

- [20] Ramakrishnan M. and Sahaya Anselin Nisha A., "Groundnut leaf disease detection and classification by using backpropagation algorithm," in *Proc. Int. Conf. Commun. Signal Process.*, 2015, pp. 0964–0968.
- [21] O. Elijah, S. K. A. Rahim, E. A. Abioye, Y. O. Salihu, A. A. Oremeyi, and M. J. Musa, "Decision support platform for production of chili using IoT, cloud computing, and machine learning approach," in *Proc. IEEE Nigeria 4th Int. Conf. Disruptive Technol. Sustain. Develop.*, 2022, pp. 1–5.
- [22] S. B. Kutty et al., "Classification of watermelon leaf diseases using neural network analysis," in *Proc. IEEE Bus. Eng. Ind. Appl. Colloq.*, 2013, pp. 459–464.
- [23] T. Wiesner-Hanks et al., "Image set for deep learning: Field images of maize annotated with disease symptoms," *BMC Res. Notes*, vol. 11, 2018, Art. no. 440.
- [24] S. V. Kulkarni, V. Hegde, M. Naik, and R. Bhavana, "Detection of plant leaf disease using image processing and automation of pesticide spraying," in *Proc. Int. Conf. Emerg. Res. Comput., Inf., Commun. Appl.*, 2023, pp. 535–544.
- [25] S. Mude, D. Naik, and A. Patil, "Leaf disease detection using image processing for pesticide spraying," *Int. J. Adv. Eng. Res. Develop.*, vol. 4, no. 4, pp. 1–5, 2017.
- [26] Z. Iqbal, M. A. Khan, M. Sharif, J. H. Shah, M. H. ur Rehman, and K. Javed, "An automated detection and classification of citrus plant diseases using image processing techniques: A review," *Comput. Electron. Agriculture*, vol. 153, pp. 12–32, 2018.
- [27] Z. Lin et al., "A unified matrix-based convolutional neural network for fine-grained image classification of wheat leaf diseases," *IEEE Access*, vol. 7, pp. 11570–11590, 2019.
- [28] J. Amara, B. Bouaziz, and A. Algergawy, "A deep learning-based approach for banana leaf diseases classification," pp. 79–88, 2017.
- [29] M. López-López, R. Calderón, V. González-Dugo, P. J. Zarco-Tejada, and E. Fereres, "Early detection and quantification of almond red leaf blotch using high-resolution hyperspectral and thermal imagery," *Remote Sens.*, vol. 8, no. 4, 2016, Art. no. 276.
- [30] H. Waheed, N. Zafar, W. Akram, A. Manzoor, A. Gani, and S. ul Islam, "Deep learning based disease, pest pattern and nutritional deficiency detection system for 'zingiberaceae' crop," *Agriculture*, vol. 12, no. 6, 2022, Art. no. 742.
- [31] J. Dhanik, N. Arya, and V. Nand, "A review on zingiber officinale," *J. Pharmacognosy Phytochem.*, vol. 6, no. 3, pp. 174–184, 2017.
- [32] G. Meenu and M. Kaushal, "Diseases infecting ginger (zingiber officinale roscoe): A review," *Agricultural Rev.*, vol. 38, no. 1, pp. 15–28, 2017.
- [33] G. Meenu and T. Jebasingh, "Diseases of ginger," in *Ginger Cultivation and Its Antimicrobial and Pharmacological Potentials*. Rijeka, Croatia: IntechOpen, 2020, pp. 1–31.
- [34] A. Kumar and A. Hayward, "Bacterial diseases of ginger and their control," in *Ginger*. Boca Raton, FL, USA: CRC Press, 2016, pp. 361–386.
- [35] W. B. Demilie, "Plant disease detection and classification techniques: A comparative study of the performances," *J. Big Data*, vol. 11, no. 1, 2024, Art. no. 5.
- [36] D. Yadav, H. Gaurav, R. Yadav, R. Waris, K. Afzal, and A. C. Shukla, "A comprehensive review on soft rot disease management in ginger (zingiber officinale) for enhancing its pharmaceutical and industrial values," *Heliyon*, vol. 9, 2023, Art. no. e18337.
- [37] L. C. Ngugi, M. Abelwahab, and M. Abo-Zahhad, "Recent advances in image processing techniques for automated leaf pest and disease recognition—A review," *Inf. Process. Agriculture*, vol. 8, no. 1, pp. 27–51, 2021.
- [38] G. Stirling, U. Turaganivalu, A. Stirling, M. Lomavatu, and M. Smith, "Rhizome rot of ginger (zingiber officinale) caused by pythium myriotylum in Fiji and Australia," *Australas. Plant Pathol.*, vol. 38, no. 5, pp. 453–460, 2009.
- [39] D. Prasath, A. Matthews, W. T. O. Neill, E. A. Aitken, and A. Chen, "Fusarium yellows of ginger (zingiber officinale roscoe) caused by fusarium oxysporum f. sp. zingiberi is associated with cultivar-specific expression of defense-responsive genes," *Pathogens*, vol. 12, no. 1, 2023, Art. no. 141.
- [40] H. Hu, Y. Gong, C. Cao, R. Zhou, C. Liu, and Z. Zhu, "First report of alternaria alternata causing leaf yellow spot on ginger (zingiber officinale roscoe) in Laifeng, China," *Plant Dis.*, vol. 107, no. 5, 2023, Art. no. 1636. [Online]. Available: <https://doi.org/10.1094/pdis-02-22-0363-pdn>
- [41] S. Nelson, "Bacterial wilt of edible ginger in Hawaii," *Plant Dis.*, vol. 99, pp. 1–8, 2013.
- [42] T. P. Prameela and R. S. Bhai, "Bacterial wilt of ginger (zingiber officinale roscoe) incited by ralstonia pseudosolanacearum—A review based on pathogen diversity, diagnostics and management," *J. Plant Pathol.*, vol. 102, pp. 709–719, 2020.
- [43] B. Muhammad, K. L. Ling, L. W. Hong, and G. Vadamalai, "Detection and characterization of cucumber mosaic virus infecting ginger (zingiber officinale roscoe) in Malaysia," *Int. J. Sci., Basic Appl. Res.*, vol. 57, no. 1, pp. 9–15, 2021.
- [44] B. Muhammad, G. Vadamalai, L. L. Kong, and W. H. Lau, "Cucumber mosaic virus (CMV) transmission through infected ginger (zingiber officinale roscoe) and turmeric (curcuma longa L.) rhizomes," *Indian Phytopathol.*, vol. 76, no. 4, pp. 1127–1130, 2023.
- [45] A. I. Bhat, K. P. Naveen, N. S. Pamitha, and R. P. Pant, "Association of two novel viruses with chlorotic fleck disease of ginger," *Ann. Appl. Biol.*, vol. 177, no. 2, pp. 232–242, 2020.
- [46] G. Momin, D. Firake, G. Behere, and P. Baiswar, "Pest complex, biology and population dynamics of insect pests of ginger in northeast India," *Indian J. Entomol.*, vol. 80, no. 2, pp. 244–250, 2018.
- [47] S. Devasahayam and K. A. Koya, "Insect pests of ginger," in *Ginger*. Boca Raton, FL, USA: CRC Press, 2016, pp. 387–410.
- [48] NIPHM, "AESA based IPM-ginger," Accessed: Jun. 30, 2024. [Online]. Available: <https://niphm.gov.in/IPMPackages/Ginger.pdf>
- [49] A. Kumar, "Methods for screening ginger (zingiber officinale roscoe) for bacterial wilt resistance," *Indian Phytopathol.*, vol. 59, no. 3, pp. 281–286, 2012.
- [50] K. Khatso and N. A. Tiameren, "Biocontrol of rhizome rot disease of ginger (zingiber officinale roscoe)," *Int. J. Bio-Resource Stress Manage.*, vol. 4, pp. 317–321, 2013.
- [51] C. Lalfakawma, B. C. Nath, L. Bora, S. Srivastava, and J. Singh, "Integrated disease management of zingiber officinale roscoe rhizome rot," *Bioscan*, vol. 9, pp. 265–269, 2014.
- [52] N. Dohroo, S. Kansal, and N. Ahluwalia, "Studies on eco-farmer-friendly practices for management of soft rot of ginger (zingiber officinale)," *Indian Phytopathol.*, vol. 68, pp. 93–96, 2015.
- [53] A. K. Pandey, L. P. Awasthi, J. P. Srivastva, and N. K. Sharma, "Management of rhizome rot disease of ginger (zingiber officinale rose L.)," *J. Phyto.*, vol. 2, no. 9, pp. 18–20, 2010.
- [54] M. Rai, A. P. Ingle, P. Paralakar, N. Anasane, R. Gade, and P. Ingle, "Effective management of soft rot of ginger caused by pythium spp. and fusarium spp.: Emerging role of nanotechnology," *Appl. Microbiol. Biotechnol.*, vol. 102, pp. 6827–6839, 2018.
- [55] D. Debata, A. Sethy, D. Panda, and P. Sarangi, "Management of rhizome rot of ginger," *Environ. Ecol.*, vol. 37, no. 1, pp. 97–100, 2019.
- [56] J. Merga, "Epidemiology and management strategies of ginger leaf spot disease (phylllosticta zingiberi)," *Plant Pathol. Quarantine*, vol. 11, no. 1, pp. 138–143, 2021.
- [57] S. Sharma, N. P. Dohroo, S. Veerubommu, S. Phurailatpam, N. Thakur, and A. N. Yadav, "Integrated disease management of storage rot of ginger (zingiber officinale) caused by fusarium sp. in Himachal Pradesh, India," *Int. J. Curr. Microbiol. Appl. Sci.*, vol. 5, no. 12, pp. 3580–3592, 2017.
- [58] S. Ukaew, W. Weerachaipichasgul, N. Motong, P. Chantam, and W. Yaowarat, "Implication of soil carbon changes on the greenhouse gas emissions of pickled ginger: A case study of crop rotation cultivation in northern Thailand," *Energy, Ecol. Environ.*, vol. 8, no. 4, pp. 370–387, 2023.
- [59] H. Rahman, K. Ramaiyan, K. Kishore, and R. Denzongpa, "Traditional practices of ginger cultivation in northeast India," *Indian j. traditional knowl.*, vol. 8, pp. 23–28, 2009.
- [60] F. Wang, X. Zhang, M. Wei, Y. Wang, Z. Liang, and P. Xia, "Appropriate crop rotation alleviates continuous cropping barriers by changing rhizosphere microorganisms in panax notoginseng," *Rhizosphere*, vol. 23, 2022, Art. no. 100568.
- [61] Z. Wubshet, "Economic importance and management of ginger bacterial wilt caused by Ralstonia solanacearum," *Int. J. Res. Stud. Agricultural Sci.*, vol. 4, no. 2, pp. 1–11, 2018.
- [62] H. Rymbai, A. Das, K. P. Mohapatra, H. D. Talang, B. Nongbri, and I. Law, "Ginger (zingiber officinale) based intercropping systems for enhancing productivity and income—A farmers participatory approach," *Indian J. Agricultural Sci.*, vol. 91, no. 7, pp. 956–960, 2021.
- [63] J. K. Soni, B. Lalramhlumi, and I. Shakuntala, "Ginger cultivation in Mizoram: Status, constraints, sustainable approaches and prospects," in *Advances in Agricultural, Animal and Fisheries Sciences*. Kozhikode, India: ZNAN Publishers, Soc. Technol., Environ., Sci. People, 2022, pp. 47–58.