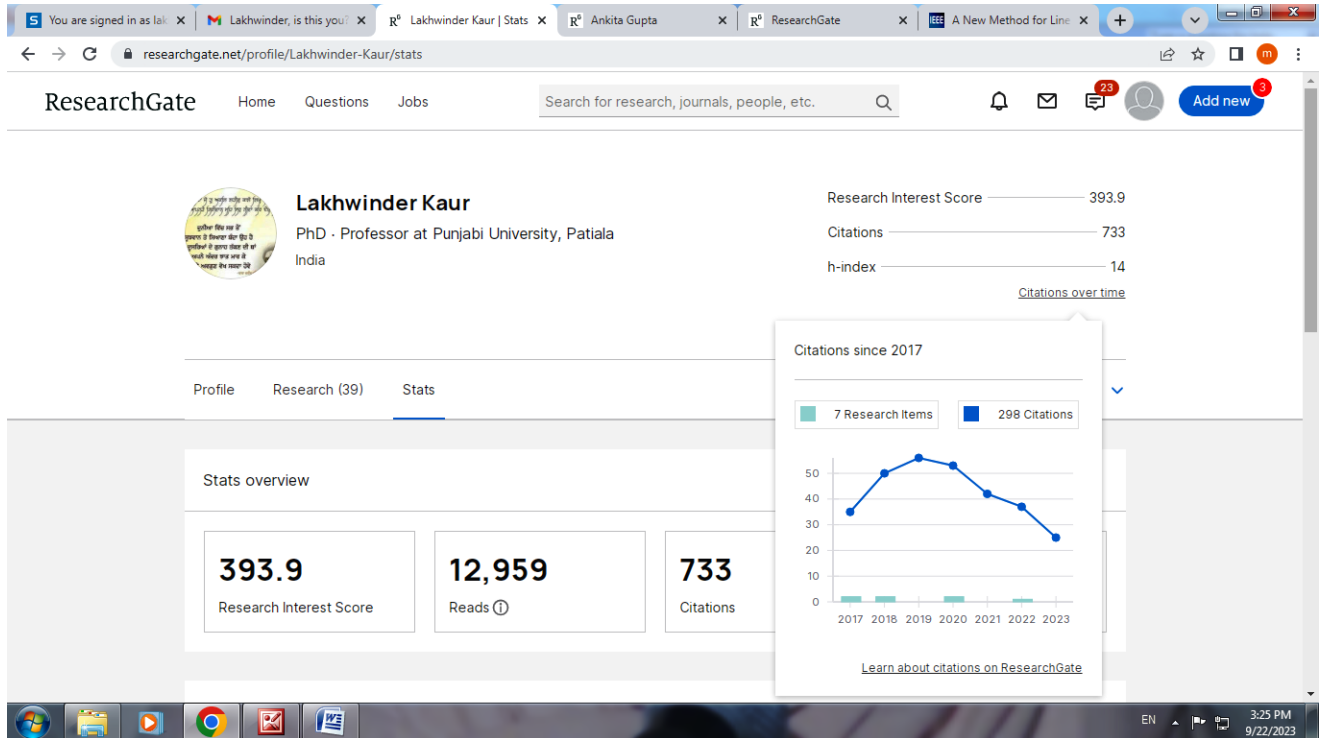


Profile

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 Teaching Experience : 31 YEARS

	Designation	Institute/University	Period	Experience Period
1	Lecturer	SLIET, Longowal (Pb.)	7 th sept 1992 – 8 th Oct. 2002	10 years, 1 month
2	Assistant Professor	SLIET, Longowal (Pb.)	9/10/2002-31 Dec. 2005	3 years, 2 month 20 days
3	Associate Professor	SLIET, Longowal (Pb.)	1 Jan. 2006 – 11 Jan. 2007	1 year 10 days
4	Reader	Punjabi University Patiala (Pb.)	12 Jan. 2007 – sept 2009	4 years
5	Professor	Punjabi University Patiala (Pb.)	Oct. 2009 - todate	13 years 11 months



Research Publications in Journals

S.No.	Title with Journal details
1.	L. Kaur, R. C. Chauhan, and S. C.Saxena, "Space-Frequency Quantizer Design for Ultrasound Image Compression based on Minimum Description Length Criterion" IEE Jr. of International Federation for Medical & Biological Engineering, vol. 43, pp. 33-39, 2005.
2.	L. Kaur, R. C. Chauhan, and S. C.Saxena, "Performance Improvement of the SPIHT Coder based on the Statistics of Medical Ultrasound Images in Wavelet domain" Taylor & Francis Jr. of Medical Engg. and Technology (JMET), vol. 29, no. 3, pp. 297-301, Dec. 2k5.
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9.	On Reliability analysis of Fault tolerant Multistage Interconnection networks, pages 1-8. International journal of computer Science and security, vol. 2, no. 4, 2008. ISBN/ISSN no. 1985-1553
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11	“Analysis of Intrusion Detection Tools for Wireless Local Area Networks”, pp. 168-177. IJCSNS International Journal of Computer Science and Network Security, VOL.9 No.7, July 2009. ISSN : 1738-7906.
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23	“Enhanced K-Mean Clustering Algorithm for Liver Image Segmentation to Extract Cyst Region”, IJCA Special Issue on Novel Aspects of Digital Imaging Applications (DIA) (1):59–66, 2011. ISBN/ISSN no. 978-93-80865-47-9.
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29	G. Deep, L. Kaur, and S. Gupta, “Lung Nodule Segmentation in CT Images using Rotation Invariant Local Binary Pattern” ACEEE International Journal on Signal & Image Processing, Vol. 4, No. 1, Jan 2013.
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63	Amrita Kaur, Lakhwinder Kaur and Ashima Singh, “State-of-the-Art Segmentation Techniques and Future Directions for Multiple Sclerosis Brain Lesions”, Journal of Archives of Computational Methods in Engineering , May2021, Vol. 28 Issue 3, p951-977. [SCIE, Impact factor: 7.3]
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Conference proceedings

S.No.	Title with Details of conference Publications
1.	Lakhwinder Kaur, R. C. Chauhan “New Technique for Faster Generation of Mandelbrot set”, Proc. of IEEE conf. on Communications, Computers and devices at IIT Kharagpur ICCCD-2000.
2.	S. Gupta, L. Kaur, S. C. Saxena, “Image Denoising Using Adaptive Thresholding in Wavelet domain”, 4th EURASIP International Conference on Video / Image Processing and Multimedia Communications 2-5 July 2003, Zagreb, Croatia (IEEE sponsored)
3.	L. Kaur, S.C. Saxena, “Compression of Ultrasound images using Wavelet Transform and Vector Quantization “ IEEE conf. on EMBS, JAPAN, 2k3.
4.	S. Gupta, L. Kaur, S. C. Saxena, “Speckle Reduction in Medical Ultrasound Images via Maximum A Posteriori Estimation of Wavelet Coefficients using Rayleigh Model for Speckle”, (Accepted). IEEE-ICPR Conf. on Pattern Recognition, UK, 2004
5.	S. Gupta, L. Kaur, S. C. Saxena, “A Spatially Adaptive Wavelet Thresholding Technique for Speckle Reduction in Medical Ultrasound Images based on Nakagami Speckle Model” IEEE-ICME conf. on Multimedia & Expo, Taiwan, 2004
6.	“A Modified EZW Image Coder for Medical Ultrasound Images”, IEEE conference CERA-2005, IIT Roorkee.
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8.	L. Kaur, “Thresholding Technique for Reducing Blocking Artifacts from the DCT Compressed Natural Images”, International Conference on Wireless Networks and Embedded System’ (WECON - 2008) at Chitkara Institute of Engg. & Tech., Rajpura, pp. 389-393, 18-19 Oct. 2008.
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10	A New Method for Line Segmentation of Handwritten Hindi Text, Proceedings of Seventh IEEE International Conference on Information Technology at USA, pp.392-397, ISBN: 978-0-7695-3984, 12-14 April 2010
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16	“A Consistent System Availability Framework in Computing Grid” Int. Conf. on Advance Computing, Networking and Security (Adcons-11). NIT-Karnatka.16-18, December 2011.
17	Performance Improvement of LDA and PCA algorithms for Image Recognition International Conf. Electrical Engineering and Computer Science, June 9, 2012 at Chandigarh.
18	Naresh Kumar Garg, Lakhwinder Kaur and M. K. Jindal, “Problems in segmentation of lower modifiers in Handwritten Hindi Text”, National conference NCITSLR 2012, held at Punjab University Regional Centre, Muktsar.
19	N Singh, L Kaur, “Automated Segmentation of Blood Vessels for Detection of Proliferative Diabetic Retinopathy”, Proceedings of the IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI 2012), pp. 232-235, China, 2-7 Jan 2012
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23	S. Sran, J. Singh, L. Kaur, S. Singh, A survey on data aggregation protocols in Wireless Sensor Network, Third International Conference on Biomedical Engineering and Assistive Technologies (BEATS - 2014), 13-14 Feb, 2014.
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29	Mandeep Kaur and L. Kaur, "Concealed weapon detection from Images using SIFT and SURF", ", 3 rd IEEE International Conference on Innovations in Information, Embedded, and communication systems at Coimbatore Mar. 17-18, 2016 (presentation Thru Skype)
30	Mandeep Kaur and L. Kaur, "A Survey of Concealed weapon detection Techniques from Images", IEEE International Conference on Engg. And Technology at Coimbatore Mar. 17-18, 2016 (presentation Thru Skype)
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32	Madan Lal , Lakhwinder Kaur, 'De-speckling of B-Mode Breast Ultrasound Images Using Wavelet shrinkage filters: A Comparative Analysis', paper presented at International Conference on Recent Trends in Computing-2016, organized by Department of Computer Engineering, Punjabi University, Patiala.
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37	Amrita Kaur, Lakhwinder Kaur, "FP-MMR: A Framework for the Preprocessing of Multimodal MR Images", International Conference on Information and Communication Technology for Intelligent Systems Ahemdabad, 15-16th May 2020.
38	A Kaur, N Kanwal, L Kaur, "A Comparative Review of Various Techniques for Image Splicing Detection and Localization", Proceedings of First International Conference on Computing, Communications, May 2020
39	G Singla, S Gupta, L Kaur, "QTM: Quality aware improved TOPSIS method for routing in MANETs", IEEE 2nd International Conference on Advances in Computing, Communication Control and Networking (ICACCCN), 18-19 Dec. 2020

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41	R Singh, L Kaur, “Magnetic Resonance Image Denoising using Patchwise Convolutional Neural Networks”, 2021 8th International Conference on Computing for Sustainable Global ...

Books/Book chapter Published

S.No.	Title with page nos.	Type of book and authorship	Publisher & ISBN/ISSN no.
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2	A systematic Approach to Software Engg., pages 646.	Text book, Lakhwinder Kaur, Savita Gupta, Jatinder Singh,	ISBN: 81-89253-84-0, Paragon International Publisher, 2009
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