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PUBLICATIONS SUMMARY

S.no	Papers published in Referred (International/National)Journals	Papers presented in International & National Conferences	Book Chapters
1	11	9 & 15	2

GOOGLE SCHOLOR /SCOPUS ID /ORCID ID & CITATIONS-PUBLICATIONS

Google scholar Link https://scholar.google.com/citations?user=kkHXi1EAAAAJ

Citation indices	All	Since 2015
Citation	84	63
H-index	5	5
i10 index	3	2

LIST OF PUBLICATIONS:
BOOK CHAPTER:

Published a Book Chapter on topic "Permanent-Magnet Synchronous Machine Drives" book title "Applied Electromechanical Devices and Machines for Electric Mobility Solutions ISBN:978-1-78985-728-3" with IntechOpen,United Kingdom and published on September 06,2019. Edited by Adel El-Shahat, Georgia Southern University, USA

Published another Book Chapter on topic "Torque Ripple Reduction in DTC Induction Motor Drive" book title "Direct Torque Control Strategies of Electrical Machines ISBN 978-1-83880-296-7" with IntechOpen,United Kingdom and published on october 30,2020. Edited by Associate Prof. Fatma Ben Salem, University of Sfax, Sakiet Ezzite,Tunisia.

1. SCI / Web of Science / Scopus Journals

1. M. Venkatesan, **B. Adhavan,** K. Suresh, K. Balachander, M. Lordwin Cencil Prabakar, " Research on FPGA controlled three phase PV inverter using multi carrier PWM control schemes", Microprocessors and Microsystems, ISSN 0141-9331,Volume 76,2020,103089, pp.1-13. https://doi.org/10.1016/j.micpro.2020.103089.

2. **Adhavan, B** & Jagannathan, V 2014, 'Performance comparison of hysteresis pulse width modulation and space vector pulse width modulation techniques for torque ripple reduction in permanent magnet

synchronous motor using iterative learning control', Journal of Vibration and Control, ISSN:1077-5463, vol.20, no.5, pp.698-712. (Impact factor : 1.966)

3. **Adhavan, B** & Ravichandran, CS 2014, 'FPGA Implementation To Minimize Torque Ripples In Permanent Magnet Synchronous Motor Driven By Field Oriented Control Using Fuzzy Logic Controller' Journal of Theoretical and Applied Information Technology, ISSN:1992-8645, vol. 61, no.2, pp. 369-377.(Impact factor: 1.71)

4. **Adhavan, B** & Jagannathan, V 2013, 'Torque ripple minimization in Permanent Magnet Synchronous Motor (PMSM) using Neural Network' Advances in Modelling and Analysis C: Automatic Control, ISSN: 1240-4535, vol. 68, no.2, pp. 65-81. (Impact factor : 0.1)

5. **Adhavan, B**, Ravichandran, CS & Jagannathan, V 2013, 'Torque Ripple Reduction in Permanent Magnet Synchronous Motor using Fuzzy Logic Control' Australian Journal of Basic and Applied Sciences, ISSN: 1991-8178, Impact factor 2012: 0.329, vol. 7, no.7, pp. 61-68.

2. International / National Journals

6. **Adhavan, B** & Kena likassa 2017, 'Hybrid PI-Iterative learning Controller for Denigrating torque Ripple reduction in Permanent Magnet Synchronous Motor' Journal of the Ethiopian Society of Electrical Engineers,Vol.10,no.1,pp.17-21.

7. Nandhini,S ,**Adhavan,B,** 2014, 'Sensorless Fuzzy Logic Speed Control Of Brushless DC Motor Using Hysteresis Comparator' International Journal of Electrical and Computing Engineering, ISSN:2349-8218,vol. 1, no.2, pp. 1-4.

8. Birundha, MS, **Adhavan, B** & Jagannathan, V 2013, 'Torque Ripple Minimization in Permanent Magnet Synchronous Motor (PMSM) driven by Field Oriented Control using Fuzzy logic Control With Space Vector Modulation' Journal of Emerging Technologies, ISSN: 0973-2993, vol. 1, no.1, pp.78-85.

9. Jeyaprakash, K, **Adhavan, B** & Ravichandran, CS 2013, 'A Modified Iterative Learning Controller for Reducing Torque Pulsations in Field Oriented Control Driven Permanent Magnet Synchronous Motor', International Journal of Engineering Research and Development, ISSN: 2278-800X, vol.9, no.4, pp. 51-56.

10. Thanu, J, **Adhavan, B** & Ravichandran, CS 2013, 'Torque Ripple Minimization in Field Oriented Control in Permanent Magnet Synchronous Motor Drive', International Journal of Advanced Research in Electrical Electronics and Instrumentation Engineering, ISSN: 2320-3765, vol. 2, no.9, pp. 5585- 5595.

11. Subbalakshmi, N, **Adhavan, B** 2013, "Reduction of speed Pulsations in Permanent Magnet Synchronous Motor using SVPWM" AIIS journal of Advanced research in Electrical and Electronics Engineering (JAREEE),ISSN:2322-0864, vol. 1, no.1, pp. 39-42.

2. International Conferences:

1. Nandhini,S ,**Adhavan,B,** 2014, 'Sensorless Fuzzy Logic Speed Control Of Brushless Dc Motor Using Hysteresis Comparator' Proceedings of the International Conference ICREEC/ICMCA 2014,pp.40-44.

2. Ranjithkumar, S**, Adhavan, B** & Balaganesan.SM 2013, 'Performance Improvement Of Brushless DC

Motor With Improved Transient Response And Minimum Torque Ripple' Proceedings of second International Conference on Innovative Research in Engineering and Technology (iCIRET2013), Coimbatore,pp.1-5.

3. Birundha,MS & **Adhavan,B** 2013**, '**Torque Ripple Minimization in Permanent Magnet Synchronous Motor driven by Field Oriented Control using Fuzzy Logic Control with Space Vector Modulation' Proceedings of International conference on Global Challenges and Strategies in Engineering and Disaster Management (ICBDM-2013), Noorul Islam University,Kumarakoil,India,pp.212-218.

4. Subbalakshmi, N, **Adhavan, B**, Jagannathan, V & Ravichandran, C.S 2013, 'Reduction of transient and steady state speed pulsation in permanent magnet synchronous motor using Space Vector Pulse Width Modulation control' Proceedings of International Conference on Circuits, Power and Computing Technologies (ICCPCT), pp. 252-257.

5. Jayabaskaran, G, **Adhavan, B** & Jagannathan, V 2013, 'Torque Ripple Reduction in Permanent Magnet Synchronous Motor driven by Field Oriented Control using Iterative Learning Control with Space Vector Modulation' Proceedings of International Conference on Computing, Communication and Informatics (ICCCI), pp. 1-6.

6. Jayabaskaran, G & **Adhavan, B** 2012 'Torque Ripple Reduction in Field Oriented Control of Permanent Magnet Synchronous Motor using Iterative Learning Control' Proceedings of the International Conference on Computing, Communication and Applications(ICCCA),pp.113-119.

7. Jayabaskaran, G & **Adhavan, B** 2012 'Field Oriented Control of Permanent Magnet Synchronous Motor to Minimize Torque Pulsations using Iterative Learning Control' Proceedings of the International Conference on Renewable Energy Utlization,pp.638-644.
8. **Adhavan, B,** Kuppuswamy, A, Jayabaskaran, G & Jagannathan, V 2011, 'Field Oriented Control of Permanent Magnet Synchronous Motor(PMSM) Using Fuzzy-Logic Controller' Proceedings of International conference on Recent Advances in Intelligent Computational System (RAICS), pp. 587–592.
9. **Adhavan,B**, Deepthi,P & Jagannathan,V 2011, 'A Single Stage Electronic Ballast With Duty Ratio Controlled Current Fed Resonant Inverter'International conference on "Process Automation. Control and Computing" (PACC2011), pp.1-6.

3. National Conferences:

S.No	AUTHORS	TITLE OF PAPER	CONFERENCE NAME &Venue
1)	M.S.Birundha, & **B.Adhavan**	Torque Ripple Minimization in Permanent Magnet Synchronous Motor Driven by Field Oriented Control Using Fuzzy Logic Control	National Conference on Modern Technologies for Intelligent Grids'13 (NCMTIG' 2013), Sri Ramakrishna Engineering college, Coimbatore on 18th &19th April 2013.
2)	N.Subha Lakshmi, & **B.Adhavan**	Reduction of Speed Pulsations in Permanent Magnet Synchronous Motor Using SVPWM	National Conference on Modern Technologies for Intelligent Grids'13 (NCMTIG' 2013), Sri Ramakrishna Engineering college, Coimbatore on 18th &19th April 2013.
3)	S.Gowdham kumar & **B.Adhavan**	Torque ripple Minimization in BLDC motor by commutation time extension method	National conferences on Power Conversion & Industrial Drives, (PCID 2012*),* Bannari Amman Institute of Technology, Sathyamangalam, 9-10 February, 2012

4)	A. Kuppusamy & **B. Adhavan**	Field Oriented Control of Permanent Magnet Synchronous Motor	National conference on cutting edge technologies in power conversion and industrial drives, Bannari Amman Institute of Technology, Sathyamangalam on 16-17th March 2011.
5)	P.Jeevananthan &**B.Adhavan**	Torque Ripple Minimization of Permanent Magnet Synchronous Motor Using Neural Network	National conference on cutting edge technologies in power conversion and industrial drives, Bannari Amman Institute of Technology, Sathyamangalam on 16th -17th March 2011.
6)	P. Deepthi & **B.Adhavan**	A Dimmable Resonant Inverter Electronic ballast with Unity Power Factor	National Conference on Electrical and Instrumentation Systems(NCEIS 2011), organized by Department of Electrical Engineering ,Government College of Technology ,Coimbatore :641013, on 17th March 2011
7)	C.Ambika, **& B.Adhavan**	Field Oriented Control of Permanent Magnet Synchronous Motor Drive	National Conference on Electrical Sciences and Technology Innovations, Dr.Mahalingam College of Engineering and Technology, Pollachi-3, 12th – 13th April 2010.
8)	**B.Adhavan &** D.Gopalakrishnan	A Novel Current Predictor Timing Control to Minimize the Torque Ripple in BLDC Motor	National Conference on Advancement in Electrical Sciences (NCAES'10), SNS College of Technology, Coimbatore-35, February 11th 2010
9)	R.Karthik Kumar& **B.Adhavan**	Converter for photovoltaic generators with independent voltage control of each solar array	National Conference on "Advances in mechanical sciences", Kumaraguru College of Technology, Coimbatore. 26th and 27th March 2009.
10)	R.Velmurugan& **B.Adhavan**	Implementation of single phase matrix converter as a direct AC - AC converter with passive load condition using microcontroller	National Conference on "Advances in mechanical sciences", Kumaraguru College of Technology, Coimbatore. 26th and 27th March 2009.
11)	R.Sathya rekha, & **B.Adhavan**	Fuzzy Logic Average Current- Mode Control for DC-DC Converters	National Conference on Innovative Strategies on Power Systems and Power Electronic Drives (ISPSPED'07), Sona College of Technology, Salem, 16th March 2007

12)	A. Senthil Kumar & **B. Adhavan**	Design and Speed Control of Brushless DC Motor	National Conference on Cutting Edge Technologies in Power Conversion and Industrial Drives (PCID-2006), Bannari Amman Institute of Technology, Sathyamangalam, 24-25, March 2006.
13)	. S.Gowdham kumar, Merin antony & **B.Adhavan**	Improved Torque ripple method for Brushless DC motor	National Conference on Emerging Trends in Electronics, Instrumentation, Automation and Control(ETEIAC 2012), Karpagam College of Engineering, Coimbatore, 3rd march 2012.
14)	Merin antony ,S.Gowdham kumar & **B.Adhavan**	Performance Evaluation of Rotor Speed and Angular Position Control in Permanent Magnet Synchronous Motor without sensors.	National conferences on Power Conversion & Industrial Drives, *(*PCID 2012*),* Bannari Amman Institute of Technology, Sathyamangalam, 9-10 February, 2012
15)	**B.Adhavan**, G.Amuthan & Dr.K.Murugesh kumar	Design and Development of Linear Brushless Motor and It's Controller	Power Conversion and Industrial Control(PCIC -2004), NSS college of Engineering , Palakkad-8 Kerela july 10th to 12th 2004.