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**Publications (Last 5 years)**

- Paper published “IMU Based Indoor Mobility Alignment and its 3D Cloud Point Generation” International Journal of Engineering Science and Innovative Technology Vol.4,no.2, PP no. 249-255, March 2015. ISSN: 2319-5967.
- Paper published “Harmonic Analysis of Multilevel Inverter with Reduced Number of Switches and DC-Sources” International Journal of Engineering Science and Innovative Technology Vol.4, no.2, PP no. 256-262, March 2015.
- Paper published “A Multiport Standalone Hybrid Power Generation System for Rural Areas with Active Power Compensation Using SSSC” **International Journal of Applied Engineering Research (IJAER)**, Vol.10, no.9, PP no. 7753-7757, April 2015. **Scopus impact factor =0.19**
- Paper published “Performance Enhancement of a Low-Complexity Synchronizer for OFDM-Based UWB System” in **International Journal of Applied Engineering Research (IJAER)**, Vol.10,no.9, PP no. 7005-7009, April 2015. ISSN 0973-45623 (2015). **Scopus impact factor =0.19**
- Paper published “IMPLEMENTATION OF HIGH PERFORMANCE PHASE SHIFT FULL BRIDGE DC-DC CONVERTER FED DC DRIVE” in **International Journal of Applied Engineering Research (IJAER)**, Vol.10,no.83, PP no. 113-118, Nov 2015. ISSN 0973-45623 (2015). **Scopus impact factor =0.19**. ISSN 0973-4562
- Paper published “Project Based Learning –Reflecting back on our own experience and relating to present situations” **International Journal of Applied Engineering Research (IJAER)** , Vol.10,no.84, PP no. 238-240, Nov 2015. ISSN 0973-45623 (2015).**Scopus impact factor =0.19**. ISSN 0973-4562.
- “Application of VFDs For Improving The Energy Efficiency of Industrial Grade Air Compressor” paper published in **International Journal of Engineering and Technology (IJET)**, PP.no 1288 – 1294,Vol 9 No 2 Apr-May 2017,ISSN (Print) : 2319-8613, ISSN (Online) : 0975-4024.**UGC Listed Journal , ISSN Number : 23198613.**

- “Masonic Cipher for MANET” paper published in **International Journal of Control Theory and Applications, Volume.10, no.13, 2017, pp.no.103-109.November 2016.** ISSN 0974-5572.
- “Incipient Fault detection of Inverter fed Induction Motor” paper published in **International Journal of Power Electronics and Drive Systems (IJPEDS)**, Vol 8, No 2, pp.no:722-729. June 2017. **ISSN:2088-8694 Scopus impact factor =0.24.**
- “A Novel Load Frequency Controller for Hybrid Power Generation Network” paper published in International Journal of Pure and Applied Mathematics (**IJPAM**), Vol 117 No. 16 2017, pp.no 43-50. December 2017. **ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)** <https://acadpubl.eu/jsi/2017-117-16/issue16.html>
- “Dynamic analysis of power loss minimization and voltage profile enhancement using UPFC device” International Journal of Pure and Applied Mathematics, volume no.116, issue -10 , pp. 381-388, 2017. <https://acadpubl.eu/jsi/2017-116-8/articles/10/60.pdf>
- **“A Simple Control Technique for Unified Power Flow Controller (UPFC)** International Journal of Pure and Applied Mathematics, volume no.116 No. 21 2017, PP.No:469-477.
- **“Design and Analysis of a Novel PWM Inverter”,** Journal of Adv Research in Dynamical & Control Systems, Vol. 10, 08-Special Issue, PP.NO.1371-1375, 2018. **Scopus impact factor =0.11** <https://www.jardcs.org/backissues/abstract.php?archiveid=4432>
- **“PMSG Based Maximum Power Tracking of Wind Energy with Interleaved Cuk Converter Using FLC”,** Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 08-Special Issue, pp.no.1323 – 1331, June 2018. **Scopus impact factor =0.11**
- “A Potential Solution to Deal with the Privacy Protection for Smart Grid Network Communications - A Research Proposal”, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 07-Special Issue, PP.No 1470-1473, June 2018. **Scopus impact factor =0.11**
- “Study of UPFC and DPFC to less harmonic distortion” ,**International Journal of Intellectual Advancements and Research in Engineering Computations, Volume-6 Issue-2** [www.ijiarec.com](http://www.ijiarec.com)
- “Reducing PAPR with Optimization Based Spectrum Sensing Using FPGA Configuration” paper published in International Journal of Pure and Applied Mathematics, Volume 118 No. 24, PP.No 1-12, April 27, 2018. ISSN: 1314-3395. (on-line version) url: <http://www.acadpubl.eu/hub/>
- “A Survey on Detection, Recognition, Segmentation and Classification of Brain Tumor”, paper published in International Journal of Engineering and Advanced Technology (IJEAT, PP.no:2249 – 8958, January 2019. ), **SCOPUS Indexed**
- “A survey on optimization based spectrum sensing techniques to reduce ISI and PAPR in OFDM based cognitive radio system” published in **International Journal**

**of Network Security & Its Applications (IJNSA) (UGC)**, Vol. 11, No.1, January 2019.

- “Design and Implementation of Novel controllers in Digital Circuits Using GDI Technology”, paper published in International Journal of Recent Technology and Engineering (IJRTE)- Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Volume-7, Issue-5S3, February 2019. **SCOPUS Indexed**
- “A Novel Privacy Preserving Algorithm for Large-Scale MANETs” paper published in International Journal of Innovative Technology and Exploring Engineering (IJITEE)- Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2278-3075, Volume-8 Issue-6, PP.No.367-370, April 2019. **SCOPUS Indexed**
- “A review of optimization techniques applied to solve unit commitment problem in microgrid” paper published in Indonesian Journal of Electrical Engineering and Computer Science Vol. 15, No. 3, September 2019, pp. 1161~1169 ISSN: 2502-4752, DOI: 10.11591/ijeecs.v15.i3.pp1161-1169. **SCOPUS Indexed**
- Dr.S.Baskar,” Design and Testing of PWM controlled Four Switch Three Phase Inverter Based UPFC” Test engineering and management, May -June 2020,Volume -83,ISSN: 0193,4120 Page No. 1853, 1855.
- Dr.S.Baskar,”Enhanced modulation scheme for cognitive radio over Rayleigh fading channels using power allocation and spectrum sensing models” , paper published in Int. Journal of Cloud Computing, Vol. 9, Nos. 2/3, 2020,PP NO 284-294. **SCOPUS Indexed**  
**Impact factor : 0.15**
- Dr.S.Baskar,”Safe Engineering Applications for Diagnosis of Brain Abnormalities using Adaptive Local Binary Pattern Based Texture Analysis” paper published in Journal of Green engineering, Vol. 10, No. 9, 2020, ISSN 1904-4720 (PRINT) ISSN 2245-4586 (Online) DOI: Pages: 4727–4743. **SCOPUS Indexed.**
- **Scopus id:**  
<https://www.scopus.com/authid/detail.uri?authorId=57194414763>  
**Orcid id:** <https://orcid.org/0000-0002-0700-6048>  
**Google Scholar Id:** [https://scholar.google.com/citations?hl=en&user=8CN\\_xcAAAAJ](https://scholar.google.com/citations?hl=en&user=8CN_xcAAAAJ)

#### **International Conferences Published -19**

- S.Baskar “A Multiport Standalone Hybrid Power Generation System For Rural Areas With Active Power Compensation Using SSSC” **International Conference on Engineering Technology and Science (ICETS’15)**,March 5-6,2014 at Muthayammal College of Engineering, Rasipuram, Namakkal, Tamilnadu, India.
- S.Baskar “Performance Enhancement of a Low-Complexity Synchronizer for OFDM-Based UWB System” **International Conference on Engineering Technology and Science (ICETS’15)**,March 5-6,2014 at Muthayammal College of Engineering, Rasipuram, Namakkal, Tamilnadu, India.

- “Diverse Fault Detection Techniques of Three- phase Induction Motor- A Review” paper published in the **International Conference on Emerging Technological Trends (ICETT)**, 21-22 Oct. 2016, organized by Baseliros Mathews II College of Engineering . **DOI: [10.1109/ICETT.2016.7873779](https://doi.org/10.1109/ICETT.2016.7873779)** **SCOPUS Indexed**
- “LETTER TO SHAPE ENCRYPTION FOR SECURING MANET” paper published in 2016 **IEEE International Conference on Computational Intelligence and Computing Research (2016 IEEE ICCIC)**, held from December 15 to December 17, 2016, Agni College of Technology Old Mahabalipuram Road, Thalambur, Chennai - 600 130, Tamil Nadu, India. **SCOPUS Indexed**
- Research paper “ Fault Analysis of Voltage Source Inverter fed Induction Motor Drive” Published **in IEEE International Conference on Computational Intelligence and Computing Research (ICCIC)** held on the 15th, 16th and 17th of December, 2016 at Agni College of Technology, Chennai, Volume .978-1-5090-0610-6/16 page no 572-578. Paper Id : ICCIC1600349. **SCOPUS Indexed**
- “Masonic Cipher For Manet” paper published in **2nd International Conference on Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2017)** will be held in Belagavi, India organized by Jain College of Engineering, Belagavi (Near Goa), India ,during January 27-28, 2017.
- “Fault Analysis of Voltage Source Inverter fed Induction Motor Drive”, paper published on 15-17.12.2016 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC) **IEEE conference** at Agni college of technology, chennai, india.
- “Evaluation of BER Vs Eb/No on Rayleigh and AWGN channel of OFDM based Cognitive Radio Network”, Published in International Conference on Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering, **(IDAD 2017)** on 22<sup>nd</sup> to 24<sup>th</sup> February 2017.
- “Hybrid Energy System with UPFC Power Flow Control for Short transmission”, Published in International Conference on Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering, **(IDAD 2017)** on 22<sup>nd</sup> to 24<sup>th</sup> February, 2017.
- “Investigations on Voltage Stability Improvement with STATCOM in Multi Area System Using FLC” Research paper published in **ICCTEE 2018**, on 28-02-2018 at Karpagam College of Engineering, Coimbatore.
- “A Simple Control Technique For Unified Power Flow Controller (UPFC)” Research paper published in International Conference on emerging Trends in Information and communication **EMTIC-2017** on 6 & 7 April, 2017 at S.A.Engineering College, Chennai.
- “study of UPFC and DPFC to less harmonica distortion” in International Conference on Recent Innovations in Engineering, Technology and Management **(ICRIETM-2018)** on 23<sup>rd</sup> March 2018, at Nandha Engineering College, Erode, Tamilnadu, India.

- “Evaluation Of Ber Vs Eb/No Performance Of BPSK Modulation With OFDM Based Cognitive Radio Network” paper published in International Conference On Innovative Techniques In Science, Engineering & Information Technology **(ICITSEIT-18)**, on 11-13<sup>th</sup> march, 2018 at Vivekananda Institute of Technology & Science, Karimnagar.
- “A review on optimization based spectrum sensing Techniques to Reduce ISI and PAPR in OFDM with FPGA Configuration”, Research paper published in International Conference on Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering **(I-DAD 2018)** on February 22<sup>nd</sup> to 24<sup>th</sup> 2018, at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai – 600 062.
- “Design And Implementation Of Novel Controller In Digital Circuits Using Gdi Technology”, 6<sup>th</sup> International conference on Contemporary Engineering and Technology ICCET 2018, 10-11<sup>th</sup> March 2018 at Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, Tamil Nadu.
- “A Survey on Detection, Recognition, Segmentation and Classification of Brain Tumor”, Research paper published in, International Conference On Emerging Trends On Engineering Science, Technology And Management (ICETESTM-18), On 29<sup>th</sup> & 30<sup>th</sup> November 2018 at Aditya Institute of Technology and Management, AITAM Road, Tekkali,, Srikakulam, India.
- “Control Strategies of Micro Grid With UPFC Using ISCPWM Inverter” paper published in **IEEE International Conference in Smart Systems and Inventive Technology (ICSSIT)**, on 13-14 Dec. 2018 organized by Francis Xavier Engineering College, Tirunelveli, India. **Scopus indexed**