

# List of SCI/Scopus/Reputed Journal Publications by ECE Faculty

Session July, 2017-June, 2018

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	Refereed/ Non-Refereed	DOI	Indexing	Citations
1	Navneet Kaur, Munish Rattan, Sandeep Singh Gill	Influence of Fin Dimensions on Performance of Nanoscale Rectzoidal Bulk FinFET	Journal of Nanoelectronics and Optoelectronics	Accepted	2018	International	Refereed	Accepted	SCI/ Scopus	0
2	Sandeep Singh Gill et al.	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, American Scientific Publishers	Accepted	2018	International	Refereed	Accepted	Accepted). (SCI/Scopus indexed)	0
3	Jashanjot Kaur, Sandeep Singh Gill, Gurburneet Kaur	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, page 72-80, ISSN-2250-0588 (Online)	June 2018,	International	Refereed	<a href="http://indusedu.org/papers-ijreiss.php?id=8-Special-6-2018">http://indusedu.org/papers-ijreiss.php?id=8-Special-6-2018</a>	<a href="http://indusedu.org/indexing.php">http://indusedu.org/indexing.php</a> , (UGC approved Journal No. 42301)	0

4	Harsimranjit Singh Gill, <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	Volume 35, Issue 2, pp 141–150, ISSN: 1387-974X. (SCI/Scopus indexed)	April, 2018	International	Refereed	<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), Journal Citation Reports/Science Edition. SCOPUS	0
5	<b>Navneet Kaur, Munish Rattan, Sandeep Singh Gill</b>	Performance optimization of Broadwell-Y shaped transistor using Artificial Neural Network and Moth-Flame Optimization Technique	Majlesi Journal of Electrical Engineering	Vol 12 No 1, p- ISSN: 2345-377X	March, 2018	International	Refereed		<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)	0
6	Sanjeev Kumar, <b>Sandeep Singh Gill, Kuldeepak Singh</b>	Performance Investigation of Inter-satellite Optical Wireless Communication (IsOWC) System Employing Multiplexing Techniques	Wireless Personal Communications, Springer	Volume 98, Issue 1, pp 1461–1472, ISSN: 0929-6212.	January, 2018	International	Refereed	<a href="https://doi.org/10.1007/s11277-017-4926-4">https://doi.org/10.1007/s11277-017-4926-4</a>	(SCI/Scopus indexed)	0
7	Harsimranjit Singh Gill, <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	Volume: 9, Issue: 12, pp. 1184-1190	December, 2017	International	Refereed	10.1364/JOCN.9.001184	(SCI/Scopus indexed)	0
8	Rajneesh Kumar, Arvind Kumar, <b>Devinder Singh</b>	Elastodynamic interactions of laser pulse in microstretch thermoelastic mass diffusion medium with dual phase	Microsystem Technol	pp 1875–1884, I	April, 2018	International	Refereed	<a href="https://doi.org/10.1007/s00542-017-3568-5">https://doi.org/10.1007/s00542-017-3568-5</a>	Scopus	0

9	Rajneesh Kumar, KulvinderSingh, <b>Devinder Singh Pathania</b>	Propagation of Rayleigh waves in micropolar thermoelastic half space with impedance boundary conditions	Materials Physics and Mechanics	Vol.35, pp.115-125	2018	International	Refereed	<a href="http://www.ipme.ru/e-journals/MPM/no_13518/MPM135_14_kumar.pdf">http://www.ipme.ru/e-journals/MPM/no_13518/MPM135_14_kumar.pdf</a>	Scopus	0
10	Arvind Kumar, <b>Devinder Singh</b>	Analysis of plane deformation in thermodiffusive microstretch and micropolar media in context of GL and LS theories of thermoelasticities	Structural Integrity and Life	Vol. 18, No 1, pp. 23–30	2018	International	Refereed	<a href="http://divk.inovacionicentar.rs/ivk/ivk18/023-IVK1-2018-AK-DSP.pdf">http://divk.inovacionicentar.rs/ivk/ivk18/023-IVK1-2018-AK-DSP.pdf</a>	Scopus	0
11	Praveen Ailawalia, Sunil Kumar Sachdeva and <b>Devinder Singh Pathania</b>	Effect of mechanical force along the interface of semi-infinite semiconducting medium and thermoelastic micropolar cubic crystal	Cogent Mathematics	Vol. 4, Issue 1, pp.5-17	July, 2017	International	Refereed	<a href="https://tandfonline.com/doi/full/10.1080/23311835.2017.1347991">https://tandfonline.com/doi/full/10.1080/23311835.2017.1347991</a>	Scopus	0
12	ParveenAilawalia, Sunil Sachdeva, <b>Devinder Singh</b>	Laser pulse heating in thermomicrostretch layer overluing thermoelastic half space,	Journal of Applied Physical Science International	Vol.7, Issue 4, ISSN No. : 2395-5260 (Print), 2395-5279 (Online),	2017	International	Refereed	<a href="http://www.ikpress.org/abstract/6066">http://www.ikpress.org/abstract/6066</a>	Scopus	0

13	Pankaj Thakur, <b>Devinder Singh</b> , Gaurav Verma, Satya Bir Singh	Elastic Plastic Stress Analysis in a Spherical Shell under internal pressure and steady state temperature	STRUCTURAL INTEGRITY AND LIFE	Vol. 17, No 1 , pp. 39–43	2017	International	Refereed	<a href="http://divk.inovacioni-centar.rs/ivk/ivk17/039-IVK1-2017-PT-DSP-GV-SBS.pdf">http://divk.inovacioni-centar.rs/ivk/ivk17/039-IVK1-2017-PT-DSP-GV-SBS.pdf</a>	Scopus	0
14	Pankaj Thakur, Satya Bir Singh, <b>Devinder Singh</b> , Gaurav V	Thermal creep stress and strain analysis in non-homogeneous shell	Journal of Theoretical and Applied Mechanics	Vol.55, No.4, pp. 1155-1165, Warsaw 2017, ISSN 1429-2955	2017	International	Refereed	DOI: 10.15632/jtam-pl.55.4.1155	Scopus	3
15	<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	Refereed	DOI 10.1007/s11277-017-4157-8	Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS	0
16	Pushkar Mishra, Shayam S. Pattnaik, <b>Balwinder Singh Dhaliwal</b>	Square-Shaped Fractal Antenna under Metamaterial Loaded Condition for Bandwidth Enhancement	Progress In Electromagnetics Research C	Vol. 78, 2017, pp. 183–192	2017	International	Refereed		Elsevier's SCOPUS and Compendex now	0
17	<b>Narwant Singh Grewal, Munish Rattan</b> , Manjeet Singh Patterh	A Linear Antenna Array Failure Correction Using Improved Bat Algorithm	International Journal of RF and Microwave Computer-aided Engineering (Wiley) (Impact Factor 0.524)	Volume 27, Issue 7, pp. 1-16	September , 2017	International	Refereed	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)	0

18	<b>Narwant Singh Grewal, Munish Rattan,</b> Manjeet Singh Patterh	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	Refereed	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)	0
19	Kiranjot Kaur, <b>Munish Rattan &amp;</b> Manjeet Singh Patterh	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	Refereed	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)	1
20	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)	Volume 154, Pages 755-762	Feb-18	International	Refereed	<a href="https://doi.org/10.1016/j.ijleo.2017.10.108">https://doi.org/10.1016/j.ijleo.2017.10.108</a>	SCOPUS	0
21	<b>Taranjit Kaur,</b> Baljinder 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)	Volume 38, Issue 2, 2018, Pages 409-424	2018	International	Refereed	<a href="https://doi.org/10.1016/j.bbe.2018.02.008">https://doi.org/10.1016/j.bbe.2018.02.008</a>	SCOPUS	0

22	<b>Taranjit Kaur,</b> Baljinder 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	Volume 41, Issue 1, pp 41–58	Mar-18	International	Refereed	<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	0
23	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	Refereed	<a href="http://www.worldscientific.com/page/ijig/abstracted-indexed">http://www.worldscientific.com/page/ijig/abstracted-indexed</a>	SCOPUS	0