

- [5] G. W. Lindsay, "Convolutional Neural Networks as a Model of the Visual System: Past, Present, and Future," *J. Cogn. Neurosci.*, vol. 33, no. 10, pp. 2017–2031, Sep. 2021, doi:10.1162/jocn_a_01544.
- [6] B. Tugrul, E. Elfatimi, and R. Eryigit, "Convolutional Neural Networks in Detection of Plant Leaf Diseases: A Review," *Agriculture*, vol. 12, no. 8. 2022. doi:10.3390/agriculture12081192.
- [7] G. Sakkarvarthi, G. W. Sathianesan, V. S. Murugan, A. J. Reddy, P. Jayagopal, and M. Elsi, "Detection and Classification of Tomato Crop Disease Using Convolutional Neural Network," *Electronics*, vol. 11, no. 21. 2022. doi:10.3390/electronics11213618.
- [8] M. Küçükdemirci, G. Landeschi, M. Ohlsson, and N. Dell'Unto, "Investigating ancient agricultural field systems in Sweden from airborne LIDAR data by using convolutional neural network," *Archaeol. Prospect.*, vol. 30, no. 2, pp. 209–219, Apr. 2023, doi:10.1002/arp.1886.
- [9] A. M. Mishra, S. Harnal, V. Gautam, R. Tiwari, and S. Upadhyay, "Weed density estimation in soya bean crop using deep convolutional neural networks in smart agriculture," *J. Plant Dis. Prot.*, vol. 129, no. 3, pp. 593–604, 2022, doi:10.1007/s41348-022-00595-7.
- [10] Y. Xie et al., "Convolutional Neural Network Techniques for Brain Tumor Classification (from 2015 to 2022): Review, Challenges, and Future Perspectives," *Diagnostics*, vol. 12, no. 8. 2022. doi:10.3390/diagnostics12081850.
- [11] P. Oza, P. Sharma, S. Patel, and P. Kumar, "Deep convolutional neural networks for computer-aided breast cancer diagnostic: a survey," *Neural Comput. Appl.*, vol. 34, no. 3, pp. 1815–1836, 2022, doi:10.1007/s00521-021-06804-y.
- [12] A. K. Sharma et al., "Dermatologist-Level Classification of Skin Cancer Using Cascaded Ensembling of Convolutional Neural Network and Handcrafted Features Based Deep Neural Network," *IEEE Access*, vol. 10, pp. 17920–17932, 2022, doi:10.1109/ACCESS.2022.3149824.
- [13] A. Kumar, A. R. Tripathi, S. C. Satapathy, and Y.-D. Zhang, "SARS-Net: COVID-19 detection from chest x-rays by combining graph convolutional network and convolutional neural network," *Pattern Recognit.*, vol. 122, p. 108255, 2022, doi:10.1016/j.patcog.2021.108255.
- [14] I. H. Sarker, "Machine Learning: Algorithms, Real-World Applications and Research Directions," *SN Comput. Sci.*, vol. 2, no. 3, pp. 1–21, 2021, doi:10.1007/s42979-021-00592-x.
- [15] M. A. Rasyidi and T. Bariyah, "Batik pattern recognition using convolutional neural network," vol. 9, no. 4, pp. 1430–1437, 2020, doi:10.11591/eei.v9i4.2385.
- [16] B. S. Negara, E. Satria, S. Sanjaya, and D. R. Dwi Santoso, "ResNet-50 for Classifying Indonesian Batik with Data Augmentation," in *2021 International Congress of Advanced Technology and Engineering (ICOTEN)*, 2021, pp. 1–4. doi:10.1109/ICOTEN52080.2021.9493488.
- [17] Y. Azhar, M. C. Mustaqim, and A. E. Minarno, "Ensemble convolutional neural network for robust batik classification," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1077, no. 1, p. 12053, 2021, doi:10.1088/1757-899x/1077/1/012053.
- [18] L. Alzubaidi et al., "Novel Transfer Learning Approach for Medical Imaging with Limited Labeled Data," *Cancers*, vol. 13, no. 7. 2021. doi:10.3390/cancers13071590.
- [19] W. Ge and Y. Yu, "Borrowing Treasures from the Wealthy: Deep Transfer Learning through Selective Joint Fine-Tuning," 2017. doi:10.1109/CVPR.2017.9.
- [20] B. Sreenivasulu, A. Pasala, and G. Vasanth, "Adaptive Inception Based on Transfer Learning for Effective Visual Recognition," *Int. J. Intell. Eng. Syst.*, vol. 13, no. 6, pp. 1–10, 2020, doi:10.22266/ijies2020.1231.01.
- [21] M. A. Iqbal Hussain, B. Khan, Z. Wang, and S. Ding, "Woven Fabric Pattern Recognition and Classification Based on Deep Convolutional Neural Networks," *Electronics*, vol. 9, no. 6. 2020. doi:10.3390/electronics9061048.
- [22] M. A. Rasyidi, R. Handayani, and F. Aziz, "Identification of batik making method from images using convolutional neural network with limited amount of data," *Bull. Electr. Eng. Informatics*; Vol 10, No 3 June 2021, 2021, doi:10.11591/eei.v10i3.3035.
- [23] Y. Harjoseputro, Y. D. Handarkho, H. Tresy, and R. Adie, "The Javanese Letters Classifier with Mobile Client- Server Architecture and Convolution Neural Network Method," vol. 13, no. 12, pp. 67–80, 2019.
- [24] M. G. Lanjewar and K. G. Panchbhai, "Convolutional neural network based tea leaf disease prediction system on smart phone using paas cloud," *Neural Comput. Appl.*, vol. 35, no. 3, pp. 2755–2771, 2023, doi:10.1007/s00521-022-07743-y.
- [25] K.-S. Lee et al., "Compressed Deep Learning to Classify Arrhythmia in an Embedded Wearable Device," *Sensors*, vol. 22, no. 5, 2022, doi:10.3390/s22051776.
- [26] Z. Al-Halah, S. K. Ramakrishnan, and K. Grauman, "Zero Experience Required: Plug & Play Modular Transfer Learning for Semantic Visual Navigation," in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, Jun. 2022, pp. 17031–17041.
- [27] P. Kora et al., "Transfer learning techniques for medical image analysis: A review," *Biocybern. Biomed. Eng.*, vol. 42, no. 1, pp. 79–107, 2022, doi:10.1016/j.bbe.2021.11.004.
- [28] G. He, P. Xue, and J. Meng, "Few-shot Thangka image classification based on improved DenseNet," *J. Phys. Conf. Ser.*, vol. 1678, p. 12087, Nov. 2020, doi:10.1088/1742-6596/1678/1/012087.
- [29] V. Gupta et al., "Cross-property deep transfer learning framework for enhanced predictive analytics on small materials data," *Nat. Commun.*, vol. 12, no. 1, p. 6595, 2021, doi:10.1038/s41467-021-26921-5.
- [30] S. Rezaei, J. Tahmoresnezhad, and V. Solouk, "A transductive transfer learning approach for image classification," *Int. J. Mach. Learn. Cybern.*, vol. 12, no. 3, pp. 747–762, 2021, doi:10.1007/s13042-020-01200-9.
- [31] J. Kobylarz, J. J. Bird, D. R. Faria, E. P. Ribeiro, and A. Ekárt, "Thumbs up, thumbs down: non-verbal human-robot interaction through real-time EMG classification via inductive and supervised transductive transfer learning," *J. Ambient Intell. Humaniz. Comput.*, vol. 11, no. 12, pp. 6021 – 6031, 2020, doi:10.1007/s12652-020-01852-z.
- [32] G. Huang, Z. Liu, and K. Q. Weinberger, "Densely Connected Convolutional Networks," *CoRR*, vol. abs/1608.0, 2016, [Online]. Available: <http://arxiv.org/abs/1608.06993>
- [33] K. He, X. Zhang, S. Ren, and J. Sun, "Identity Mappings in Deep Residual Networks." *arXiv*, 2016. doi:10.48550/ARXIV.1603.05027.
- [34] I. W. A. S. Darma, N. Suciati, and D. Siahaan, "Neural Style Transfer and Geometric Transformations for Data Augmentation on Balinese Carving Recognition using MobileNet," *Int. J. Intell. Eng. Syst.*, vol. 13, no. 6, pp. 349–363, 2020, doi:10.22266/ijies2020.1231.31.
- [35] T. Anwar and S. Zakir, "Effect of Image Augmentation on ECG Image Classification using Deep Learning," in *2021 International Conference on Artificial Intelligence, ICAI 2021*, 2021, pp. 182–186. doi:10.1109/ICAIS2203.2021.9445258.
- [36] A. Rahman, Y. Lu, and H. Wang, "Performance evaluation of deep learning object detectors for weed detection for cotton," *Smart Agric. Technol.*, vol. 3, 2023, doi:10.1016/j.atech.2022.100126.
- [37] M. D. Bloice, C. Stocker, and A. Holzinger, "Augmentor: An Image Augmentation Library for Machine Learning," *ArXiv*, vol. abs/1708.0, 2017.
- [38] D. P. Kingma and J. Ba, "Adam: A Method for Stochastic Optimization." 2014. [Online]. Available: <http://arxiv.org/abs/1412.6980>
- [39] B. D. Satoto, M. I. Utoyo, R. Rulaningtyas, and E. B. Koendhori, "Custom convolutional neural network with data augmentation and bayesian optimization for gram-negative bacteria classification," *Int. J. Intell. Eng. Syst.*, vol. 13, no. 5, pp. 524–538, 2020, doi:10.22266/ijies2020.1031.46.
- [40] TensorFlow Developers (2023) "TensorFlow". Zenodo. doi:10.5281/zenodo.10126399.