



















- [13] Mandava, M.; Vinta, S. R.; Ghosh, H.; Rahat, I. S. Identification and Categorization of Yellow Rust Infection in Wheat through Deep Learning Techniques. *EAI Endorsed Trans IoT* 2023, 10. <https://doi.org/10.4108/eetiot.4603>
- [14] Khasim, I. S. Rahat, H. Ghosh, K. Shaik, and S. K. Panda, "Using Deep Learning and Machine Learning: Real-Time Discernment and Diagnostics of Rice-Leaf Diseases in Bangladesh", *EAI Endorsed Trans IoT*, vol. 10, Dec. 2023 <https://doi.org/10.4108/eetiot.4579>
- [15] Khasim, H. Ghosh, I. S. Rahat, K. Shaik, and M. Yesubabu, "Deciphering Microorganisms through Intelligent Image Recognition: Machine Learning and Deep Learning Approaches, Challenges, and Advancements", *EAI Endorsed Trans IoT*, vol. 10, Nov. 2023. <https://doi.org/10.4108/eetiot.4484>
- [16] Mohanty, S.N.; Ghosh, H.; Rahat, I.S.; Reddy, C.V.R. Advanced Deep Learning Models for Corn Leaf Disease Classification: A Field Study in Bangladesh. *Eng. Proc.* 2023, 59, 69. <https://doi.org/10.3390/engproc2023059069>
- [17] Alenezi, F.; Armghan, A.; Mohanty, S.N.; Jhaveri, R.H.; Tiwari, P. Block-Greedy and CNN Based Underwater Image Dehazing for Novel Depth Estimation and Optimal Ambient Light. *Water* 2021, 13, 3470. <https://doi.org/10.3390/w13233470>
- [18] Agarwal, N. et al.: Applying XGBoost Machine Learning Model to Succor Astronomers Detect Exoplanets in Distant Galaxies. (2022). [https://doi.org/10.1007/978-3-030-95711-7\\_33](https://doi.org/10.1007/978-3-030-95711-7_33).
- [19] Agarwal, N. et al.: Multiclass Classification of Different Glass Types using Random Forest Classifier. In: *Proceedings - 2022 6th International Conference on Intelligent Computing and Control Systems, ICICCS 2022.* (2022). <https://doi.org/10.1109/ICICCS53718.2022.9788326>.
- [20] Agarwal, N. et al.: Semi-Supervised Learning with GANs for Melanoma Detection. In: *Proceedings - 2022 6th International Conference on Intelligent Computing and Control Systems, ICICCS 2022.* (2022). <https://doi.org/10.1109/ICICCS53718.2022.9787990>.
- [21] Tayal, D.K. et al.: To Predict the Fire Outbreak in Australia using Historical Database. In: *2022 10th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions), ICRITO 2022.* (2022). <https://doi.org/10.1109/ICRITO56286.2022.9964603>.
- [22] Agarwal, N., Tayal, D.K.: FFT based ensemble model to predict ranks of higher educational institutions. *Multimed Tools Appl.* 81, 23, (2022). <https://doi.org/10.1007/s11042-022-13180-9>.
- [23] Agarwal, N., Tayal, D.K. (2023). A Novel Model to Predict the Whack of Pandemics on the International Rankings of Academia. In: Nandan Mohanty, S., Garcia Diaz, V., Satish Kumar, G.A.E. (eds) *Intelligent Systems and Machine Learning, ICISML 2022. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*, vol 471. Springer, Cham. [https://doi.org/10.1007/978-3-031-35081-8\\_3](https://doi.org/10.1007/978-3-031-35081-8_3)
- [24] Gupta, A., Vardhan, H., Varshney, S., Saxena, S., Singh, S., & Agarwal, N. (2023). "Kconnect: The Design and Development of Versatile Web Portal for Enhanced Collaboration and Communication". *EAI Endorsed Transactions on Scalable Information Systems* <https://doi.org/10.4108/eetsis.4022>.
- [16] Agarwal N, Kumar N, Anushka, Abrol V, Garg Y. Enhancing Image Recognition: Leveraging Machine Learning on specialized Medical Datasets. *EAI Endorsed Trans Perv Health Tech* DOI: <https://doi.org/10.4108/eetpht.9.4336>.
- [17] Agarwal N, Arora I, Saini H, Sharma U. A Novel Approach for Earthquake Prediction Using Random Forest and Neural Networks. *EAI Endorsed Trans Energy Web* DOI: <https://doi.org/10.4108/ew.4329>.
- [18] Dahiya R, Nidhi, Kumari K, Kumari S, Agarwal N. Usage of Web Scraping in the Pharmaceutical Sector. *EAI Endorsed Trans Perv Health Tech* DOI: <https://doi.org/10.4108/eetpht.9.4312>.
- [19] Dahiya, R., Arunkumar, B., Dahiya, V. K., & Agarwal, N. (2023). Facilitating Healthcare Sector through IoT: Issues, Challenges, and Its Solutions. *EAI Endorsed Transactions on Internet of Things*, 9(4), e5-e5.
- [20] Anushka, Agarwal, N., Tayal, D. K., Abrol, V., Deepakshi, Garg, Y., & Jha, A. (2022, December). Predicting Credit Card Defaults with Machine Learning Algorithm Using Customer Database. In *International Conference on Intelligent Systems and Machine Learning* (pp. 262-277). Cham: Springer Nature Switzerland.
- [21] Jha, A., Agarwal, N., Tayal, D. K., Abrol, V., Deepakshi, Garg, Y., & Anushka. (2022, December). Movie Recommendation Using Content-Based and Collaborative Filtering Approach. In *International Conference on Intelligent Systems and Machine Learning* (pp. 439-450). Cham: Springer Nature Switzerland