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PUBLICATIONS

INTERNATIONAL JOURNALS:

1. Premanand, S., **Selvaraj, A.** and Paranjothi, S. R. "Voltage sag mitigation on ASD", International Journal of Engineering Science and Technology, Vol. 3, No. 2, pp. 1339-1343, 2011.
2. **Selvaraj, A.**, Paranjothi, S. R. and Natarajan, K. V. "Mitigation of voltage sag effect in ASD fed induction motor using single-phase neutral linked Vienna rectifier", European Journal of Scientific Research, Vol. 80, No. 2, pp. 151-158, 2012.
3. **Selvaraj, A.**, Paranjothi, S. R. and Jegadees, B. "Single-phase neutral linked Vienna rectifier for the mitigation of voltage sag effect in ASD fed induction motor", ARPN Journal of Engineering and Applied Sciences, Vol. 7, No. 7, pp. 885-889, 2012.
4. **Selvaraj, A.** and Paranjothi, S. R. "Performance improvement of ASD fed induction motor under voltage sag conditions", UACEE International Journal of Advancements in Electronics and Electrical, Vol. 1, No. 1, pp. 68-72, 2012.
5. SB Ron Carter, **A Selvaraj**, "Design and Implementation of PLC based Elevator", International Journal of Computer Applications, vol. 68(7), pp 4-10. 2013
6. Sethupriyan. P, **Selvaraj. A**, Surendar. S. "A Wireless Speed Control of AC Drive System", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 3, Special Issue 2, April 2014
7. Julie Thomas, **Selvaraj A.** "Analysis of Front End Swiss Rectifier in Drive System during Voltage Sag", International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Special Issue 3, March 2014
8. **Dr. A. Selvaraj**, K. Charity Ester Joy. "Comparative Study Of Nested Neutral Point Clamped Inverter In Single Phase And Three Phase", International Intellectual Convergence on Advances in Science and Engineering, 03-03-2017
9. S. B. Ron Carter, L. P. Sivakumar, K. Premkumar, **A. Selvaraj**, M. Vishnu Priya, "TZ- Source Inverter For The Speed Control Of Three Phase Induction Motor",

10. **A. Selvaraj**, S. B. Ron Carter” Design of non-solenoidal operation of starter motor”, Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, June 2020.

International Conferences

1. **Selvaraj, A.** and Paranjothi, S. R. “Single-phase neutral linked Vienna rectifier for the mitigation of voltage sag effect in ASD fed induction motor”, was presented and published in the proceedings of 2012, 1st International Conference on Advances in Computer, Electronics and Electrical Engineering (ICACEEE 2012), Mumbai.
2. Vanitha, R. and **Selvaraj, A.** “Analysis and implementation of Z-source series-parallel loaded resonant converter for PMDC Motor drive”, was presented and published in the proceedings of 2012, 1st International Conference in Magna on Emerging Engineering Trends, Chennai.
3. Julie Thomas, **Selvaraj A.** “Analysis of Front End Swiss Rectifier in Drive System during Voltage Sag “, 2014 IEEE International Conference on Innovations in Engineering and Technology (ICIET’14) On 21st & 22nd March Organized by K.L.N. College of Engineering, Madurai, Tamil Nadu, India.
4. Dr. A. Selvaraj, Abarajithan, “ARTIFICIAL INTELLIGENCE IN AGRICULTURAL ROBOT USING AVR SERIES MICROCONTROLLER”, 5th International Conference on Contemporary Engineering and Technology, 24-03-2017

Patent Filed

1. SHAIK MOHAMED ABRAR, S.P. POORNIMA, A. SELVARAJ,” MODIFIED CONSTRUCTION OF INDUCTION MOTOR”, applied for patent on 11 AUG 2010, application number 2297/CHE/2010.
2. P. VENKATARAMAN, A. SELVARAJ, “LOW COST SIDE STAND ALARM PROTECTION FOR TWO WHEELERS”, Applied for patent on 09 Mar 2012, application number 891/CHE/2012.
3. JAKITH DEVA PRIYAN J, DEEBAN BAU, KARTHIKEYAN. N, SELVARAJ. A, “OPTIMUM DESIGN FOR NON-SOLENOIDAL OPERATION OF STARTER MOTORS”, Applied for patent on 17/04/2014, application number No 2006/CHE/2014.
4. Patent Application No. 201941005373, Date of entry 11th February 2019, “ELECTRIC ENERGY GENERATION FROM WASTE WIND VELOCITY OF

HIGH RATING AIR CONDITIONERS”- Dr. A. Selvaraj, Dr. R. Essaki Raj, Mr. S. B. Ron Carter, Mrs. A. Alice Hepzibah and Mrs. J. AntoSheeba.