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Area of specialization

- High Voltage Engineering.
- Power Electronics and drives.

**Publications**

**International Journals:**

1. A.Balamanikandan,**K.Krishnamoorthi**, “Low area ASIC implementation of LUT– CLA– QTL architecture for cryptography applications” Wireless Networks The Journal of Mobile Communication, Computation and Information, ,( Springer) , volume 25, No 5 ISSN 1022-0038 July 2019.
2. A.Balamanikandan,**K.Krishnamoorthi** , “Efficient design and analysis of Error tolerant approximate computing-ETAC through Partial Product Perforation” Journal of electrical Engineering,volme 19/2019,Edition 1,pp 317-322,ISSN 1582-4594,2019.
3. S.Sasikumar, **K.Krishnamoorthi**, “DESIGN AND IMPLEMENTATION OF BIDIRECTIONAL CONVERTER FOR ELECTRIC AND HYBRID ELECTRIC VEHICLES” Journal of electrical Engineering,volme 19/2019,Edition 1,pp 398-409,ISSN 1582-4594,2019.
4. R. Mohandas, **K. Krishnamoorthi**, V. Sudha, “Energy Sensitive Cluster Level Security Selection Scheme for MANET” International journal of Wireless Personal Communications,( Springer) Volume105 , Issue 3,pp-973-991 ISSN 0929-6212, April 2019.
5. G. Suresh, R. Shivakumar and **K. Krishnamoorthi** ,” stability analysis of hybrid thermal and wind energy system using modified water cycle tuned dual input controller, Ecology , Environment and conservation Vol 23, Sep 2017 pp (276-281) ISSN 0971-765X.
6. S. Sasikumar, **K. Krishnamoorthi**, S. Shivakumar,” Design of bidirectional converter for battery operated applications using Renewable energy systems” Ecology ,Environment and conservation Vol 23,Sep 2017, pp-(S204-S209) ISSN 0971-765X.
7. S. Sasikumar, **K. Krishnamoorthi**, R. Sivakumar,” A Bidirectional Converter Using Fuzzy Controller” International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue .1, pp-429-436, Jan 2017. ISSN **2277-9655**.
8. V. Vijayal, **K. Krishnamoorthi**, S. Sasikumar,” The Identification of Fault in HVDC Transmission Line using Transient Protection Scheme” International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 5 Issue .4, pp-695-701, Apr 2017.

9. S. Sasikumar, **K. Krishnamoorthi**, N. Soniya ,” A Design of Bidirectional Converter with user-friendly Technology” INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY, Volume 7 Issue .1, pp-137-141, Jan 2017.
10. S. Sasikumar, **K. Krishnamoorthi**, N. Soniya ,” Design Of Bidirectional Converter Using Fuzzy Logic Controller To Optimize Battery Performance In Electric Vehicle” International Journal of Innovative Research in Science, Engineering and Technology, Volume 6 Issue .2, pp-1111-1118, Feb 2017.
11. S. Sasikumar, **K. Krishnamoorthi**, N. Soniya ,” Analysis of Bidirectional Converter for Power Sharing From Vehicle to Grid” Imperial Journal of Interdisciplinary Research (IJIR), Volume 3 Issue .2, pp-122-126, Feb 2017.
12. R. Mohandas, **K. Krishnamoorthi**, “*MANET Security Betterment by Enhanced Multiple Key Management Scheme*” International journal of Wireless Personal Communications, (Springer) Volume 88, Issue 3, ISSN 0929-6212, June 2016.
13. S. Sasikumar, **K. Krishnamoorthi**, S. keerthana ,” A bidirectional power converter for battery of hybrid electric vehicle” International journal of emerging technology in computer science and electronics, Volume 22 Issue .1, pp-50-54, May 2016.
14. S. Sasikumar, **K. Krishnamoorthi**,” A Literature survey on bidirectional DC to DC converter” International journal of latest technology in Engineering, Management & applied science, Volume 4 Issue .10, pp-89-93, oct 2015.
15. K. kavitha, **K. Krishnamoorthi**, “Flow based approximation techniques for cuk converter design in photo voltaic energy systems”, International Journal of Applied Engineering Research, Volume 10, No. 21, pp-19953-19959, 2015.
16. M. Tamil Anban, **K. Krishnamoorthi**,’ Energy Storage system for Reconfigurable Solar Converter for Residential Loads”, International Journal of Applied Engineering Research, Volume 10, No. 21 pp-19871-19877, 2015.
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21. V. sudharani, **k. krishnamoorthi** “Adaptive Mode Control of a Resonant dc to dc converter for fuel cell Application” Journal of Recent Research in Engineering and Technology, Volume 2 Issue 1 pp 1-8 ,Jan 2015.