



**ARMY INSTITUTE OF TECHNOLOGY**  
Dighi Hills, Alandi Road, Pune 411 015  
**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**  
**R&D Data Academic Year 2018-19**



• **Publications (Journal): Academic Year (June 2018-May 2019)**

Sr No	Name of Authors	Title of Paper	Name of Journal	National/ International	ISSN No.	Vol/ Issue No.	Page No.	Date/ Year	Indexing Scopus/SCI/S CIE/WoS/UGC Approved/
1	Dr. B P Patil Deepali Newaskar, Kunal Sharma Tarun Baghmar Mahesh Ku. Rajput	Effect of number of turns and medium between coils on the Wireless Power Transfer efficiency on AIMD's	Biomedical Engineering: Applications, Basis and Communications (BME)	International	ISSN: 1016-2372 eISSN: 1793-7132	Vol. 31, Issue 02	1950 016- 1- 1950 016-6	Apr 2019	Scopus
2	Dr. Surekha KS Dr. B P Patil	Hybrid Technique For ECG Signal Compression Using Parallel And Cascade Method	International Journal Biomedical Engg. Appl , Basics & Communication,	International	1016 - 2372	Vol 31 No. 1	(8 Pages	20 Feb 2019	Scopus, ESCI
3	Dr. S D Oza	Fast Denoising Filter For MRI using Parallel Approach	International Journal - Indonesian Journal of Electrical Engg & Informatics	International	2089-3272	Vol 6	No 4 362- 372	Dec 2018	Scopus
4	Dr. Renuka Bhandari	Spectral Efficient Blind Channel Estimation Techniques for MIMO-OFDM Communications <a href="https://link.springer.com/article/10.1007/s11277-018-6077-7">https://link.springer.com/article/10.1007/s11277-018-6077-7</a>	Elsevier's Journal of Advanced Research in Dynamical and Control Systems	International	1943-023X	Vol 10	No. 12	2018	Scopus
		Novel Spectral Efficient Technique for MIMO-OFDM Channel Estimation With Reference to Paper and BER Analysis <a href="https://link.springer.com/article/10.1007/s11277-018-6077-7">https://link.springer.com/article/10.1007/s11277-018-6077-7</a>	Wireless Personal Communication  Springer Journal	International	1572-834X	Vol 104	1227 - 1242	2018	SCIE, Web of Science
		Insight on Blind Channel Estimation of MIMO- OSTBC using Higher Order Statistics with Kalman Filter (HOS-KF) <a href="http://helix.dnares.in/wp-content/uploads/2018/08/3431-3437.pdf">http://helix.dnares.in/wp-content/uploads/2018/08/3431-3437.pdf</a>	Helix the scientific explorer Journal,	International	2319 – 5592	Vol 8 Issue 4	3431- 3437	30 June 2018	Scopus



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		Spectral and Power Efficient Blind Channel Estimation Technique for MIMO-OFDM Communications <a href="http://www.jardcs.org/abstract.php?archiveid=5401">http://www.jardcs.org/abstract.php?archiveid=5401</a>	Elsevier's Journal of Advanced Research in Dynamical and Control Systems	International	1943-023X	Vol 10/8	Vol. 10, No. 8	2018	Scopus
		Spectral Efficient Blind Channel Estimation Technique for MIMO-OFDM Communications	International Journal of Advances in Applied Sciences	International	2252-8814	Vol. 7 Issue 3,	286- 297	2018	
5	Ms. Rajashree Suryawanshi B P Patil	Performance Evaluation on Large MIMO	Wireless Personal Communication  Springer Journal	International	0929-6212	104	821- 836	2018	SCIE, Web of Science
6	Ms. Manisha Nilkanth	American Sign Language Translator and Calling Device	International Journal - IIJEC	International	2321-5984	Vol 7, Issue 5	1-5	May 2019	Others



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• **Publications (Conference): Academic year (June 2018 - May 2019)**

Sr. No.	Name of Authors	Title of Paper	Name of Conference	Local Level/State Level/National/ International	ISBN	Page No.	Date/Year of Conference	Indexing If Any
1	Dr. B.P. Patil	Bit Error Rate Analysis of 16 X 16 MIMO-OFDM in Downlink transmission for LTE-A	IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT 2018) Held at Francis Xavier Engineering College, Tirunelveli, Tamil Nadu	International		82-87	13-14 Dec 2018	
2	Dr. S. D. Oza	Denosing System for MR Image using speckle Degradation Index	Int Conference on Communication & Electronics Systems ICCES 2018	International	ISBN: 978-1-5386-4765-3		Oct 2018	
3	Ms. S. Wadar	A Novel Approach to Perform Shift/ Rotate and Bit Permutation Operation	International Conference on New Trends in Engg. & Technology	International	NA	NA	7 & 8 Sep 2018	Scopus
4	Mr. Avinash Patil	Novel Technique of finding square of number to reduce the resources utilized on reconfigurable Hardware Logic	International Conference on New Trends in Engg. & Technology	International	NA	NA	7 & 8 Sep 2018	Scopus
5	Ms. Rajashree Suryawanshi B P Patil	Bit Error Rate Analysis of 16x16 MIMO-OFDM in Downlink Transmission for LTE-A	ICSSIT 2018 TN	International Conference	978-1-5386-5873-4	82-87	13 & 14 Dec 2018	Scopus
6	Ms. Snehal Marathe B P Patil	Methods For Improving the Solar Panel Efficiency: A Reviews.	International Conference on Electrical, Communication, Electronics Instrumentation and Computing	International Conference	978-1-7281-0173-6	65	30th & 31st January 2019	--



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- **Book published: Academic Year (June 2018-May 2019)**

Sr. No.	Name of Authors	Title	ISBN	Local/National/International	Publisher Details	Edition	Date/Year
1	Dr. Surekha KS	Digital Signal Processing	ISBN 978-93-88293-28-0	National	Nirali Prakashan	First	2018