

**Madanapalle Institute of Technology and Science  
(UGC Autonomous)  
Department of Electronics & Communication Engineering**

Faculty Journal Publications, Academic Year 2017-2018

S. No.	Name(s) of Author(s)	Title of the Paper	Name of the Journal/Conference/ Book	Vol. No/ Issue No. /Page. No/ Month/ Year	DOI/ISSN	Publisher /Indexing	Impact Factor	Citation
1	R. Sitharthan, K. R. Devabalaji , A. Jees	An Levenberg–Marquardt trained feed-forward back-propagation based intelligent pitch angle controller for wind generation system	Renewable Energy Focus	22/ 23/24-32/ 2017	DOI: 10.1016/j.ref.2017.10.003/ ISSN: 17550084	Elsevier/ SCIE	4	--
2	J. N. Swaminathan, P. Kumar,	Design of Efficient Power Amplifier Models Using 16-QAM	Wireless Personal Communications	95/3/3003-3012/2017	DOI: 10.1007/s11277-017-3981-1 / ISSN: 0929-6212	Springer/S CIE	1.2	--
3	Rajesh Bera, Durbadal Mandal, Rajib Kar, Sakti P. Ghoshal,	Low side-lobe beam-pattern synthesis: Thinning of a large concentric Circular Antenna Array using Wavelet Mutation Based Seeker Optimization Algorithm	Microwave Review	24/ 1/8-17/July 2018	ISSN: 14505835	UGC	--	--
4	Lakshmi Prasad, E., Reddy, A.R., Giri Prasad, M.N.	DVCR: Diagonal virtual channel NoC Router architecture for multiprocessors	Journal of Engineering and Applied Sciences	13/10/3562-3566,	DOI:10.3923/jeasci.2018.3562.3566 / ISSN: 1818-7803	Medwell/ Scopus	1.3	--
5	Amsaveni, A, Bharathi, M., Swaminathan, J.N.	Design and performance analysis of low SAR hexagonal slot antenna using cotton substrate	Microsystem Technologies	1/ 1/1–6/2018	DOI: 10.1007/s00542-018-4109-6 / ISSN: 0946-7076	Springer / SCI	1.581	--
6	Karthikeyan, M. ,Saraswady, D.	Low complexity layered tabu search detection in large MIMO systems	AEU - International Journal of Electronics and Communications	83/1/106-113/ 2018	DOI:/10.1016/j.aeue.2017.08.042 ISSN: 1434-8411	Elsevier/S CIE	2.115	2

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7	Kavitha, A , Swaminathan, J.N. , Ashok Kumar, N	Design of compression sensor by ZnO substrate using precipitation method	International Journal of Engineering and Technology	7/ 2/8-10/ Year 2018	DOI: 10.14419/ijet.v7i2 .24.11988 ISSN: 2227-524X	Science publishing corporation	-	--
8	Kavitha, A, Ashok Kumar, N. , Swaminathan, J.N.	Wireless ECG monitoring system using smart phone via Wi-Fi	Journal of Advanced Research in Dynamical and Control Systems	10/2/1196- 1201/ Year 2019	DOI:/10.1016/j.pr oeng.2013.09.077	Elsevier/ SCIE	-	--
9	Prathap, K.S.V. , Jilani, S.A.K, Reddy, P.R	A real-time image mosaicing using onboard computer	Advances in Intelligent Systems and Computing	66/ 8/.359- 367/ Year 2019	DOI:/10.1007/978 -981-10-7868-235	Springer, Singapore	-	--
10	S. Kale and P. N. Kondekar	Charge Plasma Based Source/Drain Engineered Schottky Barrier MOSFET: Ambipolar Suppression and Improvement of the RF Performance	Elsevier, Superlattices and Microstructures	113/ 1/799- 809/ Year 2017	DOI:/10.1016/j.sp mi.2017.12.022 ISSN- 0749-6036	Elsevier, Superlattices and Microstructures/SCI	2.1	--
11	R Sitharthan, CK Sundarabalan, KR Devabalaji, Sathees Kumar Nataraj, M. Karthikeyan	Improved fault ride through capability of DFIG-wind turbines using customized dynamic voltage restorer	Sustainable Cities and Society	39/ 114-125/ May 2018	DOI: 10.1016/ j.scs.2018.02.008 ISSN:2210-6707	Elsevier	3.16	8
12	S. Ayesha Tanveer, S.A.K Jilani	Non-Stationary Noise Environments	International Journal of Engineering and Techniques	3/1/ 488- 494/Year 2017	DOI: 10.29126/239513 0/ ISSN: 2395- 1303	IJET /UGC Approved	--	--
13	S.K. Harikarthik, P. Ramanathan and V. Palanisamy	Enhancement of regression testing using genetic data generation and test case prioritization using m-ACO techniq	International Journal of Engineering & Technology	7 /1/ 95- 99/2018	DOI: 10.14419/ije t.v7i1.3.966/ ISSN: 2227-524X	Science Publishing Corporatio n/ Scopus	--	--
14	AyanKarmakar, Bappaditya Roy and Anup Kumar Bhattacharjee	MEMS based monolithic Phased array using 3-bit Switched-line Phase Shifter	Advanced Electromagnetics	Vol. 6, ,No. 4,pp.27- 35,Oct 2017	DOI <a href="https://doi.org/10.7716/aem.v6i4.520">https://doi.org/10.7716/aem.v6i4.520</a>	Scopus	3.6	1

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15	P. Upadhyay, R. Kar, D. Mandal, S. P. Ghoshal	A 12T MT-CMOS Low Power and Low Leakage SRAM cell	International Journal of Computer Aided Engineering and Technology	Vol. 9, No. 3, pp. 307-323, July, 2017	<a href="https://doi.org/10.1504/IJCAET.2017.084901">https://doi.org/10.1504/IJCAET.2017.084901</a> ISSN-1757-2657	Inderscience/ Scopus	--	--
16	Lucky Agarwal, B. K. Singh, ShwetaTripathi and P.Chakrabati	Fabrication and Characterization of Thin-film Heterojunction Diodes for Smart Systems	In Emerging Devices and Smart Systems (ICEDSS)	26, 180-183, oct, 2017	<a href="https://doi.org/10.1109/ICEDSS.2017.8073678">https://doi.org/10.1109/ICEDSS.2017.8073678</a> / 978-1-5090-5555-5	IEEE/ SCI	--	--
17	Lucky Agarwal, B.N. Naik., and ShwetaTripathi	Highly Reflective Er doped ZnO thin film coating for application in UV Optical Ring Resonator	Nanotechnology	28, 465707-15,oct, 2017	<a href="https://doi.org/10.1088/1361-6528/aa8ec0/meta/1361-6528">https://doi.org/10.1088/1361-6528/aa8ec0/meta/1361-6528</a>	IOP/ SCI	3.5	3
18	Brijesh Singh, Lucky Agarwal, and Shweta Tripathi.	Fabrication and Characterization of Cu Doped ZnO/Bi Doped ZnO Nanolaminates as Mirror for Application in Optical Devices	IEEE Transactions on Nanotechnology	17, 203-8, jan,2017	<a href="https://doi.org/10.1109/TNANO.2017.2649546">https://doi.org/10.1109/TNANO.2017.2649546</a> / 1941-0085	IEEE/ SCI	1.7	4
19	Lucky Agarwal, ShwetaTripathi and P.Chakrabati	Analysis of Structural, Optical and electrical properties of Metal /p-ZnO based Schottky Diode	Journal of semiconductors	38, 36-43, oct,2017	<a href="https://doi.org/10.1088/1674-4926/38/10/104002/1674-4926">https://doi.org/10.1088/1674-4926/38/10/104002/1674-4926</a>	IOP/ SCI	0.5	--
20	P Kumar and B. Bhowmick	Suppression of Ambipolar Conduction and Investigation of RF Performance Characteristics of Gate Drain Underlap SiGe Schottky Barrier Field Effect Transistor	Micro & Nano Letters	13/1/626 - 630	10. P Kumar and B. Bhowmick 1049/mnl.2017.0895	IEEE	1.7	--
21	P Kumar and B. Bhowmick	A physicsbased threshold voltage model for heterodielectric dual material gate Schottky barrier MOSFET	IJNM	13/5/1-11	<a href="https://doi.org/10.1002/jnm.2320">doi.org/10.1002/jnm.2320</a>	Wiley Online Library	0.622	--
22	Prashanth Kumar, WasimArif, Brinda Bhowmick	Scaling of Dopant Segregation Schottky Barrier Using Metal Strip Buried Oxide MOSFET and its Comparison with Conventional Device	Silicon	10/3/811-820	10.1007/978-3-319-534-5	Springer	0.704	--
23	Vishvakarma S.K., Vijayvargiya V. B. Ankur and T.Priyal	Analysis of DC and ana-log/RF performance on Cyl-GAA-TFET using distinct device geometry	Journal of semiconductor	Vol.38, no.1, pp.1-10, Sep 2017	<a href="https://doi.org/10.1088/1674-4926/38/7/074003">https://doi.org/10.1088/1674-4926/38/7/074003</a>	IOP/SCI	1.1	5

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24	B. K. Singh and Shweta Tripathi	p-n Homojunction based on Bi-Doped p-Type ZnO and Undoped n-Type ZnO for Optoelectronic Application.	Journal of Luminescence	198, 427-432, June 2018	<a href="https://doi.org/10.1016/j.jlumin.2018.02.072">https://doi.org/10.1016/j.jlumin.2018.02.072</a> / 0022-2313	Elsevier	2.686	5
25	B. K. Singh and Shweta Tripathi	."Optical and Electrical Characterization of Stable p-type ZnO thin films obtained by Bismuth Doping." (	Journal of Nanoscience and Nanotechnology	18, no. 6 4160-4166, June (2018)	<a href="https://doi.org/10.1166/jnn.2018.15258">https://doi.org/10.1166/jnn.2018.15258</a> / 1533-4880	American Scientific Publishers	1.483	--
26	R. Shankar, Ritesh Kumar Mishra	An Investigation of S-DF cooperative communication protocol over keyhole fading channel	Physical Communication	vol. 29, pp. 120-140, Aug. 2018	doi: 10.1016/j.phycom.2018.04.027	ELSEVIER /SCI	1.50	02
27	Vikash Sachan, Ravi Shankar, Indrajeet Kumar, Ritesh Kumar Mishra	An investigation of wireless S-DF hybrid terrestrial satellite relaying network over time selective fading channel	Traitement du Signal	VOL 35/2, pp.103-120	doi: 10.3166 / ts.35.103-120, Dec. 2018	Lavoisier /SCIE	0.20	-
28	Vikash Sachan, Ravi Shankar, Indrajeet Kumar, Ritesh Kumar Mishra	Analysis of transmitted antenna selection based selective decode forward cooperative communication protocol	Traitement du Signal	VOL 35/1, pp.47-60	doi: 10.3166 / ts.35.47-60, Dec. 2018	Lavoisier/S CIE	0.20	00
29	Ravi Shankar, Vikash Sachan, Kumar Gaurav, R K Mishra	An Investigation of Two Phase Multi-Relay S-DF Cooperative Wireless Network Over Time-Variant Fading Channels With Incorrect CSI	Elsevier Procedia Computer Science	vol. 125, pp. 871-879, Dec. 2018	<a href="https://doi.org/10.1016/j.procs.2017.12.111">https://doi.org/10.1016/j.procs.2017.12.111</a>	Elsevier/S COPUS	--	--
30	Chandramauleswar Roy and Aminul Islam	Power-aware source feedback single-ended 7T SRAM cell at nanoscale regime	Microsystem Technologies	DOI: 10.1007/s00542-017-3570-y,	0946-7076	SCI	1.58	1
31	Sumit Kale and Pravin N. Kondekar	Design and Investigation of Dielectric Engineered Dopant Segregated Schottky Barrier MOSFET With NiSi Source/Drain	IEEE Transactions on Electron Devices	64/11/ 4400-4407/Nov. 2017	10.1109/TED.2017.2754881/ Print ISSN: 0018-9383 Electronic ISSN: 1557-9646	SCI	2.62	3

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32	Rupesh Kumar, Sumana Gupta, K.S. Venkatesh	Video stabilization using regularity of energy flow	SIVP	11/8/ 1519-1526		Springer/S CI	1.643	2
33	Sunandita Debnath, A. Hossain and S. M. Chowdhury	Comment on “Impact of Interference on Coverage in Wireless Sensor Networks”	Wireless Personal Communications	Vol. No. 97/Issue No. 1/Page. No. 1071–1073/ November/ 2017	10.1007/s11277-017-4552-1/1572-834X	Springer/S CI	1.200	--
34	Sunandita Debnath, A. Hossain, S. M. Chowdhury and A. K. Singh	Effective Sensing Radius (ESR) and Performance Analysis of Static and Mobile Sensor Networks	Telecommunicati on Systems	Vol. No. 68/ Issue No.1, pp.115–127	10.1007/s11235-017-0379-z/ 1572-9451	Springer/S CI	1.527	1
35	Gaurav Varshney, Shailza Gotra, VS Pandey, RS Yaduvanshi	Inverted-Sigmoid Shaped Multiband Dielectric Resonator Antenna With Dual-Band Circular Polarization	IEEE Transactions on Antennas and Propagation	Vol. No. 66 Issue No. 4 Page No. 2067-2072 Month/Year April/2018	<u>10.1109/TAP.2018.2800799</u> ISSN: 1558-2221	IEEE/SCI	4.13	6
36	Gaurav Varshney, VS Pandey, RS Yaduvanshi	Axial ratio bandwidth enhancement of a circularly polarized rectangular dielectric resonator antenna	IJMWT, Cambridge University Press	Vol. No. 10 Issue No. 8 Page No. 984-990 Month/Year July/2018	<u>10.1017/S1759078718000764</u> ISSN: 1759-0787	Cambridge University Press/SCI	0.746	2
37	Dr.B.Gopinath& Dr.R.Santhi	A Benign and Malignant Pattern Identification in Cytopathological Images of Thyroid Nodules using Gabor Filter and Neural Networks	Asian Journal for Convergence in Technology	IV/I/1-6/4/2018	2350-1146	Asian society for scientific research	--	--
38	Sankalita Biswas, Sanjay Dhar Roy, Aniruddha handra	Cross-layer energy model for beacon-enabled 802.15.4 networks	Journal of Ambient Intelligence and Humanized Computing	Vol. No- 10 Issue No-53 June, 2018	DOI:10.1007/s12652-018-0923-z	Publisher-Springer Indexing-SCI	1.423	--

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