

Prof Parveen Kumar Lehana

PUBLICATIONS LIST 2018 to 2023

1	N. Sandotra, P. Mahajan, P. Abrol, and P. K. Lehana, "Analyzing performance of deep learning models under the presence of distortions in identifying plant leaf disease," <i>International Journal of Informatics and Communication Technology (IJ-ICT)</i> , vol. 12, no. 2, p. 115, Aug. 2023, doi: 10.11591/ijict.v12i2.pp115-126.	NA
2	N. Karlupia, P. Mahajan, P. Abrol, and P. K. Lehana, "A genetic algorithm based optimized convolutional neural network for face recognition," <i>International Journal of Applied Mathematics and Computer Science</i> 33 (1), 21-31, 2023.	2.157
3	A. Abrol, N. Kapoor, and P. K. Lehana, "Identification and classification of schizophrenic speech using convolutional neural network for medical healthcare," <i>International Journal of Medical Engineering and Informatics</i> 15 (6), 540-548, 2023.	0.168
4	P. Mahajan, N. Karlupia, P. Abrol, and P. K. Lehana, "Analyzing Performance of Masked R-CNN Under the Influence of Distortions," <i>Lecture Notes in Networks and Systems</i> , pp. 339–351, 2023, doi: 10.1007/978-981-99-2602-2_26.	NA
5	P. K. Lehana, Chaahat, A. Abrol, P. Rajput, and Parul, "Machine Learning for Rural Healthcare," <i>Swarm Intelligence and Machine Learning</i> , pp. 71–94, Jul. 2022, doi: 10.1201/9781003240037-5.	NA
6	P. Rajput and P. K. Lehana, "Automatic Control of Microfluidic Flow Using Natural Hydrogels," <i>Indian Journal of Science and Technology</i> , vol. 15, no. 23, pp. 1151–1158, Jun. 2022, doi: 10.17485/ijst/v15i23.52.	NA
7	A. Abrol, N. Kapoor, and P. K. Lehana, "Fractal-Based Speech Analysis for Emotional Content Estimation," <i>Circuits, Systems, and Signal Processing</i> , vol. 40, no. 11, pp. 5632–5653, May 2021, doi: 10.1007/s00034-021-01737-2.	2.3
8	P. Mahajan, N. Karlupia, P. Abrol, and P. K. Lehana, "Identifying COVID-19 Pneumonia using Chest Radiography using Deep Convolutional Neural Networks," 2021 62nd International Scientific Conference on Information Technology and Management Science of Riga Technical University (ITMS), Oct. 2021, doi: 10.1109/itms52826.2021.9615328.	NA
9	Chaahat, N. Kumar Gondhi, and P. Kumar Lehana, "An Evolutionary Approach for the Enhancement of Dermatological Images and Their Classification Using Deep Learning Models," <i>Journal of Healthcare Engineering</i> , vol. 2021, pp. 1–13, Jul. 2021, doi: 10.1155/2021/8113403.	3.822

10	P. Mahajan, V. Jakhetiya, P. Abrol, P. K. Lehana, B. N. Subudhi, and S. C. Guntuku, "Perceptual Quality Evaluation of Hazy Natural Images," IEEE Transactions on Industrial Informatics, vol. 17, no. 12, pp. 8046–8056, Dec. 2021, doi: 10.1109/tii.2021.3065439.	11.648
11	Akshita Abrol, Nisha Kapoor, and Parveen Kumar Lehana, "Parametric Analysis of Schizophrenic Speech," International Journal of Scientific and Technical Advancements, Volume 6, Issue 4, pp. 121-124, 2021.	NA
12	Priti Rajput and Parveen Kumar Lehana, "Fabrication of Smart Bandage Structure," International Journal of Scientific and Technical Advancements, Volume 6, Issue 4, pp. 111-114, 2020.	NA
13	P. Mahajan, P. Abrol, P. K. Lehana "Scene Based Classification of Aerial Images using Convolution Neural Networks," Journal of Scientific & Industrial Research, vol. 79, no. 12, Dec. 2020, doi: 10.56042/jsir.v79i12.36671.	NA
14	C. Gupta, N. K. Gondhi, and P. K. Lehana, "Gray Level Co-Occurrence Matrix (GLCM) Parameters Analysis for Pyoderma Image Variants," Journal of Computational and Theoretical Nanoscience, vol. 17, no. 1, pp. 353–358, Jan. 2020, doi: 10.1166/jctn.2020.8674.	0.173
15	P. Mahajan, P. Abrol, and P. K. Lehana, "Effect of Blurring on Identification of Aerial Images Using Convolution Neural Networks," Proceedings of ICRIC 2019, pp. 469–484, Nov. 2019, doi: 10.1007/978-3-030-29407-6_34.	NA
16	J. B. Singh and P. K. Lehana, "Emotional speech analysis using harmonic plus noise model and Gaussian mixture model," International Journal of Speech Technology, vol. 22, no. 3, pp. 483–496, Aug. 2018, doi: 10.1007/s10772-018-9549-y.	0.394
17	C. Gupta, N. K. Gondhi, and P. K. Lehana, "Analysis and Identification of Dermatological Diseases Using Gaussian Mixture Modeling," IEEE Access, vol. 7, pp. 99407–99427, 2019, doi: 10.1109/access.2019.2929857.	3.476
18	P. Rajput and P. Lehana, "Investigations of the Approximate Percentage of Noise Required to Perceive Hindi Phonemes using HNM," Indian Journal of Science and Technology, vol. 12, no. 15, pp. 1–14, Apr. 2019, doi: 10.17485/ijst/2019/v12i15/116614.	NA
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20	R. Singh, A. Kumar, and P. K. Lehana, "Comparing the Imitating Capabilities of Parrots and Crows with Human Beings Using COMSOL Multiphysics," Current Science, vol. 114, no. 11, p. 2343, Jun. 2018, doi: 10.18520/cs/v114/i11/2343-2352.	1.69

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22	J. B. Singh and P. K. Lehana, "Separation of PCG signal from Mixture of Speech and PCG Signals with Genetic Algorithm-Based Filter Banks," 2018 5th International Conference on Signal Processing and Integrated Networks (SPIN), Feb. 2018, doi: 10.1109/spin.2018.8474161.	NA
23	Preeti Digra, Pawanesh Abrol, Parveen Lehana, "Design and Development of Distributed Image Acquisition and Recording System for Network Based Applications," <i>International Journal of Scientific and Technical Advancements</i> , Volume 4, Issue 3, pp. 1-8, 2018.	NA