

## List of Journal Publications by ECE Faculty

Session (July, 2014-June, 2015)

S No.	Name of Author(s)	Title of Paper	Name of the Journal	Volume No. / Issue No./ Page numbers/ ISSN	Month, Year of Publication	National/ International	DOI	Indexing	Citations
1	Vijender Singh, Dr. Sandeep Singh Gill	Signal Strength Estimation of Wireless Communication System	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	Vol. 3, Issue 8, pp. 2612-2617, ISSN: 2278-1323	August, 2014	International	ijarcet.org/wp-content/.../IJARCET-VOL-3-ISSUE-8-2612-2617.pdf	Scribd, Google scholar, Slideshare, citeulike, index copernoius, open access journals..	0
2	Cheena Jain and Sandeep Singh Gill	Carbon Nano Tube Field Effect Transistor Based 4-Bit Full Adder Cell	British Journal of Applied Science & Technology	Vol. 4 Issue 25, pp. 3678-3686	September, 2014	International	<a href="http://www.sciencedomain.org/download.php?f=Jain4252014BJAST10586_1.pdf&amp;type=a&amp;aid=5193">http://www.sciencedomain.org/download.php?f=Jain4252014BJAST10586_1.pdf&amp;type=a&amp;aid=5193</a> .	Cross ref, ISI Web of Science	0
3	Ravinder Singh, Sandeep Singh, Ramandeep Singh	Multiple Circuit Partitioning Implementation Using Primal Dual Approach	International Journal of Modern Communication Technology & Research (IJMCTR)	Vol. 2, Issue 10, pp. 14-16, ISSN:2321-0850	October, 2014	International	<a href="https://www.erpublication.org/admin/vol_issue2/.../IJMCTR022009.pdf">https://www.erpublication.org/admin/vol_issue2/.../IJMCTR022009.pdf</a>	<a href="http://www.erpublication.org/IJMCTR/Indexing.htm">http://www.erpublication.org/IJMCTR/Indexing.htm</a>	0
4	Kiranpreet Singh, Sandeep Singh, Ramandeep Singh	Hybrid Technique Based VLSI Design Automation	International Journal of Modern Communication Technology & Research (IJMCTR)	Vol. 2, Issue 10, pp. 11-13, ISSN: 2321-0850	October, 2014	International	<a href="https://www.erpublication.org/admin/vol_issue2/.../IJMCTR022008.pdf">https://www.erpublication.org/admin/vol_issue2/.../IJMCTR022008.pdf</a>	<a href="http://www.erpublication.org/IJMCTR/Indexing.htm">http://www.erpublication.org/IJMCTR/Indexing.htm</a>	0

5	Simranjeet Singh Puaar, <b>Sandeep Singh Gill</b>	Power Evaluation of Adiabatic Logic Circuits in 45nm Technology	International Journal of Electronics and Communication Engineering & Technology (IJECET)	Vol. 5, Issue 12, pp. 230-237, ISSN: 0976 – 6464	December, 2014	International	<a href="http://www.iaeme.com/MasterAdmin/UploadFolder/POWER%20EVALUATION%20OF%20ADIABATIC%20LOGIC%20CIRCUITS%20IN%2045NM%20TECHNOLOGY/POWER%20EVALUATION%20OF%20ADIABATIC%20LOGIC%20CIRCUITS%20IN%2045NM%20TECHNOLOGY.pdf">http://www.iaeme.com/MasterAdmin/UploadFolder/POWER%20EVALUATION%20OF%20ADIABATIC%20LOGIC%20CIRCUITS%20IN%2045NM%20TECHNOLOGY/POWER%20EVALUATION%20OF%20ADIABATIC%20LOGIC%20CIRCUITS%20IN%2045NM%20TECHNOLOGY.pdf</a>	ICI, <a href="http://www.iaeme.com/ijecet/IJECE_T_ai.asp">http://www.iaeme.com/ijecet/IJECE_T_ai.asp</a>	0
6	Deepak Kapila and <b>Sandeep Singh Gill</b>	A Hybrid Approach for Scheduling in WIMAX for Reduction of Process Waiting Time	International Journal of innovation and Applied Studies	Vol. 9, No. 4, pp. 1620-1625, ISSN: 2028 – 9324	December, 2014	International	<a href="http://www.issr-journals.org/links/papers.php?journal=ijias&amp;application=pdf&amp;article=IJIAS-14-272-17">http://www.issr-journals.org/links/papers.php?journal=ijias&amp;application=pdf&amp;article=IJIAS-14-272-17</a> .	<a href="http://www.ijias.issr-journals.org/indexing.php">http://www.ijias.issr-journals.org/indexing.php</a>	1
7	Surekha Rani, <b>Balwinder Singh Dhaliwal, Sandeep Singh Gill</b>	Differential Evolution Biogeography Based Optimization for Linear Phase Fir Low Pass Filter Design	Chemical and Process Engineering Research	Vol.31, ISSN: 2224-7467	March, 2015	International	<a href="http://www.iiste.org/Journals/index.php/CPER/article/view/20354">http://www.iiste.org/Journals/index.php/CPER/article/view/20354</a> .	<a href="http://iiste.org/Journals/index.php/CPER">http://iiste.org/Journals/index.php/CPER</a>	0
8	Amritansh Saini, <b>Sandeep Singh Gill, Ramandeep Singh</b>	Design and Comparative analysis of Thin Film Transistor	International Journal of Enhanced Research in Science Technology & Engineering	Vol. 4, Issue 4, pp. 55-61, ISSN: 2319–7463	April, 2015	International	<a href="http://www.erpublications.com/uploaded_files/download/download_10_04_2015_17_23_11.pdf">http://www.erpublications.com/uploaded_files/download/download_10_04_2015_17_23_11.pdf</a>	<a href="http://www.erpublications.com/indexing.php">http://www.erpublications.com/indexing.php</a>	0

9	Gurinder Singh, <b>Ameeta Seehra</b> , Sukhbir Singh	Investigation on order and width of RZ super Gaussian pulse in different WDM systems at 40 Gb/s using dispersion compensating fibers	Optik - International Journal for light and Electron Optics (Elsevier)	Vol. 125, Issue 16, pp. 4270-4273, ISSN: 347-5162	August, 2014	International	doi:10.1016/j.ijleo.2014.04.010	<a href="https://www.elsevier.com/journals/optik/0030-4026/abstracting-indexing-(WOS,Scopus,SCI)">https://www.elsevier.com/journals/optik/0030-4026/abstracting-indexing (WOS, Scopus, SCI)</a>	3
10	Rashmi, <b>Ameeta Seehra</b>	Detection and Prevention of Black-Hole Attack in MANETS	International Journal of Computer Science Trends and Technology (IJCST)	Vol. 2, Issue 4, pp.204-209, ISSN: 2347-8578	August, 2014	International	<a href="http://www.ijcstjournal.org/volume-2/issue-4/IJCST-V2I4P37.pdf">www.ijcstjournal.org/volume-2/issue-4/IJCST-V2I4P37.pdf</a>	<a href="http://www.ijcstjournal.org/volume-2/issue-4/IJCST-V2I4P37.pdf">http://www.ijcstjournal.org/volume-2/issue-4/IJCST-V2I4P37.pdf</a>	4
11	Harpreet Kaur and <b>Ameeta Seehra</b>	Performance Evaluation of Energy efficient Clustering Protocol for Cluster Head Selection in Wireless Sensor Networks	International Journal of Peer to Peer Networks (IJP2P)	Vol. 5, No. 3, pp. 1-13	August, 2014	International	doi:10.5121/ijp2p.2014.5301	<a href="http://www.ijcstjournal.org/indexing.html">http://www.ijcstjournal.org/indexing.html</a>	5
12	Rashmi, <b>Ameeta Seehra</b>	A Novel Approach for Preventing Black- Hole Attack in MANETS	International Journal of Ambient Systems and Applications (IJASA)	Vol. 2, No. 3, pp. 1-9	September, 2014	International	<a href="http://airccse.org/journal/ijasa/papers/2314asa01.pdf">http://airccse.org/journal/ijasa/papers/2314asa01.pdf</a> .	<a href="http://airccse.org/journal/ijasa/indexing.html">http://airccse.org/journal/ijasa/indexing.html</a>	0
13	Harpreet Kaur and <b>Ameeta Seehra</b>	Performance Evaluation of Cluster Head Selection using ANFIS	International Journal of Current Engineering and Technology	Vol. 4, No. 6, pp. 3871-3875, ISSN: 347-5161	December, 2014	International	<a href="http://inpressco.com/wp-content/uploads/2014/11/Paper163871-3875.pdf">http://inpressco.com/wp-content/uploads/2014/11/Paper163871-3875.pdf</a> .	<a href="http://airccse.org/journal/ijasa/indexing.html">http://airccse.org/journal/ijasa/indexing.html</a>	0

14	Anita Yadav, <b>Ameeta Seehra</b>	Mobile Channel Estimation Using M-SMFTF Adaptive Algorithm	International Journal of Electrical, Electronics and Data Communication	Vol. 3, Issue 1, pp. 50-53, ISSN: 2320-2084	January, 2015	International	<a href="http://iraj.in/up_proc/pdf/120-141991616330-33.pdf">http://iraj.in/up_proc/pdf/120-141991616330-33.pdf</a> .	<a href="http://iraj.in/journal/IJEEDC/aboutus.php">http://iraj.in/journal/IJEEDC/aboutus.php</a>	0
15	<b>Balwinder S. Dhaliwal,</b> Shyam S. Pattnaik	Performance comparison of bio-inspired optimization algorithms for Sierpinski gasket fractal antenna design	Neural Computing and Applications (Springer)	ISSN:0941-0643	March, 2015	International	doi:10.1007/s00521-015-1879-y	Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS.	2
16	Parampal Singh and <b>Balwinder Singh Dhaliwal</b>	An Efficient Hybrid SIMBO-GA Approach to Design FIR Low Pass Filter	Journal of Information Engineering and Applications	Vol.5, No.2, pp. 43 – 49, ISSN 2224-5782	2015	International	<a href="http://www.iiste.org/Journals/index.php/JIEA/article/view/20342">http://www.iiste.org/Journals/index.php/JIEA/article/view/20342</a> .	<a href="http://iiste.org/Journals/index.php/JIEA">http://iiste.org/Journals/index.php/JIEA</a>	0
17	Harjot Kaur Gill, <b>Balwinder Singh Dhaliwal,</b> <b>Kuldeepak Singh</b>	Performance Analysis of OFDM FSO System using ODSB, OSSB and OVSF Modulation Scheme by Employing Spatial Diversity	International Journal of Engineering Development and Research	Vol. 3, Issue 2, pp. 1384 – 1389, ISSN: 2321-9939	2015	International	<a href="https://www.ijedr.org/papers/IJEDR1502226.pdf">https://www.ijedr.org/papers/IJEDR1502226.pdf</a> .	<a href="http://www.ijedr.org/indexing.php">http://www.ijedr.org/indexing.php</a>	0
18	Mukta Sharma, <b>Balwinder Singh Dhaliwal</b>	Design of Rectangular Microstrip Patch Antenna using Self-adaptive Bacterial	International Journal of Current Engineering and Scientific Research (IJCESR)	Vol. 2, No. 6, 2015, pp. 50-55	June, 2015	International	<a href="http://troindia.in/journal/ijcesr/vol2iss6/50-55.pdf">http://troindia.in/journal/ijcesr/vol2iss6/50-55.pdf</a>	<a href="http://troindia.in/journal/ijcesr/Vol2_Iss6.html">http://troindia.in/journal/ijcesr/Vol2_Iss6.html</a>	0

		Foraging Optimization							
19	Urvinder Singh, <b>Munish Rattan</b>	Design of Linear and Circular Antenna Arrays Using Cuckoo Optimization Algorithm	Progress In Electromagnetics Research C	Vol. 46, pp. 1-11, ISSN: 1937-8718	2014	International	doi:10.2528/PIERC13110902	Elsevier's SCOPUS and Compendex	13
20	Urvinder Singh, <b>Munish Rattan</b>	Design of thinned concentric circular antenna arrays using firefly Algorithm	Microwaves, Antennas & Propagation, IET	Vol. 8, Issue 12, pp.894-900, ISSN: 1751-8725	September, 2014	International	doi:10.1049/iet-map.2013.0695	(SCI, SCOPUS, SCIE, WOS) <a href="http://webcache.googleusercontent.com/search?q=cache:oJOBKkKiwgAJ:digital-library.theiet.org/files/Journal_Indexing.pdf+&amp;cd=1&amp;hl=en&amp;ct=clnk&amp;gl=in">http://webcache.googleusercontent.com/search?q=cache:oJOBKkKiwgAJ:digital-library.theiet.org/files/Journal_Indexing.pdf+&amp;cd=1&amp;hl=en&amp;ct=clnk&amp;gl=in</a>	4
21	<b>Harminder Kaur</b>	Energy Saving Routing Protocol With Power Consumption Optimization In MANET	International Journal Of Research In Computer Application And Management	Volume No. 5 Issue no. 04, ISSN 2231-1009	April, 2015	International	---	<a href="http://ijrcm.org.in/">http://ijrcm.org.in/</a>	0
22	Harjit Singh, <b>Chahat Jain</b>	Design Synthesis of Fractal Antenna on Mushroom Type AMC in the Vicinity of 2.4 GHz	International Journal of Advances in Engineering Science and Technology (IJAEST)	Vol. 3, No. 3, pp. 172-179, ISSN:2319-1120	December, 2014	International	<a href="http://www.sestindia.org/wp-content/uploads/2014/12/Volume-3Number-3PP-172-179x.pdf">http://www.sestindia.org/wp-content/uploads/2014/12/Volume-3Number-3PP-172-179x.pdf</a> .	<a href="http://www.ijaestonline.com/">http://www.ijaestonline.com/</a>	0

23	Rajandeep Singh, <b>Chahat Jain</b>	A Spirally Slotted Microstrip Antenna with Improved Bandwidth for Lower C Band Applications	International Journal of Advances in Engineering Science and Technology (IJAEST)	Vol. 3, No. 3, pp. 180-186, ISSN:2319-1120	December, 2014	International	<a href="http://www.sestindia.org/wp-content/uploads/2014/12/Volume-3Number-3PP-180-186x.pdf">http://www.sestindia.org/wp-content/uploads/2014/12/Volume-3Number-3PP-180-186x.pdf</a>	<a href="http://www.ijaestonline.com/">http://www.ijaestonline.com/</a>	1
24	Sandeep Kaur, <b>Simranjit Kaur</b>	CPW Fed Circular Truncated Patch Antenna for Modern Wireless Communication System	International Journal of Science, Technology & Management	Vol. 3, Issue 12, pp. 109-113, ISSN: 2394-1437	December, 2014	International	<a href="http://www.ijstm.com/images/short_pdf/1419100418_P109-113.pdf">http://www.ijstm.com/images/short_pdf/1419100418_P109-113.pdf</a>	<a href="http://www.ijstm.com/">http://www.ijstm.com/</a>	0

**Session (July, 2015-June, 2016)**

S No.	Name of Author(s)	Title of Paper	Name of the Journal	Volume No. / Issue No./ Page numbers/ ISSN	Month, Year of Publication	National/ International	DOI	Indexing	Citations
1	Jugminder Kaur, <b>Sandeep S. Gill, and Balwinder Singh Dhaliwal</b>	Secure Trust Based Key Management Routing Framework for Wireless Sensor Networks	Journal of Engineering (Hindawi)	Vol. 2016, pp. 1 – 9. ISSN: 2314-4904	February, 2016	International	<a href="http://dx.doi.org/10.1155/2016/2089714">http://dx.doi.org/10.1155/2016/2089714</a>	Scopus <a href="https://www.hindawi.com/journals/je/ai/">https://www.hindawi.com/journals/je/ai/</a>	3
2	<b>Sandeep Singh Gill, Jaidev Kausik, Navneet Kaur</b>	Performance Analysis of 20 nm Pentagonal and Trapezoidal Nanowire Transistor with Si and Ge	International Journal of Circuits and Electronics	Vol. 1, pp. 174-184, ISSN: 2367-8879	March, 2016	International	<a href="http://www.iaras.org/iaras/filedownloads/ijce/2016/004-0025.pdf">http://www.iaras.org/iaras/filedownloads/ijce/2016/004-0025.pdf</a>	ELSEVIER®, <a href="http://www.iaras.org/iaras/journals/ijce">http://www.iaras.org/iaras/journals/ijce</a>	0

		Channel							
3	Parneet Kaur, <b>Ameeta Seehra</b>	Lifetime Improvement of DEEC and DDEEC Protocol using Sleep Awake Mechanism in Wireless Sensor Networks	International Journal of Engineering Development and Research (IJEDR)	Vol. 3, Issue 4, pp. 1087-1090, ISSN: 2321-9939	December, 2015	International	file:///C:/Users/office%20ece/Downloads/IJEDR1504187.pdf	<a href="https://www.ijedr.org/viewfull.php?&amp;p_id=IJEDR1504187">https://www.ijedr.org/viewfull.php?&amp;p_id=IJEDR1504187</a>	0
4	Ritu, <b>Ameeta Seehra</b>	Optimized Cooperative Spectrum Sensing in Cognitive Radio Networks Based on Dynamic Threshold Energy Detector	International Journal of Engineering Development and Research (IJEDR)	Vol. 4, Issue 1, pp. 17-20, ISSN: 2321-9939	January, 2016	International	file:///C:/Users/office%20ece/Downloads/IJEDR1601004%20(1).pdf	<a href="https://www.ijedr.org/viewfull.php?&amp;p_id=IJEDR1601004">https://www.ijedr.org/viewfull.php?&amp;p_id=IJEDR1601004</a>	0
5	Gurveer Kaur, Amandeep Kaur, Gurpreet Kaur Toor, <b>Balwinder Singh Dhaliwal</b> and Shyam Sundar Pattnaik	Antennas for Biomedical Applications	Biomedical Engineering Letters (Springer)	Vol. 5, No. 3, pp. 203 – 212	September, 2015	International	10.1007/s13534-015-0193-z	SCOPUS, Google Scholar, EI-Compendex, OCLC, SCImago, Summon by ProQuest	0

6	Harleen Kaur and <b>Balwinder Singh Dhaliwal</b>	Experimental Simulative Analysis Feed Point of Rectangular U Slot Microstrip Patch Antenna	International Journal of Computer Applications	Vol. 129, No. 11, pp. 10 – 15	November, 2015	International	doi: 10.5120/ijca2015906933	EBSCO, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS, CiteSeer, UlrichWeb, Scientific Commons (Univ. of St Gallens), University of Karlsruhe, Germany, PennState University	0
7	Aysha Sharma and <b>Balwinder Singh Dhaliwal</b>	Digital Filter Design using Soft Computing Approaches	Research Cell : An International Journal of Engineering Sciences	Vol. 17, No. 1, pp. 255 – 262.	January, 2016,	International	<a href="http://ijoes.vidyapublications.com/paper/Vol17/36-Vol17.pdf">http://ijoes.vidyapublications.com/paper/Vol17/36-Vol17.pdf</a>	<a href="http://ijoes.vidyapublications.com/">http://ijoes.vidyapublications.com/</a>	0
8	Harleen Kaur and <b>Balwinder Singh Dhaliwal</b>	Numerical Analysis of Slot Position of Rectangular U Slot Microstrip Patch Antenna	International Journal of Wireless and Microwave Technologies	vol. 6, no. 3, pp. 29-39	May, 2016.	International	DOI: 10.5815/ijwmt.2016.03.04	Google Scholar, Microsoft Academic Search, DOAJ, Open Access Articles, CNKI, Scirus, GetInfo, WordCat, OneSearch, ZB MED, CrossRef etc..	0
9	<b>Balwinder S. Dhaliwal</b> and Shyam S. Pattnaik	BFO-ANN Ensemble Hybrid Algorithm to Design Compact	Neural Computing and Applications (Springer)	pp 1–12	June, 2016	International	DOI: 10.1007/s00521-016-2402-9	Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition,	0



		Fractal Antenna for Rectenna System						SCOPUS	
10	Nitika Sharma, <b>Balwinder Singh Dhaliwal</b> and Simranjit Kaur	Design of A Fractal Slot Antenna for Rectenna System and Comparison of Simulated Parameters for Different Dimensions	CPUH-Research Journal	vol. 1, no. 2, pp. 43-48	2015	National	<a href="http://www.cpuh.in/academics/academic_journals.php">http://www.cpuh.in/academics/academic_journals.php</a>	---	0
11	Gagandeep Kaur, <b>Chahat Jain, Munish Rattan</b>	Review of Antennas Depoying Fractal Slot Geometries	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Special Issue, pp. 42-48, ISSN: 2278-8735	April, 2016	International	<a href="http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/H.ECE-151.pdf">http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/H.ECE-151.pdf</a>	NASA, Crossref, ANED, ARXIV.org	0
12	Urvinder Singh, Rohit Salgotra, <b>Munish Rattan</b>	A Novel Binary Spider Monkey Optimization Algorithm for Thinning of Concentric Circular Antenna Arrays	IETE Journal of Research (Taylor & Francis)	Vol. 62, Issue 6, pp. 736-744	February, 2016	International	10.1080/03772063.2015.1135086	(WOS, Scopus) <a href="http://www.tandfonline.com/action/journalInformation?journalCode=tijr20">http://www.tandfonline.com/action/journalInformation?journalCode=tijr20</a>	1
13	Amandeep Kaur, <b>Baljeet Kaur</b>	Performance Investigation of CO-OFDM WDM-RoF Networks with different Modulation Techniques abd Dispersion Compensation using FBG	International Journal of Innovative Research in Computer and Communication Engineering	Vol. 3, Issue 8, pp. 7230-7236, ISSN: 2320-9798	August, 2015	International	10.15680/IJIRCCE.2015.0308	link ( <a href="http://ijrcce.com/indexing.html">http://ijrcce.com/indexing.html</a> )	0

14	Neha, <b>Baljeet Kaur</b>	MATLAB and K-Wave Based Outdoor Ray Propagation Predictor Tool SNELLIX for Surface Wave Modelling	Innovative Systems Design and Engineering	Vol. 6 No. 11, pp. 7-19, ISSN (paper): 2222-1727, ISSN (online): 2222-2871	August, 2015	International	<a href="http://iiste.org/Journals/index.php/ISDE/article/view/26987">http://iiste.org/Journals/index.php/ISDE/article/view/26987</a>	EBSCO (U.S.), Index Copernicus (Poland), Ulrich's Periodicals Directory (ProQuest, U.S.), JournalTOCS (UK), PKP Open Archives Harvester (Canada), Bielefeld Academic Search Engine (Germany), Elektronische Zeitschriftenbibliothek EZB (Germany), SCIEdge (U.S.), Open J-Gate (India), OCLC WorldCat (United States), Universe Digital Library (Malaysia), NewJour (Georgetown University Library, U.S.), Google Scholar	0
15	<b>Harminder Kaur</b>	A Survey of Hybrid Cluster-Based Energy Efficient Routing Protocols in Wireless Sensor Networks	International Journal of Electrical and Electronics Engineers	Vol. 7, Issue 2,	July-December, 2015	International			0

16	Shruti Sharma, Ravneet Kaur, Vinay Kumar, <b>Chahat Jain</b>	Solar Energy Based Warehouse Control System	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Special Issue, pp. 38-42, ISSN: 2278-8735	April, 2016	International	<a href="http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/G.ECE-147.pdf">http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/G.ECE-147.pdf</a>	NASA, Crossref, ANED, ARXIV.org	0
17	Sandeep Singh, <b>Chahat Jain, Daljit Singh</b>	A Novel Approach based on Reliable Messaging Protocol for Sensor Network Navigation without Locations	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Special Issue, pp. 49-54, ISSN: 2278-8735	April, 2016	International	<a href="http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/IECE-155.pdf">http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/IECE-155.pdf</a>	NASA, Crossref, ANED, ARXIV.org	0
18	Amandeep Kaur, <b>Jasmeet Kaur, Nishu Kansal</b>	Performance Analysis of MANET Using Efficient Power Aware Routing Protocol (EPAR)	IOSR Journal of Electronics and Communication Engineering (IOSR-JECE)	Special Issue- AETM'16, pp. 105-109, ISSN : 2278-2834 P-ISSN: 2278-8735	2016	International	<a href="http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/R.ECE-153.pdf">http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/R.ECE-153.pdf</a>	NASA, Crossref, ANED, ARXIV.org	0

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S No.	Name of Author(s)	Title of Paper	Name of the Journal	Volume No. / Issue No./ Page numbers/ ISSN	Month, Year of Publication	National/ International	DOI	Indexing	Citations
1	<b>Harsimranjit Singh Gill, Kamaljit Singh Bhatia and Sandeep Singh Gill</b>	Analysis of secured Optical Orthogonal Frequency Division Multiplexed System	International Journal of Optical Communications	pp. 1-5, ISSN (Online) 2191-6322, ISSN (Print) 0173-4911	August, 2016	International	DOI: 10.1515/joc-2016-0075	(Elsevier - SCOPUS) <a href="https://www.degruyter.com/view/j/joc?rskey=cYFcy&amp;result=3">https://www.degruyter.com/view/j/joc?rskey=cYFcy&amp;result=3</a>	2
2	<b>Navneet Kaur, Sandeep Singh Gill and Munish Rattan</b>	Performance Analysis of Dual Material Gate (DMG) Symmetric Dual-k Spacer (SDkS) Tri-Gate FinFET	The Institution of Engineers (India), Electronics and Telecommunication Engineering Division Board, Annual Technical Volume	pp.98-102, ISBN : 978-81-932567-1-8	October, 2016	National	—	Scopus, <a href="https://www.ieindia.org/PDF_IMAGES/CouncilData/ATV_ETDB.pdf">https://www.ieindia.org/PDF_IMAGES/CouncilData/ATV_ETDB.pdf</a>	6
3	<b>Gurpurneet Kaur Sandeep Singh Gill Munish Rattan</b>	Design and Electrical Analysis of 3-fin SOI FinFET for Si, SiGe, GaAs and InGaAs Channel Materials	The Institution of Engineers (India), Electronics and Telecommunication Engineering Division Board, Annual Technical Volume	pp.18-21, ISBN : 978-81-932567-1-8	October, 2016	National	—	<a href="https://www.ieindia.org/PDF_IMAGES/CouncilData/ATV_ETDB.pdf">https://www.ieindia.org/PDF_IMAGES/CouncilData/ATV_ETDB.pdf</a>	0
4	Satyam Shukla, <b>Sandeep Singh Gill,</b>	Comparative Simulation Analysis of Process	Active and Passive Electronic Components	pp.1-8, Vol 2017	March, 2017	International	<a href="https://doi.org/10.1155/2017/5947819">https://doi.org/10.1155/2017/5947819</a>	Scopus, <a href="https://www.hindawi.com/journals/apec/ai/">https://www.hindawi.com/journals/apec/ai/</a>	10

	<b>Navneet Kaur</b>	Parameters variations in 20nm Triangular FinFET							
5	Jasmeet Kaur, <b>Sandeep Singh Gill</b> , <b>Navneet Kaur</b>	Optimization of CMOS Repeater Driven Interconnect RC line using Genetic Algorithm	Journal of Shanghai Jiaotong University (Science) - Springer	Vol. 22, Issue 2, pp. 167-172, ISSN: 2367-8879	March, 2017	International	10.1007/s12204-017-1817-5	<a href="http://www.springer.com/engineering/electronics/journal/12204">http://www.springer.com/engineering/electronics/journal/12204</a>	0
6	Jaspreet Kaur, <b>Balwinder Singh Dhaliwal</b> and <b>Sandeep Singh Gill</b>	Offline Handwritten Gurmukhi Character Recognition using Particle Swarm Optimized Neural Network	International Journal of Computer Applications Proceedings on International Conference on Advancements in Engineering & Technology (ICAET-2016)	Vol. 12, pp. 35 – 41.	September, 2016,	International	<a href="https://pdfs.semanticscholar.org/277d/d6de37f518539ea28b0f0c109e31fc3703e9.pdf">https://pdfs.semanticscholar.org/277d/d6de37f518539ea28b0f0c109e31fc3703e9.pdf</a>	<a href="http://www.ijcaonline.org/indexing-">http://www.ijcaonline.org/indexing-</a>	0
7	Suman, <b>Balwinder Singh Dhaliwal</b> , Shyam S. Pattnaik, and Harish K. Sardana	Perturbed Rectangular Sierpinski Carpet Geometry Based Miniaturized Fractal Patch Antenna	International Journal of Electronics Engineering Research	Vol. 9, No. 3, pp. 353 – 362.	2017	International	<a href="https://www.ripublication.com/ijeer17/ijeerv9n3_06.pdf">https://www.ripublication.com/ijeer17/ijeerv9n3_06.pdf</a>	<a href="https://www.ripublication.com/ijeer.htm">https://www.ripublication.com/ijeer.htm</a>	0
8	<b>Narwant Singh Grewal</b> , <b>Munish Rattan</b> , Manjeet Singh Patterh	A Linear Mutually Coupled Parallel Dipole Antenna Array Failure Correction	Progress In Electromagnetic's Research M	Vol. 54, pp.9–18, ISSN: 1937-8726	February, 2017	International	<a href="http://www.jpier.org/PIERM/pierm54/02.16120202.pdf">http://www.jpier.org/PIERM/pierm54/02.16120202.pdf</a>	(Elsevier's SCOPUS)	3

		Using Bat Algorithm.							
9	M. Kaur, <b>Munish Rattan</b> , P. Singh	Automatic Segmenting Structures in MRI's Based on Texture Analysis and Fuzzy Logic	Sensing and Imaging	Vol. 18, No. 2, E ISSN:1557-2072	December, 2016	International	DOI:10.1007/s11220-016-0151-6	scopus	0
10	Gagandeep Kaur, <b>Munish Rattan &amp; Chahat Jain</b>	Optimization of Swastika Slotted Fractal Antenna using Genetic Algorithm and Bat Algorithm for S-band Utilities	Wireless Personal Communications	Vol. 97, pp. 95-107	May, 2017	International	<a href="https://doi.org/10.1007/s11277-017-4495-6">https://doi.org/10.1007/s11277-017-4495-6</a>	SCIE (1.061)	7
11	Avneet Kaur, <b>Baljeet Kaur, Kuldeepak Singh</b>	Design and Performance analysis of bidirectional TWDM-PON employing QAM-OFDM for downstream and remodulation for upstream	Optik - International Journal for Light and Electron Optics	Vol. 134, ISSN: 0030-4026, pp. 287-294	April, 2017	International	<a href="https://doi.org/10.1016/j.ijleo.2017.01.009">doi.org/10.1016/j.ijleo.2017.01.009</a>	SCIENCE CITATION INDEX, SCOPUS	13
12	Jaspreet Kaur, <b>Baljeet Kaur, Kuldeepak Singh</b>	Design and Performance Investigation of Intersatellite Optical Wireless Communication System Employing	Springer-Wireless Personnel Communication	Vol.94, Issue 3,ISSN: 0929-6212, pp.793-807	June, 2017	International	10.1007/s11277-016-3651-8	<a href="https://www.springer.com/engineering/signals/journal/11277/PSE?detailsPage=aboutThis">https://www.springer.com/engineering/signals/journal/11277/PSE?detailsPage=aboutThis</a>	SCI, SCOPUS

		Modulation Techniques							
13	Rubeka, Gurinder Singh, <b>Baljeet Kaur</b>	Design of CO-OFDM WDM-RoF Network with different Modulation Techniques and Dispersion Compensation using FBG	International Journal of Engineering Applied Science and Technology	Vol.2, Issue 1, ISSN: 2455-2143, pp.49-53	November-December 2016	International	<a href="http://www.ijeast.com/papers/49-53,Tesma201,IJEAST.pdf">http://www.ijeast.com/papers/49-53,Tesma201,IJEAST.pdf</a>	<a href="https://www.ijeast.org/">https://www.ijeast.org/</a>	0
14	Vibhuti, Gurinder Singh, <b>Baljeet Kaur</b>	Comparison Analysis of Ultra, Visible, and Infra high Capacity Intersatellite Optical Wireless Communication System using Distinct Modulation Formats	International Journal of Engineering Applied Science and Technology	Vol.2, Issue 1, ISSN: 2455-2143,pp.62-66	November-December 2016	International	<a href="https://www.ijeast.com/papers/62-66,Tesma201,IJEAST.pdf">https://www.ijeast.com/papers/62-66,Tesma201,IJEAST.pdf</a>	<a href="https://www.ijeast.org/">https://www.ijeast.org/</a>	0
15	Chatarpratap Singh Sohi, Karamjeet Singh, Davinder K. Thakur, <b>Gurpurneet Kaur</b>	Design and Performance Analysis of different shapes of Trigate FinFET at 20nm	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 4, Issue 10, pp. 72-77, ISSN (Online) 2321 – 2004, ISSN (Print) 2321 – 5527	October, 2016	International	DOI 10.17148/IJIREEIC.E.2016.4.1015	<a href="http://www.ijireeice.com/upload/2016/october-16/IJIREEIC%2015.pdf">http://www.ijireeice.com/upload/2016/october-16/IJIREEIC%2015.pdf</a>	0
16	Aakshi Sharma, <b>Sapanjot Kaur</b> , Rajan Miglani,	Implementation of all optical full-addition module based on SOA non	Journal of Optics	Vol. 46, No. 1, pp. 43 – 50	March, 2017	International	DOI 10.1007/s12596-016-0341-6	SCOPUS	0

	Jagjit Singh Malhotra	linearity							
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**Session (July, 2017-June, 2018)**

<b>S No.</b>	<b>Name of Author(s)</b>	<b>Title of Paper</b>	<b>Name of the Journal</b>	<b>Volume No. / Issue No./ Page numbers/ ISSN</b>	<b>Month, Year of Publication</b>	<b>National/ International</b>	<b>DOI</b>	<b>Indexing</b>	<b>Citations</b>
1	Jashanjot Kaur, <b>Sandeep Singh Gill,</b> <b>Gurpurneet Kaur</b>	Electrical Characteristics of Double Gate and Trigate Silicon-On-Insulator Fin FET based Inverter at 20nm Technology	International Journal of Research in Engineering, IT and Social Sciences (IJREISS)	Vol.8, Special Issue, pp. 72-80, ISSN-2250-0588 (Online)	June 2018,	International	<a href="https://indusedu.org/pdfs/IJREISS/IJREISS_1991_48453.pdf">https://indusedu.org/pdfs/IJREISS/IJREISS_1991_48453.pdf</a>	<a href="http://indusedu.org/indexing.php">http://indusedu.org/indexing.php</a> , (UGC approved Journal No. 42301)	0
2	<b>Harsimranjit Singh Gill,</b> <b>Sandeep Singh Gill</b> Kamaljit Singh Bhatia	A novel approach for physical layer security in future-generation passive optical networks	Photonic Network Communications. Springer	Vol. 35, Issue 2, pp 141–150, ISSN: 1387-974X. (SCI/Scopus indexed)	April, 2018	International	<a href="https://doi.org/10.1007/s11107-017-0738-4">https://doi.org/10.1007/s11107-017-0738-4</a>	Science Citation Index, Science Citation Index Expanded (SciSearch), SCOPUS	4
3	Navneet Kaur, Munish Rattan, <b>Sandeep Singh Gill</b>	Performance optimization of Broadwell-Y shaped transistor using Artificial	Majlesi Journal of Electrical Engineering	Vol 12 No 1, p-ISSN: 2345-377X	March, 2018	International	<a href="http://mjee.iaumajlesi.ac.ir/index/index.php/ee/article/view/2231">http://mjee.iaumajlesi.ac.ir/index/index.php/ee/article/view/2231</a>	<a href="http://mjee.iaumajlesi.ac.ir/index/index.php/ee/about/editorialPolicies#custom-0">http://mjee.iaumajlesi.ac.ir/index/index.php/ee/about/editorialPolicies#custom-0</a> , (Scopus)	6



		Neural Network and Moth-Flame Optimization Technique							
4	Sanjeev Kumar, <b>Sandeep Singh Gill,</b> <b>Kuldeepak Singh</b>	Performance Investigation of Inter-satellite Optical Wireless Communication (IsOWC) System Employing Multiplexing Techniques	Wireless Personal Communications, Springer	Vol.98, Issue 1, pp. 1461–1472, ISSN: 0929-6212.	January, 2018	International	<a href="https://doi.org/10.1007/s11277-017-4926-4">https://doi.org/10.1007/s11277-017-4926-4</a>	(SCI/Scopus indexed)	8
5	<b>Harsimranjit Singh Gill,</b> <b>Sandeep Singh Gill</b> Kamaljit Singh Bhatia	A novel chaos-based encryption approach for future-generation passive optical networks using SHA-2	IEEE/OSA Journal of Optical Communications and Networking	Vol. 9, Issue: 12, pp. 1184-1190	December, 2017	International	10.1364/JOCN.9.001184	(SCI/Scopus indexed)	8
6	<b>Navneet Kaur,</b> <b>Munish Rattan,</b> <b>Sandeep Singh Gill</b>	Evolution of Non-conventional MOS Device structures-A Review	IUP Journal of Telecommunications	Vol. X, No.2, pp.48-69	May, 2018	National	<a href="https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3266312">https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3266312</a>	abell's Directory, and also distributed by EBSCO and Proquest Database	0
7	Lovepreet Kaur, <b>Ameeta Seehra</b> and Daljit Singh	Node Localization in Wireless Sensor Network using Firefly Algorithm	Advances in Computer Science and Information Technology (ACSIT)	Vol. 5, Issue 2, pp. 54-56, e-ISSN: 2393-9915;	April-June, 2018	International	<a href="https://www.krishianskriti.org/vol_image/02Nov201802111503%20%20%20%20%20%20Lovepreet%20Kaur%20%20%20%20%20%20%20%20%20%20%20%2054-56.pdf">https://www.krishianskriti.org/vol_image/02Nov201802111503%20%20%20%20%20%20Lovepreet%20Kaur%20%20%20%20%20%20%20%20%20%20%20%2054-56.pdf</a>	<a href="https://www.krishianskriti.org/vol_image/02Nov201802111503%20%20%20%20%20%20Lovepreet%20Kaur%20%20%20%20%20%20%20%20%20%20%20%2054-56.pdf">https://www.krishianskriti.org/vol_image/02Nov201802111503%20%20%20%20%20%20Lovepreet%20Kaur%20%20%20%20%20%20%20%20%20%20%20%2054-56.pdf</a>	0

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8	<b>Narwant Singh Grewal, Munish Rattan, Manjeet Singh Patterh</b>	A Linear Antenna Array Failure Correction Using Improved Bat Algorithm	International Journal of RF and Microwave Computer-aided Engineering (Wiley) (Impact Factor 0.524)	Vol. 27, Issue 7, pp. 1-16	September, 2017	International	10.1002/mmce.21119	<a href="http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-047X/homepage/ProductInformation.html">http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-047X/homepage/ProductInformation.html</a> , (SCI expanded, SCOPUS, WOS)	13
9	<b>Narwant Singh Grewal, Munish Rattan, Manjeet Singh Patterh</b>	A Non-Uniform Circular Antenna Array Failure Correction Using Firefly Algorithm	Wireless Personal Communications (Springer) (Impact Factor 0.701 (2015))	Vol.97, Issue 1, pp 845-858	November, 2017	International	DOI 10.1007/s11277-017-4540-5	<a href="http://www.springer.com/engineering/signals/journal/11277">http://www.springer.com/engineering/signals/journal/11277</a> , (SCI expanded, SCOPUS)	9
10	<b>Harpreet Kaur Gill, Gurjot Kaur Walia and Narwant Singh Grewal</b>	A Review on FSO and IS-OWC System along with Mode Division Multiplexing	Advanced Research in Electrical and Electronic Engineering	Vol. 5, Issue 2, April-June, 2018, pp. 105-109, e-ISSN: 2349-5812	April-June, 2018	International	scopus	<a href="https://www.krisanskriti.org/vol_image/04Nov201807115004%20%20%20%20%20%20%20HarpreetKaur%20Gill%20%20%20%20%20105-109.pdf">https://www.krisanskriti.org/vol_image/04Nov201807115004%20%20%20%20%20%20%20HarpreetKaur%20Gill%20%20%20%20%20105-109.pdf</a>	0
11	<b>Pushkar Mishra, Shyam Sunder Pattnaik and Balwinder Singh Dhaliwal</b>	Modified Concentric Rings Based Square Shaped Fractal Antenna for Wi-Fi & WiMAX Application	International Journal of Electronics Engineering Research	Vol. 9, No. 7, pp. 1005 - 1012.	2017	International	<a href="https://www.ripublication.com/ijeer17/ijeerv9n7_07.pdf">https://www.ripublication.com/ijeer17/ijeerv9n7_07.pdf</a>	<a href="https://www.ripublication.com/ijeer.htm">https://www.ripublication.com/ijeer.htm</a>	0

12	<b>Balwinder Singh Dhaliwal,</b> Shyam Sundar Pattnaik	Development of PSO-ANN Ensemble Hybrid Algorithm and Its Application in Compact Crown Circular Fractal Patch Antenna Design	Wireless Personal Communications	Vol. 96, No. 1, 2017, pp. 135-152.	2017	International	DOI 10.1007/s11277-017-4157-8	Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS	13
13	Pushkar Mishra, Shayam S. Pattnaik, <b>Balwinder Singh Dhaliwal</b>	Square-Shaped Fractal Antenna under Metamaterial Loaded Condition for Bandwidth Enhancement	Progress In Electromagnetic Research C	Vol. 78, 2017, pp. 183-192	2017	International		Elsevier's SCOPUS and Compendex now	4
14	Kiranjot Kaur, <b>Munish Rattan &amp; Manjeet Singh Patterh</b>	Cuckoo Search Based Optimization of Multiuser Cognitive Radio System Under the Effect of Shadowing	Wireless Personal Communications An International Journal	Vol. 99 No. 3, ISSN 0929-6212, pp-1217-1230	April, 2018	International	DOI 10.1007/s11277-017-5181-4	<a href="https://link.springer.com/article/10.1007/s11277-017-5181-4">https://link.springer.com/article/10.1007/s11277-017-5181-4</a> , (Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, Google Scholar)	7
15	Ravneet Kaur, <b>Harminder Kaur</b>	Comparative analysis of chirped, AMI and DPSK modulation techniques in IS-OWC system	Optik - International Journal for Light and Electron Optics (Elsevier)	Vol.154, pp.755-762	February, 2018	International	<a href="https://doi.org/10.1016/j.ijleo.2017.10.108">https://doi.org/10.1016/j.ijleo.2017.10.108</a>	SCIE, SCOPUS	18

16	Harsimranjit Kaur, <b>Kuldeep Singh and Tarandeep Singh</b>	A Review on OFDM-FSO System	Advanced Research in Electrical and Electronic Engineering	Vol. 5, Issue 2, April-June, 2018, pp. 110-112, e-ISSN: 2349-5812	April-June, 2018	International	scopus	<a href="https://www.krishisanskriti.org/vol_image/04Nov201807115705%20%20%20%20%20%20Harsimranjit%20Kaur%20%20%20%20%20%20110-112.pdf">https://www.krishisanskriti.org/vol_image/04Nov201807115705%20%20%20%20%20%20Harsimranjit%20Kaur%20%20%20%20%20%20110-112.pdf</a>	0
17	Ravinder Kaur, <b>Palwinder Kaur</b> ,Gagandeep Singh, Gurpreet Singh	Programmatir Buying vs. Traditional Paid Marketing Approaches	International Journal for Scientific Research & Development (IJSRD)	Vol. 5, Issue 5, pp.1207-1210, ISSN (online): 2321-0613	August, 2017	International	<a href="http://www.ijsrd.com/articles/IJSRDV5I50476.pdf">http://www.ijsrd.com/articles/IJSRDV5I50476.pdf</a>	<a href="http://ijsrd.com/">http://ijsrd.com/</a>	0
18	Ravinder Kaur, <b>Palwinder Kaur</b> , Gagandeep Singh, Gurpreet Singh	Impact of Marketing Automation Customer Engagement 7 Retention	International Journal for Scientific Research & Development (IJSRD)	Vol. 5, Issue 5, pp. 1083-1086, ISSN (online): 2321-0613	August, 2017	International	<a href="http://www.ijsrd.com/articles/IJSRDV5I50051.pdf">http://www.ijsrd.com/articles/IJSRDV5I50051.pdf</a>	<a href="http://ijsrd.com/">http://ijsrd.com/</a>	0
19	<b>Taranjit Kaur</b> , Barjinder Singh Saini, Savita Gupta	An optimal spectroscopic feature fusion strategy for MR brain tumor classification using Fisher Criteria and Parameter-Free BAT optimization algorithm	Biocybernetics and Biomedical Engineering (Elsevier)	Vol. 38, Issue 2, 2018, pp. 409-424	2018	International	<a href="https://doi.org/10.1016/j.bbe.2018.02.008">https://doi.org/10.1016/j.bbe.2018.02.008</a>	SCOPUS	12

20	<b>Taranjit Kaur,</b> Barjinder Singh Saini, Savita Gupta	A novel fully automatic multilevel thresholding technique based on optimized intuitionistic fuzzy sets and tsallis entropy for MR brain tumor image segmentation.	Australasian Physical & Engineering Sciences in Medicine	Vol.41, Issue 1, pp 41–58	May, 2018	International	<a href="https://www.ncbi.nlm.nih.gov/pubmed/29238919">https://www.ncbi.nlm.nih.gov/pubmed/29238919</a>	Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, Medline, SCOPUS	6
21	Atul Kumar Verma, Barjinder Singh Saini, <b>Taranjit Kaur</b>	Image Denoising using Alexander Fractional Hybrid Filter	International Journal Of Image and Graphics	Vol. 18, No. 1, pp.	January , 2018	International	<a href="http://www.worldscientific.com/page/ijig/abstracted-indexed">http://www.worldscientific.com/page/ijig/abstracted-indexed</a>	SCOPUS	4

**Session (July, 2018-June, 2019)**

S No.	Name of Author(s)	Title of Paper	Name of the Journal	Volume No. / Issue No./ Page numbers/ ISSN	Month, Year of Publication	National/ International	DOI	Indexing	Citations
1	<b>Navneet Kaur,</b> <b>Munish Rattan,</b> <b>Sandeep Singh Gill</b>	Design and Optimization of Novel Shaped FinFET	Arabian Journal for Science and Engineering	Vol. 44, Issue 4, pp 3101–3116	July, 2018	International	<a href="https://doi.org/10.1007/s13369-018-3428-3">https://doi.org/10.1007/s13369-018-3428-3</a>	Scopus, SCIE	7
2	Gurmukh Singh, <b>Munish Rattan,</b> <b>Sandeep Singh Gill,</b> Nitin Mittal	Hybridization of water wave optimization and sequential quadratic programming for cognitive	Soft Computing	pp. 7991–8011	August, 2018	International	<a href="https://doi.org/10.1007/s00500-018-3437-x">https://doi.org/10.1007/s00500-018-3437-x</a>	Scopus, SCIE	0

		radio system							
3	Satyam Shukla, <b>Sandeep Singh Gill</b> , H S Jatana, Varun Nehru, <b>Navneet Kaur</b>	Modelling and mitigation of single-event upset in CMOS voltage-controlled oscillator	Sadhana	pp. 1-10, Print ISSN: 0256-2499; Online ISSN: 0973-7677	September, 2018	International	<a href="https://doi.org/10.1007/s12046-018-0945-4">https://doi.org/10.1007/s12046-018-0945-4</a>	SCIE (0.849)	0
4	Parveen Kumar, <b>Sandeep Singh Gill</b>	Performance Analysis of Impact of Source/Drain Doping Gradient as well as Roll-off Widths on GIDL of Double Gate MOSFET	Journal of Nanoelectronics and Optoelectronics	Vol. 13, No.11, pp. 1705-1710	November, 2018	International	<a href="https://doi.org/10.1166/jno.2018.2426">https://doi.org/10.1166/jno.2018.2426</a>	SCI/Scopus	0
5	<b>Navneet Kaur</b> , <b>Munish Rattan</b> , <b>Sandeep Singh Gill</b>	Influence of Fin Dimensions on Performance of Nanoscale Rectzoidal Bulk FinFET	Journal of Nanoelectronics and Optoelectronics	Vol.14, No. 3, pp. 389-399(11), ISSN 1555-130X (Print), ISSN 1555-1318 (Online)	March. 2019	International	<a href="https://doi.org/10.1166/jno.2019.2530">https://doi.org/10.1166/jno.2019.2530</a>	SCI/ Scopus	0
6	Kiranjeet Kaur, <b>Sandeep Singh Gill</b> , <b>Navneet kaur</b>	A Review on Non-Conventional Analog Circuit Design Techniques for Low Voltage Low Power Operation	International Journal of Research in Advent Technology	Vol.7, No.5, E-ISSN: 2321-96, pp. 567-572	May, 2019	International	DOI:10.32622/ijrat.752019341	<a href="http://ijrat.org/downloads/Vol-7/may-2019/752019341.pdf">http://ijrat.org/downloads/Vol-7/may-2019/752019341.pdf</a>	0

7	Sameeksha Munjal, <b>Gurpurneet Kaur,</b> <b>Sandeep Singh Gill</b>	Design of Ring Oscillator at 45NM Technology Using Fault Tolerant Delay Cell	International Journal of Scientific Research and Engineering Development-	Vol.3, Issue 3, pp. 889-892, ISSN : 2581-7175	June, 2020	International	<a href="http://www.ijrsred.com/volume3/issue3/IJSRED-V3I3P118.pdf">http://www.ijrsred.com/volume3/issue3/IJSRED-V3I3P118.pdf</a>	<a href="http://www.ijrsred.com/">http://www.ijrsred.com/</a>	0
8	Harpreet Kaur, <b>Narwant Singh,</b> <b>Gurjot Kaur Walia</b>	Performance analysis of mode division multiplexing IS-OWC system using Manchester, DPSK and DQPSK modulation techniques	Optik	Vol. 177, pp. 93-101	January, 2019	International	<a href="https://doi.org/10.1016/j.ijleo.2018.09.032">https://doi.org/10.1016/j.ijleo.2018.09.032</a>	SCIE (2.187)	0
9	Suman Pattnaik, <b>Balwinder Singh Dhaliwal,</b> SS Pattnaik	Impact analysis of mobile phone electromagnetic radiations on human electroencephalogram	Sadhana	Vol.44, No.134, Print ISSN: 0256-2499; Online ISSN: 0973-7677	May, 2019	International	<a href="https://doi.org/10.1007/s12046-019-1116-y">https://doi.org/10.1007/s12046-019-1116-y</a>	SCIE (0.849)	1
10	Suman Pattnaik, Shyam S.Pattnaik and <b>Balwinder Singh Dhaliwal</b>	Modeling of circular fractal antenna using BFO-PSO-based selective ANN ensemble	International Journal of Numerical Modelling Electronic Networks Devices and Fields	Vol.32, Issue 3, pp.1-12	June 2019	International	<a href="https://doi.org/10.1002/jnm.2549">doi:10.1002/jnm.2549</a>	Scopus, SCIE (0.833)	2
11	Harpreet Kaur and <b>Munish Rattan</b>	Hybrid Algorithm Based Effective Light Trail Creation in an Optical Networks	Journal of Optical Communications	ISSN 2191-6322	January 2019	International	<a href="https://doi.org/10.1515/joc-2018-0209">https://doi.org/10.1515/joc-2018-0209</a>	Scopus	0

12	Shruti Sharma, <b>Munish Rattan</b>	An Improved Segmentation and Classifier Approach Based on HMM for Brain Cancer Detection	The Open Biomedical Engineering Journal	Vol. 13, 2019, pp. 33-39, ISSN: 1874-1207	February, 2019	International	DOI: 10.2174/1874120701913010033	Scopus	0
13	Ashish Thakur, <b>Munish Rattan</b>	Implementation of convolution coded OFDM through different channel models on SDR platform	International Journal of Information Technology	Print ISSN: 2511-2104, Online ISSN: 2511-2112	December, 2018	International	DOI:10.1007/s41870-018-0265-2	Scopus	0
14	Shivangi Pathania, <b>Baljeet Kaur and Kuldeepak Singh</b>	Spectrum Sliced WDM using Array Waveguide Grating in Free Space Optical Communication	Advances in Computer Science and Information Technology (ACSIT)	Vol. 5, Issue 2, pp. 68-72, p-ISSN: 2393-9907, e-ISSN: 2393-9915,	April-June, 2018	International	<a href="https://www.krishisanskriti.org/vol_imag/e/02Nov201802113407%20%20%20%20%20Shivangi%20Pathania%20%20%20%20%200%20%20%202068-72.pdf">https://www.krishisanskriti.org/vol_imag/e/02Nov201802113407%20%20%20%20%20Shivangi%20Pathania%20%20%20%20%200%20%20%202068-72.pdf</a>	Scopus	0
15	Rajvir Kaur, Avneet Kaur and <b>Baljeet Kaur</b>	Performance analysis of SAC OCDMA in FSO under different Weather Conditions	Journal of Basic and Applied Engineering Research	Vol.5, Issue 7, p-ISSN: 2350-0077, e-ISSN: 2350-0255, pp. 565-572	December, 2018	International	<a href="https://www.krishisanskriti.org/vol_imag/e/24Oct201911105801%20%20%20%20%20Rajvir%20Kaur%20%20%20%20%20%20%20%20%20%201-5.pdf">https://www.krishisanskriti.org/vol_imag/e/24Oct201911105801%20%20%20%20%20Rajvir%20Kaur%20%20%20%20%20%20%20%20%20%201-5.pdf</a>	Scopus	0
16	Rajvir Kaur and <b>Baljeet Kaur</b>	A Review Paper on SAC OCDMA in FSO under different Weather Conditions	Advanced Research in Electrical and Electronic Engineering	Vol. 6, Issue 1, pp. 1-5, p-ISSN: 2349-5804, e-ISSN: 2349-5812	January-March, 2019	International	<a href="https://www.krishisanskriti.org/vol_imag/e/24Oct201911105801%20%20%20%20%20Rajvir%20Kaur%20%20%20%20%20%20%20%20%20%201-5.pdf">https://www.krishisanskriti.org/vol_imag/e/24Oct201911105801%20%20%20%20%20Rajvir%20Kaur%20%20%20%20%20%20%20%20%20%201-5.pdf</a>	Scopus	0



17	Kanwarpreet Kaur, <b>Gurjot Kaur Walia</b> & Jaspreet Kaur	Neural Network Ensemble and Jaya Algorithm Based Diagnosis of Brain Tumor Using MRI Images	Journal of The Institution of Engineers(INDIA):Series-B	Vol. 99, Issue 5,pp 509-517	July, 2018	International	<a href="https://doi.org/10.1007/s40031-018-0355-3">https://doi.org/10.1007/s40031-018-0355-3</a>	Scopus	2
18	Samjot kaur Aujla, <b>Navneet Kaur</b>	Optimization of Dual-K Gate Dielectric and Dual Gate Heterojunction SOI FinFET at 14 nm Gate Length	IETE Journal of Research	pp. 1-9, Print ISSN: 0377-2063, Online ISSN: 0974-780X	June, 2019	International	<a href="https://doi.org/10.1080/03772063.2019.1620640">https://doi.org/10.1080/03772063.2019.1620640</a>	SCIE	3
19	<b>Chahat Jain</b> , Saroop singh	Feed Point Optimization of Koch–Minkowski Hybrid Boundary antenna for ISM Band	Wireless Personal Communications	Vol.108, Issue 4, pp. 2403–2414	May, 2019	International	<a href="https://doi.org/10.1007/s11277-019-06528-2">https://doi.org/10.1007/s11277-019-06528-2</a>	SCIE (1.061)	0
20	<b>Taranjit Kaur</b> , Baljinder Singh Saini, Savita Gupta	A comparative study on Kapur's and Tsallis entropy for multilevel thresholding of MR images via particle swarm optimisation technique	International Journal of Computational Systems Engineering	Vol. 4, Issue 2-3, Print ISSN: 2046-3391 Online ISSN: 2046-3405	November, 2018	International	<a href="https://www.inderscienceonline.com/doi/pdf/10.1504/IJCSYS E.2018.091395">https://www.inderscienceonline.com/doi/pdf/10.1504/IJCSYS E.2018.091395</a>	<a href="https://www.inderscience.com/jhome.php?jcode=ijcsyse#about-content">https://www.inderscience.com/jhome.php?jcode=ijcsyse#about-content</a>	6

Session (July, 2019-June, 2020)

S No.	Name of Author(s)	Title of Paper	Name of the Journal	Volume No. / Issue No./ Page numbers/ ISSN	Month, Year of Publication	National/ International	DOI	Indexing	Citations
1	<b>Gurpurneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Whale Optimization Algorithm for Performance Improvement of Silicon-On-Insulator FinFETs	International Journal of Artificial Intelligence	Vol.18, Issue 1,pp. 63-81, ISSN 0974-0635	March, 2020	International	<a href="http://www.ceser.in/ceserp/index.php/ijai/article/view/6376">http://www.ceser.in/ceserp/index.php/ijai/article/view/6376</a>	Scopus	0
2	Shashi Bhushan, <b>Sandeep Singh Gill, Kuldeepak Singh Saini</b>	Development of range free three dimensional localisation in wireless sensor networks	International Journal of Sensor Networks	Vol. 31, No. 1, pp. 52-63, Online ISSN: 1748-1287	July, 2019	International	<a href="https://doi.org/10.1504/IJSNET.2019.101572">https://doi.org/10.1504/IJSNET.2019.101572</a>	Scopus	0
3	Pulkit Jain, Debjyoti Malik, <b>Sandeep Singh Gill, Paras Chawla</b>	ASIC design of 4K-point RADIX-2 FFT in 0.18 $\mu\text{m}$ CMOS technology	International Journal of Information Technology	Vol.12, pp.1427–1433(2020), Print ISSN: 2511-2104;Online ISSN: 2511-2112	August, 2019	International	<a href="https://doi.org/10.1007/s41870-019-00334-6">https://doi.org/10.1007/s41870-019-00334-6</a>	Scopus	0
4	Amritpal Kaur, <b>Balwinder Singh Dhaliwal, S. Pattnaik</b>	Design of hybrid fractal boundary antenna for rf energy harvesting applications	International Journal of Innovative Technology and Exploring Engineering	Vol. 8, Issue 9S, pp. 411-413, ISSN: 2278-3075	July, 2019	International	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I10650789S19.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I10650789S19.pdf</a>	Scopus	0

5	<b>Balwinder Singh Dhaliwal,</b> Gaganpreet Kaur, Navreet Saini, Shyam Sundar Pattnaik, <b>Simranjit Kaur</b>	A Modified Two-Step ANN Ensemble Approach to Improve Generalization and its Application in Fractal Antenna Design	International Journal of circuits, systems and computers	Vol. 29, Issue 07, ISSN 1793-6454	June, 2020	International	<a href="https://doi.org/10.1142/S0218126620501066">https://doi.org/10.1142/S0218126620501066</a>	SCIE (1.363)	0
6	Harpreet Kaur, <b>Narwant Singh, Gurjot Kaur Walia</b>	Comparative investigation of CSRZ-DQPSK, DRZ-DQPSK, and MDRZ-DQPSK modulation techniques in MDM IS-OWC system	Microwave and Optical Technology Letters	Vol. 61, Issue 7, pp. 1802-1809	July, 2019	International	<a href="https://doi.org/10.1002/mop.31807">https://doi.org/10.1002/mop.31807</a>	SCIE (0.957)	4
7	Chetanjot Kaur, <b>Narwant Singh Grewal</b>	Antenna systems for base station applications	International Journal of Innovative Technology and Exploring Engineering	Vol. 8, Issue-9S, pp. 733-736, ISSN: 2278-3075	July, 2019	International	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I111180789S19.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I111180789S19.pdf</a>	Scopus	0
8	Navleen Kaur, <b>Munish Rattan, Chahat Jain</b>	Design of T slot shaped microstrip patch antenna for S band applications	International Journal of Innovative Technology and Exploring Engineering	Vol. 8, Issue-9S, pp. 692-695 ISSN: 2278-3075	July, 2019	International	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I11110789S19.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I11110789S19.pdf</a>	Scopus	0
9	Sumit Bansal, <b>Munish Rattan</b>	Design of cognitive radio system and comparison of modified whale optimization algorithm with whale	International Journal of Information Technology	—	August, 2019	International	<a href="https://doi.org/10.1007/s41870-019-00346-2">https://doi.org/10.1007/s41870-019-00346-2</a>	Scopus	0

		optimization algorithm							
10	Harpreet Kaur, <b>Munish Rattan</b>	Wind Driven Based Heuristic Solution for Multiobjective Traffic Grooming in Optical Networks	Wireless Personal Communications	Vol. 110, pp. 1475–1491, ISSN 1572-834X	September, 2019	International	<a href="https://doi.org/10.1007/s11277-019-06796-y">https://doi.org/10.1007/s11277-019-06796-y</a>	SCIE (1.061)	0
11	Harpreet Kaur, <b>Munish Rattan</b>	Improved offline multi-objective routing and wavelength assignment in optical networks	Frontiers of Optoelectronics	Vol.12, pp. 433–444	December, 2019	International	<a href="https://doi.org/10.1007/s12200-019-0850-4">https://doi.org/10.1007/s12200-019-0850-4</a>	Scopus	0
12	Kiranjot Kaur, <b>Munish Rattan</b> , Manjeet Singh Patterh	Nakagami-m Fading Affected Multiuser Cognitive Radio System Design Using Moth Flame Optimization	Wireless Personal Communications	Vol. 112, ISSN 1572-834X, pp. 1319–1337	February, 2020	International	<a href="https://doi.org/10.1007/s11277-020-07104-9">https://doi.org/10.1007/s11277-020-07104-9</a>	SCIE (1.061)	1
13	A. S. Kang , Sanjeev Bhatia , <b>Navneet Kaur &amp; Kuldeepak Singh</b>	Performance evaluation of various hybrid modulation techniques transmitted by EDFA in radio-over-fibre communication	Journal of Information and Telecommunication	Vol. 4, Issue 3, pp. 295-313	March, 2020	International	DOI: 10.1080/24751839.2020.1732766	Taylor and Fransics (ProQuest Technology Collection and ProQuest SciTech Premium Collection)	2

14	Rupinder Kaur and <b>Kuldeepak Singh</b>	Performance Analysis of Shift ZCC Codes and Multi Diagonal Codes in 100 Gbps MDM-FSO System	Journal of Optical Communications	—	April, 2020	International	<a href="https://doi.org/10.1515/joc-2019-0264">https://doi.org/10.1515/joc-2019-0264</a>	Scopus	0
15	Archana Madan, <b>Daljit Singh</b>	An optimized hybrid filter designing for speckle and gaussian noise reduction in ultra-sound images	International Journal of Innovative Technology and Exploring Engineering	Vol. 8, Issue-9S, pp.836-842, ISSN: 2278-3075	July, 2019	International	<a href="https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I11350789S19.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i9S/I11350789S19.pdf</a>	Scopus	0
16	<b>Preeti Pannu</b> , Devendra Kumar Sharma	A low-profile quad-port UWB MIMO antenna using defected ground structure with dual notch-band behavior	International Journal of RF and Microwave Computer-Aided Engineering	Vol. 30, Issue 9,	September, 2020	International	<a href="https://doi.org/10.1002/mmce.22288">https://doi.org/10.1002/mmce.22288</a>	SCIE (1.528)	0
17	<b>Preeti Pannu</b> , Devendra Kumar Sharma	Miniaturize four-port UWB-MIMO antenna with tri-notched band characteristics	Microwave and Optical Technology Letters	Vol. 63, Issue 5, pp. 1489-1498	May, 2021	International	DOI:10.1002/mop.32766	SCIE (0.957)	0

Session (July, 2020-June, 2021)

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1	<b>Gurpurneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Artificial Neural Network and Genetic Algorithm Based Hybrid Intelligence for Performance Optimization of Novel Inverted Funnel Shaped Fin Shaped Field Effect Transistor with Gate Stack High-k Dielectric	Journal of Nanoelectronics and Optoelectronics	Vol.15, No.11, pp. 1385-1394(10), ISSN 1555-130X (Print), ISSN 1555-1318 (Online)	November, 2020	International	<a href="https://doi.org/10.1166/jno.2020.2880">https://doi.org/10.1166/jno.2020.2880</a>	SCIE (1.069)	0
2	<b>Gurpurneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Impact of Lanthanum Doped Zirconium Oxide (LaZrO <sub>2</sub> ) Gate Dielectric Material On FinFET inverter	International Journal on Smart Sensing and Intelligent Systems	Vol.13, Issue 1, pp. 1-10, ISSN 1178-5608	November, 2020	International	<a href="https://doi.org/10.21307/ijssis-2020-032">https://doi.org/10.21307/ijssis-2020-032</a>	Scopus	0
3	<b>Gurpurneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Lanthanum Doped Zirconium Oxide (LaZrO <sub>2</sub> ) High-k Gate Dielectric	Transactions on Electrical and Electronic Materials	—	March, 2021	International	<a href="https://doi.org/10.1007/s42341-021-00296-2">https://doi.org/10.1007/s42341-021-00296-2</a>	Scopus	0

		FinFET SRAM Cell Optimization							
4	<b>Gurpurneet Kaur, Sandeep Singh Gill, Munish Rattan</b>	Whale Optimization Algorithm Approach for Performance Optimization of Novel Xmas Tree-Shaped FinFET	Silicon	Accepted	March, 2021	International	In press	SCIE (1.499)	0
5	Nancy Ramanpreet, <b>Munish Rattan &amp; Sandeep Singh Gill</b>	Compact and Low Profile Planar Antenna with Novel Metastructure for Wearable MBAN Devices	Wireless Personal Communications	pp. 1-13	February, 2021	International	<a href="https://doi.org/10.1007/s11277-021-08182-z">https://doi.org/10.1007/s11277-021-08182-z</a>	SCIE (1.061)	0
6	<b>Chahat Jain, Balwinder Singh Dhaliwal, Rupinder Singh</b>	Flexible and Wearable patch antenna using additive manufacturing : A Framework	Encyclopedia of materials: Plastics and Polymers	Accepted (In press)	February, 2021	International	—	Elsevier	0
7	Kiranjot Kaur , <b>Munish Rattan, Manjeet Singh Patterh</b>	Optimization of a Novel Nakagami-m Fading Affected Multiuser Cognitive Radio System Using a New Hybrid DE/BBO/SA	International Journal of Sensors, Wireless Communications and Control	Vol. 10, Issue 6, pp. 1319-1337, ISSN (Print): 2210-3279 ISSN (Online): 2210-3287	February, 2021	International	10.2174/2210327910666200207115638	Scopus	0

8	Sandeep Kumar Jain, <b>Baljeet Kaur</b>	Optimal Power Transmission For Various Spectrum Sharing Approaches In Ofdm Based Cognitive Radio Network	ICTACT Journal on Communication Technology	Vol. 11, Issue 3, ISSN: 2229-6948 (ONLINE)	September, 2020	International	DOI: 10.21917/ijct.2020.0329		0
9	Pallavi Arora, <b>Baljeet Kaur</b> & Marcio Andrey Teixeira	Evaluation of Machine Learning Algorithms Used on Attacks Detection in Industrial Control Systems	Journal of The Institution of Engineers (India): Series B	—	March, 2021	International	<a href="https://doi.org/10.1007/s40031-021-00563-z">https://doi.org/10.1007/s40031-021-00563-z</a>	Scopus	0
10	Kamalpreet Kaur and <b>Baljeet Kaur</b>	Long Reach Dual Polarization 128-QAM System With Dispersion/ Nonlinear Compensation Using Optical Back Propagation	ICTACT Journal on Communication Technology	Vol.12, Issue No.02, pp. 2414-2417	June 2021,	International	DOI: 10.21917/ijct.2021.0357	UGC approved	0
11	<b>Gurjot Kaur Walia,</b> Jagroop Singh Sidhu	Image Demosaicing: A Roadmap to Peculiarity Imaging	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	Vol.12, Issue No. 11, pp 3614-3623, e-ISSN: 1309-4653	May, 2021	International	<a href="https://turcomat.org/index.php/turkbilmat/article/view/6434/5332">https://turcomat.org/index.php/turkbilmat/article/view/6434/5332</a>	Scopus	0



12	<b>Gurvir Kaur, Kuldeepak Singh, Harsimranjit Singh Gill</b>	Chaos-based joint speech encryption scheme using SHA-1	Multimedia Tools and Applications	Vol. 80, pp. 10927–10947, ISSN 1573-7721	March, 2021	International	10.1007/s11042-020-10223-x	SCIE (2.313)	0
13	<b>Ritesh Kumar Singh, Harsimranjit Singh Gill, Harminder Kaur</b>	Localization in Wireless Sensor Networks Using Improved DV-Hop Algorithm	International Research Journal of Engineering and Technology	Vol. 8, Issue 3, pp. 305-308, e-ISSN: 2395-0056, p-ISSN: 2395-0072	March, 2021	International	<a href="https://www.irjet.net/archives/V8/i3/IRJET-V8I353.pdf">https://www.irjet.net/archives/V8/i3/IRJET-V8I353.pdf</a>	Google Scholar Academia.edu, Inno Space, Issuu, slideshare, mendeley, scribid, etc.	0
14	<b>Preeti Pannu, Devendra Kumar Sharma</b>	Cordate-shaped UWB-MIMO antenna with notch band characteristic and high isolation	World Journal of Engineering	ISSN: 1708-5284	January, 2021	International	<a href="https://doi.org/10.1108/WJE-09-2020-0423">https://doi.org/10.1108/WJE-09-2020-0423</a>	Scopus	0