaved fly back inverter | **Dr.C.Venkatesan**  S.Sivasakthi &  **M.Thiyagarajan** | **Electrical and**  **Electronics Engineering** | International Journal of Modern Science and Technology | 2016 |  |
| Design and Implementation of  Automatic Fault Detection & Clearance in Pipeline using Advanced Robotic System | **G.Balasubramanian & M.Thiyagarajan** | **Electrical and Electronics Engineering** | International Recent Research Journal on Science and Technology | 2016 |  |
| PSIM Based Dynamic Voltage Restorer for Voltage Sag Mitigation | **G.Balasubramanian,**  **M.Thiyagarajan & R.Malarvannan** | **Electrical and**  **Electronics Engineering** | International Journal of Multidisciplinary Educational Research | 2015 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Effect of blending alcohol with diesel on performance, combustion and emission characteristics of four stroke diesel engine – An experimental study | **Dr. T. Balamurugan** | **Mechanical Engineering** | International Journal of Chemtech Research | 2014 | vol. 6, no.1, pp.  750-762. |
| Investigation of surface Roughness  on R19Steel Using PIN on Disc Apparatus | **P. Vignesh** | **Mechanical** | International Journal of Applied Mechanics and Materials | 2014 | vol. 591,pp. 81-84,  doi: 10.4028 |
| Experimental investigation on the  effect of alkanes blending on performance, combustion and emission characteristics of four stroke diesel engine | **Dr. T. Balamurugan** | **Mechanical** | International Journal of Ambient Energy | 2016 | DOI: 10.1080/01430750  .2014.915887 |
| Experimental study on  performance, combustion and emission characteristics of four stroke diesel engine using blended fuel | **Dr. T. Balamurugan** | **Mechanical** | International Journal of Ambient Energy | 2016 | DOI: 10.1080/01430750  .2014.952839. |
| Experimental investigation on performance, combustion and emission characteristics of four stroke diesel engine using diesel blended with alcohol as fuel | **Dr. T. Balamurugan** | **Mechanical** | Energy | 2014 | Vol. 78, pp. 356-  363 |
| Experimental investigation on the  effect of alkane blending on performance, combustion and emission characteristics of four stroke diesel engine | **Dr. T. Balamurugan** | **Mechanical** | International Journal Of Current Research and Development | 2014 | Vol.2, no. 2, pp. 59-  70. |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Experimental study on performance and emission characteristics of four stroke diesel engine using blended fuel | **Dr. T. Balamurugan** | **Mechanical** | International Journal Of Current Research and Development | 2015 | Vol.3, no. 1, pp. 70-  76. |
| Modeling and Optimization of Wire EDM Process | **Mr. K. Kumar** | **Mechanical** | International Journal of Modern Engineering Research (IJMER) | 2013 | Vol.3, issue 3,  pp.1645-1648, ISSN: 2249-6645 |
| Modeling and Optimization of Wire EDM Process | **Mr. K. Kumar** | **Mechanical** | International Journal of Mechanical & Mechatronics Engineering IJMME-IJENS | 2016 | Vol.14, no.05,  pp.37-50, ISSN: 2077-124 X |
| Modeling and Optimization of Wire EDM Process | **Mr. K. Kumar** | **Mechanical** | International Journal of advanced technology in engineering and sciences IJATES | 2015 | Vol. 03, issue 11, pp.349-359, ISSN 2348-7550 |
| An Investigation On Effect Of  Process Parameter Of Pulsed Tig Welded Aluminum Alloy On Mechanical And Corrosion Properties | **Mr. C. Parthasarathy** | **Mechanical** | International Journal for Research in Applied Science  & EngineeringTechnology (IJRASET) | 2015 | Vol. 3, Issue X, Oct 2015 |
| Review on Phase Change Materials  with Nanoparticle in Engineering Applications | **Mr. C. Kaviarasu** | **Mechanical** | Journal of Engineering Science and Technology Review | 2016 | Vol. 9 , Issue 4, pp  26 - 36 |
| Reactivity of cyclanols with 1- bromobenzimidazole in acid | **Dr. M. Rukmangathan** & Dr. V. Santhoshkumar | **Chemistry** | Der Chemica Sinica | 2013 | 4(5):106-111 |
| Kinetics and Mechanism of oxidation of Benzyl alcohol and | **Dr. M. Rukmangathan** & Dr. V. Santhoshkumar | **Chemistry** | International Journal of Research in Physical | 2013 | 3(4):14-17 |
| 1-bromobenzimidazole oxidation of aliphatic alcohols-A kinetic | **Dr. M. Rukmangathan** & Dr. V. Santhoshkumar | **Chemistry** | International Journal of Chemistry and | 2013 | 2(9):1137-1141 |
| Kinetics and Mechanism of  Oxidation of Aliphatic Primary Alcohols with 1- Chlorobenzimidazole in Aqueous Acetic Acid Medium | **Dr. M. Rukmangathan** | **Chemistry** | De Gruyter, Z. Phys. Chem. | 2015 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Oxidative deamination and  decaroxylation of leucine by 1- Chlorobenzimidazole in acid medium – A Kinetic approach | **Dr. M. Rukmangathan** | **Chemistry** | International Journal of Modern Science and Technology | 2016 |  |
| Reactivity of Benzyl alcohol and substituted Benzyl alcohols with 1- Chloro benzimidazole in acid medium – A Kinetic and Mechanistic approach | **Dr. M. Rukmangathan** | **Chemistry** | International Journal of Applied Sciences (IRA) | 2016 |  |
| Phenylhydrazones of Piperidin-4- ones as AND, OR, NOR, NAND, and INH Molecular Logic Gates | na C. X, **S.Chandrasekar** | **Chemistry** | Applied spectroscopy | 2013 |  |
| Binding of Coumarin 334 with �- cyclodextrin and with C- Hexylpyrogallol[4] arene: opposite fluorescence behavior | **karan** and I. V. Muthu V | **Chemistry** | Journal of Spectroscopy | 2013 |  |
| Interaction of Coumarin 7 and  Coumarin 314 with C- Hexylpyrogallol[4]arene | **karan** and I. V. Muthu V | **Chemistry** | Journal of Solution Chemistry | 2013 |  |
| Fluorescence quenching of Coumarin 314 by �-Cyclodextrin and the effect of �-Cyclodextrin on its binding with calf thymus DNA | , Y.Sameena and I. V. M | **Chemistry** | Australian Journal of Chemistry | 2014 |  |
| C-Hexylpyrogallol[4]arene and �-  Cyclodextrin as Directors of The Mode of Binding of Coumarin 153 With DNA | , Y.Sameena and I. V. M | **Chemistry** | Supramolecular Chemistry | 2014 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Host–guest association of coumarin 343 with �-cyclodextrin and C-hexyl pyrogallol[4]arene: opposite fluorescent behaviour and prototropic characteristics | , Y.Sameena and I. V. M | **Chemistry** | Journal of Inclusion Phenomena and Macrocyclic Chemistry | 2014 |  |
| Binding of the host–guest complex of 7-amino flavone/�-cyclodextrin with DNA: A spectroscopic and molecular docking study | eena,I. V. Muthu Vijaya | **Chemistry** | The Journal of Solution Chemistry | 2014 |  |
| Binding of Flavanone with �-  CD/ctDNA: A Spectroscopic investigation | , Y.Sameena and I. V. M | **Chemistry** | Turkish Journal of Chemistry | 2014 |  |
| Tuning the Binding of Coumarin 6  with DNA by molecular encapsulators: Effect of �- Cyclodextrin and C- Hexylpyrogallol[4] arene | , Y.Sameena and I. V. M | **Chemistry** | Journal of Molecular Recognition | 2014 |  |
| Capping of Silybin with �-  Cyclodextrin Influences its Binding with Bovine Serum Albumin: A Study by Fluorescence Spectroscopy and Molecular Modeling | **asekaran**, D. Premnath | a **Chemistry** | Bulletein of Korean Chemical Society | 2014 |  |
| Host-Guest Interaction of Flavanone and 7-Amino flavone with C-Hexyl pyrogallol[4]-arene | **karan** and I. V. Muthu V | **Chemistry** | Journal of Molecular Structure | 2014 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| The role of encapsulation by �- cyclodextrin in the interaction of Raloxifene with macromolecular targets: a study by spectroscopy and molecular modeling | ha, **S. Chandrasekaran**, I | **Chemistry** | Journal of Biological physics | 2014 |  |
| Binding of a Chromen-4-one Schiff’s base with Bovine Serum Albumin: Capping with �-Cyclo dextrin influences the binding | N. Sudha, D. Premnath | **Chemistry** | Journal of biomolecular structure and dynamics | 2014 |  |
| Alteration of the Binding Strength of Dronedarone with Bovine Serum Albumin by �-Cyclodextrin: A Spectroscopic Study | **handrasekaran**, I. V. M. | **Chemistry** | Spectroscopy Letters | 2015 |  |
| Mode of encapsulation of Linezolid by �-Cyclodextrin and its role in Bovine Serum Albumin binding | **ekaran**, Y. Sameena, an | **Chemistry** | Carbohydrate polymers | 2015 |  |
| Host-guest complexes of Baicalein  and Silybin with C- hexylpyrogallol[4]arene: Determination of the stoichiometry and the mode of binding | **n S**, Murugesh E, and I. | **Chemistry** | Journal of Chemical and Pharmaceutical Research | 2015 |  |
| Binding of baicalein and its �-  cyclodextrin complex with DNA: A study by fluorescence spectroscopy and molecular modeling | **Chandrasekaran**, Israel | **Chemistry** | Journal of Biomolecular Structure and Dynamics | 2016 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Host-guest association of Morin  with �-CD and C- Hexylpyrogallol[4]arene: Structure of the complexes and the effect of pH | **sekaran**, I. V. Muthu Vij | **Chemistry** | The Journal of Structural Chemistry | 2016 |  |
| Modulation of the interaction of  Coumarin 7 with DNA by �–Cyclo dextrin | , Y.Sameena and I. V. M | **Chemistry** | Journal of Inclusion Phenomena and Macrocyclic chemistry | 2014 |  |
| On unitary bimatrices | **Dr.P.Maduranthaki** | **Mathematics** | International journal of current research | 2014 | Vol. 6, Issue, 09 |
| On some properties of unitary and normal bimatrices | **Dr.P.Maduranthaki** | **Mathematics** | International Journal of Recent Scientific Research | 2014 | Vol. 5, Issue, 10 |
| Spectral properties of unitary and normal bimatrices | **Dr.P.Maduranthaki** | **Mathematics** | SPECTRAL PROPERTIES OF UNITARY  AND NORMAL BIMATRICES | 2014 | Vol. 2, Issue, 10 |
| On least square, minimum norm generalized inverses of bimatrices | **Dr.P.Maduranthaki** | **Mathematics** | IOSR Journal of Mathematics (IOSR-JM) | 2015 | e-ISSN: -2278- ISSN: 2319-765X  Volume 11, Issue 1  Ver. VI |
| Structural and Spectroscopic  investigation of glycinium oxaluarate | **Mrs.T.Kavitha** | **Physics** | Journal of Molecular structure | 2017 | Volume - 1143,378-  387 |
| Study of raw materials for making  ceramic product and physico- mechanical properties of ceramic product made from rock residue powder | **Dr.R.Vijayaragavan** | **Physics** | Asian Journal of Chemistry | 2013 | Suppl. Issue. 25, S449-S454 |
| Physico-mechanical investigations on mineralogical clay-based ceramic bodies with rock residue | **Dr.R.Vijayaragavan** | **Physics** | Journal of King Saud University – Engineering Sciences | Available online 12  February 2016 |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mineralogical characterization  studies on unburnt ceramic product made from rock residue additives by FT-IR Spectroscopic technique. | **Dr.R.Vijayaragavan** | **Physics** | International Journal of Modern Physics | 2013 | Conf. Series 22, 62-  70 |
| Effect of firing temperature on  physical characteristics of the ceramic bricks | **Dr.R.Vijayaragavan** | **Physics** | Acta Ciencia Indica, | 2012 | Vol.XXXVIII, P.No.1, 33-38 |
| Production of brick materials from  Municipal solid waste ash | **Dr.R.Vijayaragavan** | **Physics** | Material Science Research India | 2011 | Vol. 8 (1), 143-147 |
| Effect of sintering temperature on the properties and microstructure of a ceramic product | **Dr.R.Vijayaragavan** | **Physics** | Material Science Research India, | 2011 | Vol. 8 (2), 321-325 |
| FT-IR spectral and mechanical  strength analysis of various temperature withstand fired ceramic bricks | **Dr.R.Vijayaragavan** | **Physics** | Acta Cinecia Indica | 2007 | Vol-XXXIII P, No.1, 043-048 |
| Chemical and Strength behavior  analysis of some green brick samples | **Dr.R.Vijayaragavan** | **Physics** | Acta Cinecia Indica | 2008 | Vol-XXXIV P, No.1, 023-027 |
| Mineralogical studies on some  green bricks specimens by FT-IR Spectroscopic Technique | **Dr.R.Vijayaragavan** | **Physics** | Acta Cinecia Indica | 2008 | Vol-XXXIV P, No.3, 501-505 |