

**Department of Physics and Computer Science**  
**Faculty of Science**  
**Dayalbagh Educational Institute (Deemed University)**

**List of Conferences Papers 2014 – 2019**

<b>S.NO.</b>	<b>AUTHOR NAME</b>	<b>TITLE</b>	<b>CONFERENCE</b>	<b>YEAR</b>	<b>PAGE NO.</b>
1.	Komal Saxena, Zeeshan, Mridul Kumar, K.S. Daya, Anirban Bandyopadhyaya	Detection of Milimeter Wave Properties of Beta Amyloid using Dielectric Filled Truncated Cylindrical Waveguide	URSI Asia-Pacific Radio Science Conference (AP- RASC), New Delhi, India	2019	1-4
2.	Urvashi, K.S. Daya, Prem Saran Tirumalai, Martina Baum, Rainer Adelung,	Understanding the Interaction of Escherichia coli with ZnO Tetrapods at Microwave Frequencies	URSI Asia-Pacific Radio Science Conference (AP- RASC), New Delhi, India	2019	5-8
3.	Ashima Gupta, Sanjay Saini	Enhanced Solutions for Capacitated Vehicle Routing Problem using Ant Colony Optimization	International Conference on Advances in Science, Technology and Engineering (ICAST) Thane Mumbai	2018	9
4.	Dhruv Bhandari, Sandeep Paul	Perception Net: A Multimodal Deep Neural Network for Machine Perception	IEEE Symposium Series on Computational Intelligence (SSCI), Bangalore, India,	2018	10-17

5.	N. Gupta, H. Bansal and S. Roy	Optimization of High Frequency Red-shifted Optogenetics Control of Neuronal Firing	14 th International Conf. on Fiber Optics and Photonics	2018	61
6.	H. Bansal, N. Gupta, S. Saran and S. Roy	Low-power, Ultrafast and High-Fidelity Optical Excitation of Chronos- expressing Neurons	14 th International Conf. on Fiber Optics and Photonics	2018	62
7.	H. Bansal, N. Gupta and S. Roy	Conditions for Sustaining Optogenetics Control of Neuronal Firing in Red-shifted vf-chrimson expressing neurons upto 1 KHz	International Conf. on Neuroscience	2018	63
8.	S. Saran, N. Gupta, H. Bansal and S. Roy	Low-Power, Ultrafast and High-Fidelity Optical Excitation of Chronos-Mediated Neuronal Firing	International Conf. on Neuroscience	2018	64
9.	Ashima Gupta, Sanjay Saini	An Enhanced Ant Colony Optimization Algorithm for Vehicle Routing Problem with Time Windows	Ninth International Conference on Advanced Computing (ICoAC), Chennai, India	2017	18

10.	Soniya Sandeep Paul Lotika Singh	A Hybrid Evolutionary Approach with Dissimilarity based Bit-Flip Operation for Filter Estimation in Convolution Neural Network	National System Conference (NSC)	2017	19-24
11.	H. Bansal, S. Roy and J.N. Srivastava	Fungicidal Response of a Novel Natural Photosensitizer (Beta vulgaris) on Candida Albicans with Low-power Laser Radiation	78 th Autumn Meeting of Japan Society for Applied Physics	2017	65
12.	N. Gupta, S. Saran and S. Roy	Ultrafast Optogenetics Control of Neuronal Firing with Chronos	78 th Autumn Meeting of Japan Society for Applied Physics	2017	66
13.	Komal Saxena, K.S. Daya	Theoretical analysis of matched impedance concentric square ring doubly negative material at microwave frequency	IEEE Region 10 Humanitarian Technology Conference (R10-HTC), Agra, India	2016	25
14.	Mohit Agarwal, Gur Mauj Saran Srivastava	A Cuckoo Search Algorithm-Based Task Scheduling in Cloud Computing	International Conference on Computers, Communications and Computations	2016	26-33

15.	Mohit Agarwal, Gur Mauj Saran Srivastava	A genetic algorithm inspired task scheduling in cloud computing	International Conference on Computing, Communication and Automation (ICCCA)	2016	34-38
16.	Sanjay Saini, Prem Sewak Sudhish	Swarm Consciousness - An Emergent Property of The Swarm of Self-Organized Conscious Agents	The Science of Consciousness (TSC)	2016	39
17.	Soniya, Sandeep Paul, Lotika Singh	Heterogeneous modular deep neural network for diabetic retinopathy detection	IEEE Region 10 Humanitarian Technology Conference (R10-HTC)	2016	40-45
18.	Soniya, Sandeep Paul, Lotika Singh	A review on advances in deep learning	IEEE Workshop on Computational Intelligence: Theories, Applications and Future Directions (WCI)	2015	46-51
19.	C.M. Markan, Satendra Gupta, Goutam Kumar, Priti Gupta, Sajal Mittal	Brain Interfaced Remote Laboratory-A Novel BCI Application for Inclusive Education	IEEE Int. Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, Ottawa, ON, Canada	2014	52

20.	Maneet Singh, Sanjay Saini	Optimization of Complex Mathematical Functions Using a Novel Implementation of Intelligent Water Drops Algorithm	Advances in Intelligent Systems and Computing, Springer, New Delhi	2014	53
21.	Roli Bansal, Hina Agrawal, Hifza Afaq, Sanjay Saini	Implementation of Intelligent Water Drops Algorithm to Solve Graph-Based Travelling Salesman Problem	Advances in Intelligent Systems and Computing, New Delhi	2014	54
22.	Viney Sharma, Gur Mauj Saran Srivastava	Energy efficient architectural framework for virtual machine management in IaaS clouds.	Sixth International Conference on Contemporary Computing (IC3)	2013	55-60
23.	P. Sethi, S. Roy	All-Optical Ultrafast Adder/ Subtractor and MUX/DEMUX Circuits with Silicon Microring Resonators	Proc. 4th International Optical Supercomputing	2013	67-72
24.	S. Roy and C. Yadav	All Optical Ultrafast Switching and Logic with Bacteriorhodopsin Protein	Proc. 4th International Optical Supercomputing	2013	73-77