

FACULTY RESEARCH PUBLICATIONS

Prof S. V. Bhooshan

Book

1. Sunil Bhooshan, “Fundamentals of Engineering Electromagnetics”, *Oxford University Press*, India, and USA, 2012, ISBN-10: 0198077947 ISBN-13: 0198077947

Journal

1. Tapan Jain, Davinder Singh Saini, Sunil Vidya Bhooshan (2014). Cluster Head Selection in a Homogeneous Wireless Sensor Network Ensuring Full Connectivity with Minimum Isolated Nodes. *Journal of Sensors*, 2014 (2014), Article ID 724219-8p.
2. Meenakshi Sood, Vinay Kumar, Sunil V. Bhooshan, “ Comparison of Machine Learning Methods for prediction of epilepsy by Neurophysiological EEG signals”, *Int J Pharm Bio Sci* 2014 April; 5 (2): (B) 6 – 15 (Scopus and EMBASE Indexed) Impact factor 0.67
3. Meenakshi Sood, Vinay Kumar, Sunil V. Bhooshan, “Review of State of Art in Electrooculogram Artifact Removal from Electroencephalogram Signals,” *International Journal of Enhanced Research in Science Technology & Engineering*, Vol. 2, no. 4, pp.32-41, April-2013
4. Shruti Jain, Sunil V. Bhooshan, Pradeep K. Naik, “Model of AkT for Cell Survival/Death and its Equivalent BioCircuit”, *International Journal of Soft Computing and Engineering (IJSCE)*, 91-97, 2(3): July 2012 (ISSN : 2231-2307).
5. Shruti Jain, Sunil V. Bhooshan, Pradeep K. Naik, “Mathematical modeling deciphering balance between cell survival and cell death using Tumor Necrosis Factor α ”, *Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)*, 574-583, 2(3): , 2011, SCOPUS indexed
6. Shruti Jain, Sunil V. Bhooshan, Pradeep K. Naik, “Mathematical modeling deciphering balance between cell survival and cell death using insulin”, *Network Biology*, 1(1):46-58, 2011, (ISSN : 2220-8879).

Conference

1. Shruti Jain, Pradeep K. Naik, Sunil V. Bhooshan, “Model of Protein Kinase B for Cell Survival/Death and its Equivalent Bio Circuit ”, 2nd International Conference on Methods and Models in Science and Technology (ICM2ST-11), Jaipur, Rajasthan, India Organized by Institution of Engineers, Technocrats and Academician Network (IETAN), pp 83-87, November 19-20, 2011, <http://dx.doi.org/10.1063/1.3669936>
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Prof. D. C. Kulshreshtha

Book

1. Anil Dhiman, Poonam Dhiman, D C Kulshreshtha, “Engineering Mechanics”, *Tata McGraw Hill Education Pvt Ltd.* (Under print)

2. D C Kulshreshtha, "Basic Electrical Engineering", *Tata McGraw Hill Education Pvt Ltd.* 2012; ISBN – 978-007-132896-8.
3. N N Bhargava, D C Kulshreshtha, S C Gupta "Basic Electronics and Linear Circuits", *Tata McGraw Hill Education Pvt Ltd.* 2012; ISBN – 978-1-25-900646-3.

Dr. D. S. Saini

Journal

1. D. S Saini and M. Sood, "Fair Single code and Multi code designs for 3G and beyond CDMA System," *Wireless Pers. Commun.*, Vol. 69(1), 2013, Pp. 213-227. (Springer).
2. Bhasker Gupta, Davinder S. Saini, "A Rate MT Full Diversity STF Block Coded 4×4 MIMO-OFDM System with Reduced Complexity", *Springer Wireless Personal Communication*. DOI: 10.1007/s11277-013-1092-1, Mar. 2013..
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6. D. S Saini and N. Sharma , "Reduction in code blocking using scattered vacant codes for OVFSF based WCDMA networks", *IET Commun.*, Vol 1(7), pp. 40-48, 2013. (IET)
7. Bhasker Gupta and Davinder S Saini, "Space-Time/Space-Frequency/Space-Time-Frequency Block Coded MIMO-OFDM System with Equalizers in Quasi Static Mobile radio Channels using Higher Tap Order", *Springer Wireless Personal communication*, DOI 10.1007/s11277-012-0672-9, Published online 17 May, 2012.,
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11. Neeru Sharma and Davinder S Saini, "Code scattering and reduction in OVFSF code blocking for 3G and beyond mobile communication systems", *WSEAS Transactions on Communications*, Issue 2, Volume 11, pp. 91-101, February 2012, E-ISSN: 2224-2864, Indexed in Scopus.
12. Davinder Saini, Ankit Gupta, Aditi Joshi, "Reducing code wastage in orthogonal variable spreading factor-based wideband code division multiple access networks", *Wiley International journal of communication systems*, online: 17 NOV 2011, in press, DOI: 10.1002/dac.1374

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Dr. G. Singh

Book

1. K R Jha and G Singh, "Terahertz Planar Antennas for Next Generation Communication" Springer: Switzerland, November 2013.
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Journal

- 1 Garima Bharti, K R Jha, and **G Singh**, “A synthesis technique of single square loop frequency selective surface at terahertz frequency,” **OPTIK: International Journal for Light and Electron Optics**, vol. **125**, no. 21, pp. 6428-6435, 2014.

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Dr. Mohammad Usman

Journal

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