

Dr. Sangeeta Dhall

Assistant Professor, Department of Electronics Engineering

J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana (India)

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Profile Summary

Experienced academician with over 20 years of teaching and research expertise in network security, cryptography and embedded systems. Published over 25 research papers in reputed SCIE and Scopus-indexed journals and conferences, actively involved in university activities, student mentorship, and academic research.

Education

Ph.D. in Information Security (2024)	J.C. Bose University of Science and Technology, YMCA, Faridabad
M.Tech in Electronics & Instrumentation (2012-2015)	J.C. Bose University of Science and Technology, YMCA
B.Tech in Instrumentation & Control (1999)	REC Jalandhar

Teaching Experience

- ✚ Assistant Professor, J.C. Bose University of Science and Technology, YMCA
January 2007 – Present
Subjects: Microprocessors, Microcontrollers, Digital System Design, Embedded System Design, Digital Electronics
- ✚ Lecturer, JMIT Radaur, Yamunanagar
November 1999 – January 2007

Research & Publications

Published over 25 research papers in SCIE, Scopus, and UGC-indexed journals and conferences.

Professional Affiliations

- ✚ Life Member of The Indian Society for Technical Education (ISTE)
- ✚ Member of the Institute of Engineers (India)

University Contributions

- ✚ Coordinator of various student clubs and events under the Dean of Student Welfare (DSW)
- ✚ Reviewer for several renowned journals, ensuring high-quality publications
- ✚ Member of key academic and research committees within the university

Contact Information

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Sangeeta Dhall

<u>S.No</u>	<u>Author's Name</u>	<u>Year</u>	<u>Title</u>	<u>Name of the journal /conference</u>	<u>Publisher / organizer</u>	<u>Vol. And issue / Date of Conference</u>	<u>ISSN Number</u>	<u>Page Number</u>	<u>Type</u>
1(p1) 6452 9	Swati Malik, Sangeeta Dhall	2012	Implementation of MAC unit using booth multiplier & ripple carry adder	International Journal of Applied Engineering Research	Research India Publications	Vol.7 No.11	0973-4562	1544-1546	UGC
2(p2) 4901 6	Shailender Gupta, Bharat Bhushan, Sangeeta Sardana, Neelam Malik	2013	Towards Realistic Performance Evaluation of Delay Tolerant Network	International Journal of Advanced Science and Technology	SERSE	Vol. 54 ,May, 2013	2005-4238	39-47	UGC
3(p4)	Sangeeta Dhall, Bharat Bhushan,Shailender Gupta	2015	An In depth analysis of various steganography techniques	International Journal of Computer Network and Application	SERSE	Vol. 9, No. 8	1738-9976	pp.67-94	No
4(p5)	Sangeeta Dhall, Bharat Bhushan,Shailender Gupta	2016	An Improved Hybrid Mechanism for secure data comm.	International Journal of Computer Network and Information Security	MECS Publishers	Vol.8, No. 6,June 2016	2074-9104	pp.67-78	SCOPUS
5(p6)	Neha Tayal, Sangeeta Dhall, Shailender Gupta	2016	A Robust Hybrid Steganography Mechanism for security in data comm. Network	International Journal of Computer Network and	Ever Science Publications	Vol.3,Issue 3	2395-0455	pp.44-56	No

				Application					
6(p7) 3174 0	Neha Tayal1 &Ritesh Bansal 1 & Sangeeta Dhal1 & Shailender Gupta1	2016	A novel hybrid security mechanism for data communication networks	Multimedia Tools and Applications	Springer US Springer Science+B usiness Media New York 2016	s11042- 016-4111-x, Nov. 2016 Volume 76, <u>Issue 22</u> ,	1380-7501	pp 1–28 pp 24063– 24090	SCI E
7 (p8)	Neha Tayal & Ritesh Bansal & Shailender Gupta & Sangeeta Dhall	2016	Analysis of various cryptography techniques: A survey	International Journal of security and its Applications	SERSE	Vol. 10, No. 8	1738-9976	pp. 59-92	SCO PUS
8. (p9)	Karishma Rao, Archana Agarwal, Sangeeta Dhall, Shailender Gupta, Prem Chand Vashis t	June, 2018	A Novel Hybrid Contrast Enhancement Technique	3D Display Research	3D Research Center	Volume 9, Issue 3 Volume 9 Issue 3, September 2018 Article No. 178	Online ISSN 2092- 6731	pp. 1-13 DOI https://doi. org/10.100 7/s13319- 018-0178-7	ESC I, SCO PUS
9. (p10)	Gaurav Sharma, Shailender Gupta, Sangeeta Dhall, CK Nagpal	June, 2018	Publicly verifiable watermarking scheme for intellectual property protection using quantum Chaos and bit plane complexity slicing	Multimedia tools and applications	Springer US	Volume 77, Issue 24	ISSN- 1380- 7501, Online ISSN 1573- 7721	1-26 (31737– 31762	SCI E

10. (p11)	Niharika Singh, Ashima Arora, Sahil Kasana, Sangeeta Dhall, Shailender Gupta	March , 2018	Analysis of Fog Removal Techniques	International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE)		Volume: 4 Issue: 3	ISSN: 2454-4248	299 – 304 [16-17 th FEB, 2018]	NO
11. (p12)	Bhavna Chauhan, Sangeeta Dhall and Shailender Gupta	January, 2018	Performance Evaluation of Spatial and Frequency Domain Techniques under Various Attacks	International Journal of Signal Processing, Image Processing and Pattern Recognition	Serese	Vol. 11, No. 1 (2018)	2005-4254	1-22	SCOPUS
12. (p13) 4772 1	Anshul Chopra, Sangeeta dhall, Shailender Gupta	April, 2018	Improved hybrid watermarking Technique	IJARSE [ICT Globalization and automation-2018]	IIMT college of Engineering, Greater Noida	Vol. 7, Special Issue 5	ISSN(O): 2319-8354 [12-13 April, 2018]	pp. 6-13	NO
13. (p14)	Rinku Sharma, Reema Ganotra, Sangeeta Dhall, Shailender Gupta	September, 2018	Performance Comparison of Steganography Techniques	International Journal of Computer Network and Information Security	MECS Impact factor 0.726	Vol. 10, Issue 9 ISSN: 2074-9104 (Online)	DOI: 10.5815/ij cnis.2018. 09.04 ISSN:207 4- 9104(online)	pp. 37-46	SCOPUS
14 (p15)	Anshul Chopra, Shailender Gupta, Sangeeta Dhall	02 September, 2019	Analysis of frequency domain watermarking techniques in presence of geometric	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-019-08087-7	Online ISSN 1573- 7721	Vol 79, Pp 501-554	SCIE

			and simple attacks			x	Print ISSN 1380- 7501		
15 (p16)	Sangeeta Dhall, Rinku Sharma, Shailender Gupta,	14 Nove mber, 2019	A Multi-Level Steganography Mechanism Using Quantum Chaos Encryption	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-019-08223-7	Online ISSN 1573- 7721 Print ISSN 1380- 7501	Pp 1-26, 1987–2012	SCI E
16	Pooja Yadav, Sangeeta Dhall	Augus t, 2020	Comparative Analysis of Steganography Technique for Information Security	I. J. Mathematical Sciences and Computing	MECS	Vol. 6, No. 4	DOI: 10.5815/ij MSC.2020 .04.05	42-69	NO
17	Anjali Malik, Shailender Gupta, Sangeeta Dhall,	30 July, 2020	Analysis of Traditional and Modern Image Encryption Algorithms under Realistic Ambience	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-020-09279-6	Online ISSN 1573- 7721 Print ISSN 1380- 7501	PP=1-53 27941– 27993, volume-79	SCI E
18	Anjali Malik Sangeeta Dhall, Shailender Gupta,	30 Octob er, 2020	An improved bit plane image encryption technique using RC4 and quantum chaotic demeanour	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-020-09973-5 .	Online ISSN 1573- 7721 Print ISSN	Pp=1-27 7911–7937, volume-80	SCI E

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19	Priya Panwar, Sangeeta Dhall, Shailender Gupta	31 October, 2020	A multilevel secure information communication model for healthcare systems	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-020-10083-5	Online ISSN 1573-7721 Print ISSN 1380-7501	Pp=1-24 8039–8062, volume-80	SCI E
20	Sangeeta Dhall, Shailender Gupta	14 February, 2021	Multilayered Highly Secure Authentic Watermarking Mechanism for Medical Applications	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-021-10531-w	Online ISSN 1573-7721 Print ISSN 1380-7501	Pp- 1-48, 18069- 18105, volume-80	SCI E
21	Sangeeta Dhall, Shailender Gupta	27 th May, 2022	Quantum-based robust and swift hybrid security mechanism	Multimedia tools and applications	Springer US	https://doi.org/10.1007/s11042-022-13244-w	Online ISSN 1573-7721 Print ISSN 1380-7501	Pp- 43727– 43752, volume-81, issue 30	SCI E
22	Om Dev Singh, Sangeeta Dhall,	06 October	A robust and secure immensely random GAN-	Multimedia Tools and Applications,	Springer Nature,	https://doi.org/10.1007/	Online ISSN		SCI E

	Anjali Malik & Shailender Gupta, Pp 1-51	er 2022	based image encryption mechanism			s11042- 022-14000- w	1573- 7721 Print ISSN 1380- 7501		
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