

## REFERENCES

- [1] L. Zhao, L. Zhi, C. Zhao, and W. Zheng, "Fire-YOLO: A Small Target Object Detection Method for Fire Inspection," *Sustainability*, vol. 14, no. 9, pp. 4930, 2022, doi: 10.3390/su14094930.
- [2] Pu Li and Wangda Zhao, "Image fire detection algorithms based on convolutional neural networks," *Case Studies in Thermal Engineering*, vol. 19, 2020, doi: 10.1016/j.csite.2020.100625.
- [3] F. Saeed, A. Paul, K. Kumar, A. Nayyar, P. Karthigaikumar, and M. Tools, "Convolutional neural network based early fire detection," *Springer*, vol. 79, no. 13–14, pp. 9083–9099, Apr. 2020, doi: 10.1007/s11042-019-07785-w.
- [4] Z. Liu, W. Q. Yan and M. L. Yang, "Image denoising based on a CNN model," *2018 4th International Conference on Control, Automation and Robotics (ICCAR)*, Auckland, New Zealand, pp. 389-393, 2018, doi: 10.1109/ICCAR.2018.8384706.
- [5] K. Preethi and K. S. Vishvakshnan, "Gaussian Filtering Implementation and Performance Analysis on GPU," *2018 International Conference on Inventive Research in Computing Applications (ICIRCA)*, Coimbatore, India, pp. 936-939, 2018, doi: 10.1109/ICIRCA.2018.8597299.
- [6] P. Barmpoutis, K. Dimitropoulos, K. Kaza and N. Grammalidis, "Fire Detection from Images Using Faster R-CNN and Multidimensional Texture Analysis," *ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, Brighton, UK, pp. 8301-8305, 2019, doi: 10.1109/ICASSP.2019.8682647.
- [7] X. Wang, S. Yin, K. Sun, H. Li, J. Liu, and S. Karim, "GKFC-CNN: Modified Gaussian kernel fuzzy C-means and convolutional neural network for apple segmentation and recognition," *Journal of Applied Science and Engineering*, pp. 555-561, 2020, doi: 10.6180/jase.202009\_23(3).0020.
- [8] A. Abdusalomov and T. K. Whangbo, "Detection and Removal of Moving Object Shadows Using Geometry and Color Information for Indoor Video Streams," *Applied Sciences*, vol. 9, no. 23, p. 5165, 2019, doi: 10.3390/app9235165.
- [9] B. Zhang, L. Sun, Y. Song, W. Shao, Y. Guo, and F. Yuan, "DeepFireNet: A real-time video fire detection method based on multi-feature fusion," *Mathematical Biosciences and Engineering*, vol. 17, no. 6, pp. 7804-7818, 2020, doi: 10.3934/mbe.2020397
- [10] A. B. Abdusalomov, M. Mukhiddinov, A. Kutlimuratov, and T. K. Whangbo, "Improved Real-Time Fire Warning System Based on Advanced Technologies for Visually Impaired People," *Sensors*, vol. 22, no. 19, p. 7305, 2022, doi: 10.3390/s22197305.
- [11] Z. Liu, W. Q. Yan and M. L. Yang, "Image denoising based on a CNN model," *2018 4th International Conference on Control, Automation and Robotics (ICCAR)*, Auckland, New Zealand, pp. 389-393, 2018, doi: 10.1109/ICCAR.2018.8384706.
- [12] Devi, T. G., Patil, N., Rai, S., & Philipose, "Gaussian Blurring Technique for Detecting and Classifying Acute Lymphoblastic Leukemia Cancer Cells from Microscopic Biopsy Images", *Life*, vol. 13, no. 2, 2023, doi: 10.3390/life13020348
- [13] P. He, H. Li and H. Wang, "Detection of Fake Images Via The Ensemble of Deep Representations from Multi Color Spaces," *2019 IEEE International Conference on Image Processing (ICIP)*, Taipei, Taiwan, pp. 2299-2303, 2019, doi: 10.1109/ICIP.2019.8803740.
- [14] M. Rezaei, E. Ravanbakhsh, E. Namjoo and M. Haghghat, "Assessing the Effect of Image Quality on SSD and Faster R-CNN Networks for Face Detection," *2019 27th Iranian Conference on Electrical Engineering (ICEE)*, Yazd, Iran, pp. 1589-1594, 2019, doi: 10.1109/IranianCEE.2019.8786526.
- [15] P. Sharma, Y. P. S. Berwal, and W. Ghai, "Performance analysis of deep learning CNN models for disease detection in plants using image segmentation," *Information Processing in Agriculture*, vol. 7, no. 4, pp. 566-574, 2020, doi: 10.1016/j.inpa.2019.11.001.
- [16] D. J. Hemanth, O. Deperlioglu, and U. Kose, "An enhanced diabetic retinopathy detection and classification approach using deep convolutional neural network," *Neural Comput Appl*, vol. 32, no. 3, pp. 707–721, Feb. 2020, doi: 10.1007/S00521-018-03974-0.
- [17] C. Cao et al., "An Improved Faster R-CNN for Small Object Detection," *IEEE Access*, vol. 7, pp. 106838-106846, 2019, doi: 10.1109/ACCESS.2019.2932731.
- [18] Y. Ren, C. Zhu, and S. Xiao, "Small object detection in optical remote sensing images via modified Faster R-CNN," *Applied Sciences*, Switzerland, vol. 8, no. 5, May. 2018, doi: 10.3390/APP8050813.
- [19] A. Younis, L. Shixin, S. Jn, and Z. Hai, "Real-Time Object Detection Using Pre-Trained Deep Learning Models MobileNet-SSD," in *Proceedings of 2020 6th International Conference on Computing and Data Engineering (ICCD E '20)*, Association for Computing Machinery, New York, NY, USA, pp. 44–48, 2020, doi: 10.1145/3379247.3379264.
- [20] R. Padilla, S. L. Netto and E. A. B. da Silva, "A Survey on Performance Metrics for Object-Detection Algorithms," *2020 International Conference on Systems, Signals and Image Processing (IWSSIP)*, Niteroi, Brazil, pp. 237-242, 2020, doi: 10.1109/IWSSIP48289.2020.9145130.