

# Publication (2021-2022)

## Journal Papers

1. Sahni, V., Srivastava, S., & **Khan, R.** (2021). Modelling techniques to improve the quality of food using artificial intelligence. *Journal of Food Quality*, 2021. Volume 2021, Article ID 2140010, 10 pages, SCIE Indexed. <https://doi.org/10.1155/2021/2140010>
2. **Khan, R.**, Shabaz, M., Hussain, S., Ahmad, F., & Mishra, P. (2021). Early flood detection and rescue using bioinformatic devices, internet of things (IOT) and android application. *World Journal of Engineering*. Volume 2021, Scopus Indexed. <https://doi.org/10.1108/WJE-05-2021-0269>
3. **Khan, R.**, Kumar, S., Srivastava, A. K., Dhingra, N., Gupta, M., Bhati, N., & Kumari, P. (2021). Machine learning and IoT-based waste management model. *Computational Intelligence and Neuroscience*, 2021. Volume 2021, Article ID 5942574, SCIE Indexed. <https://doi.org/10.1155/2021/5942574>
4. Khan, M. A., **Khan, R.**, Algarni, F., Kumar, I., Choudhary, A., & Srivastava, A. (2022). Performance evaluation of regression models for COVID-19: A statistical and predictive perspective. *Ain Shams Engineering Journal*, 13(2), 101574. Elsevier Journal, SCI Indexed. 2021-09 | journal-article DOI: 10.1016/j.asej.2021.08.016.
5. Katiyar, S., **Khan, R.**, & Kumar, S. (2021). Artificial bee colony algorithm for fresh food distribution without quality loss by delivery route optimization. *Journal of Food Quality*, 2021. SCIE Indexed. Volume 2021, Article ID 4881289, 9 pages. <https://doi.org/10.1155/2021/4881289>.
6. Wazir, S., Gour, S., Nafis, M. T., & **Khan, R.** (2021). Modeling infectious diseases: Understanding social connectivity to control infectious diseases. *Informatics in Medicine Unlocked*, 26, 100761. Scopus Indexed, <https://doi.org/10.1016/j.imu.2021.100761>
7. Kashyap, G. S., Malik, K., Wazir, S., & **Khan, R.** (2022). Using Machine Learning to Quantify the Multimedia Risk Due to Fuzzing. *Multimedia Tools and Applications*, 81(25), 36685-36698. SCI Indexed. <https://doi.org/10.1007/s11042-021-11558-9>
8. **Khan, R.** (2021). Deep Learning System and It's Automatic Testing: An Approach. *Annals of Data Science*, 1-15. Springer Journal, Scopus Indexed (2021) 1-15. DOI: 10.1007/s40745-021-00361-w
9. Goyal, A., Kaushik, S., & **Khan, R.** (2021). IoT based cloud network for smart health care using optimization algorithm. *Informatics in Medicine Unlocked*, 27, 100792. Elsevier Journal Scopus Indexed. <https://doi.org/10.1016/j.imu.2021.100792>
10. **Khan, R.**, Kumar, S., Dhingra, N., & Bhati, N. (2021). The use of different image recognition techniques in food safety: a study. *Journal of Food Quality*, 2021. SCIE Indexed. Volume 2021 |Article ID 7223164 | <https://doi.org/10.1155/2021/7223164c>

11. **Khan, R.** (2022). Artificial Intelligence and Machine Learning in Food Industries: A Study. *J Food Chem Nanotechnol*, 7(3), 60-67.
12. **Khan, R.**, Srivastava, A. K., Gupta, M., Kumari, P., & Kumar, S. (2022). Medicolite-Machine Learning-Based Patient Care Model. *Computational Intelligence and Neuroscience*, 2022. SCIE Indexed, Volume 2022 | Article ID 8109147 | <https://doi.org/10.1155/2022/8109147>
13. **Kumar, S.**, Upadhyay, S., Singh, S., & Sharma, S. (2021). Price forecasting system for crops at the sowing time. *International Journal of Agriculture Innovation, Technology and Globalisation*, 2(3), 204-221.

## Book Chapters

1. Shukla, S., Gupta, R., Garg, S., Harit, S., & **Khan, R.** (2022). Real-Time Parking Space Detection and Management with Artificial Intelligence and Deep Learning System. In *Transforming Management with AI, Big-Data, and IoT* (pp. 127-139). Springer, Cham.
2. **Khan, R.**, Dhingra, N., & Bhati, N. (2022). Role of Artificial Intelligence in Agriculture: A Comparative Study. In *Transforming Management with AI, Big-Data, and IoT* (pp. 73-83). Springer, Cham.
3. **Khan, R.**, Gupta, M., Kumari, P., Kumar, N. (2022). A Prospective Study of Federated Machine Learning in Medical Science. In: Yadav, S.P., Bhati, B.S., Mahato, D.P., Kumar, S. (eds) Federated Learning for IoT Applications. EAI/Springer Innovations in Communication and Computing. Springer, Cham. [https://doi.org/10.1007/978-3-030-85559-8\\_7](https://doi.org/10.1007/978-3-030-85559-8_7)
4. **Khan, R.**, Khan, M. A., Ansari, M. A., Dhingra, N., & Bhati, N. (2022). Machine learning-based agriculture. In *Application of Machine Learning in Agriculture* (pp. 3-27). Academic Press.
5. Pujahari, R. M., Yadav, S. P., & **Khan, R.** (2022). Intelligent farming system through weather forecast support and crop production. In *Application of Machine Learning in Agriculture* (pp. 113-130). Academic Press.
6. Anand, R., Mishra, R. K., & **Khan, R.** (2022). Plant diseases detection using artificial intelligence. In *Application of Machine Learning in Agriculture* (pp. 173-190). Academic Press.
7. **Sharma, A.**, **Khan R.**, Mittal A, Tiwari A., & Kapoor, A. (2022). Agriculture economics. In *Application of Machine Learning in Agriculture* (pp. 71-89). Academic Press.
8. **Sharma, A.**, **Mittal, K.**, Kumar, S., Sharma, U., & **Upadhyay, P.** (2022). Impact of Artificial Intelligence and Machine Learning in the Food Industry: A Survey. In *Artificial Intelligence Applications in Agriculture and Food Quality Improvement* (pp. 190-215). IGI Global.
9. **Sharma, A. K.**, & Yogi, K. K. (2022). OLFACTRO BRAINIAC: Aid-Kit for Person with Smell Sense Disability. In *Cognitive Informatics and Soft Computing* (pp. 737-757). Springer, Singapore.

10. Bhardwaj, S., **Jain, S.**, Trivedi, N. K., Kumar, A., & Tiwari, R. G. (2022). Intelligent Heart Disease Prediction System Using Data Mining Modeling Techniques. In *Soft Computing: Theories and Applications* (pp. 881-891). Springer, Singapore.
11. Pujahari, R. M., & **Khan, R.** (2022). Applications of Machine Learning in Food Safety. In *Artificial Intelligence Applications in Agriculture and Food Quality Improvement* (pp. 216-240). IGI Global.
12. **Sharma, A. K.**, Singh, S., & Kumar, S. (2022). Artificial Intelligence for Improving Food Quality. In *Artificial Intelligence Applications in Agriculture and Food Quality Improvement* (pp. 241-256). IGI Global.

## Conference Papers

1. **Sharma, A. K.**, Pandey, R., Tarafdar, S., & Dubey, S. (2021, September). Towards Smart Mobility in Cities-Bus Tracking and Booking System. In 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO) (pp. 1-5). IEEE.
2. Sandilya, N., & **Sharma, A. K.** (2021, September). Quantum Internet: An Approach towards Global Communication. In 2021 9th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions)(ICRITO) (pp. 1-5). IEEE.
3. Trivedi, N. K., Maheswari, S., Sharma, H., **Jain, S.**, & Agarwal, S. (2022, March). Early Detection & Prediction of Heart Disease using Various Machine Learning Approaches. In 2022 9th International Conference on Computing for Sustainable Global Development (INDIACom) (pp. 793-797). IEEE.