

BIO-DATA

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Experience: 21 years
M.Tech Students Guided: 16



Research Area:

Data Mining
Databases

Research Papers Published:

(a) International Journals: 25

Some of the publications are as under:

1. "A Comprehensive Review on Deep Learning Algorithms for Wind Power Prediction.", Vol. 13, No. 4, 2022.
2. "Mining Effect of Temperature and Rainfall to Develop an Empirical Model for Wheat Yield Prediction", Recent Advances in Computer Science and Communications, Vol. 14, No. 7, 2021.
3. "Firefly Optimization Based Noise Additive Privacy-Preserving Data Classification Technique to Predict Chronic Kidney Disease.", Revue d'Intelligence Artificielle, Vol. 35, No. 6, 2021.
4. "Investigation and Comparative Analysis of Data Mining Techniques for the Prediction of Crop Yield", International Journal of Sustainable Agriculture Management and Informatics (IJSAMI), Vol. 6, No. 1, pp. 43-74, 2020.

5. “Exploring data mining tool – Weka and using Weka to build and evaluate predictive models”, *Advances and Applications in Mathematical Sciences*, Vol. 19, No. 6, 2020.
6. “Privacy Preserving Data Mining: Approaches, Applications and Research Directions”, *International Journal of Advanced Science and Technology*, Vol. 28, No. 19, pp. 718-729, 2019.
7. “A Review of Data Mining: Scope and Applications in Agriculture”, *International Journal of Advanced Research in Computer Science*, Vol. 8, Issue 7, 2017.
8. “Classification and Clustering in Yield Prediction Based on Soil Properties”, *International Journal of Advanced Research in Computer Science*, Vol. 8, Issue 7, 2017.
9. “Factors Affecting Paddy Plant at Different Growth Stages”, *International Journal of Advanced Technology in Engineering and Science*, Vol. 4, No. 5, 2016.
10. “Comparative Analysis of Decision Tree Algorithms for the Student’s Placement Prediction”, *International Journal of Advance research in Computer and Communication Engineering*, Vol. 4, No. 6, 2015.
11. “Educational Data Mining: Review”, *Research Cell: An International Journal of Engineering Sciences*, Vol. 3, Issue December 2014.

(b) International Conferences: 8

Some of the publications are as under:

1. “Towards exploration of Features and Functionalities in Privacy Preserving Data Mining (PPDM)”, presented in International Conference on Applications of AI and Machine Learning at Department of CSE, Punjabi University, Patiala on 21-22 May, 2020.
2. “Analysing Data to build a Prediction Model Using SPSS”, presented in International Conference on Innovations in Computing at CGC College of Engineering, Mohali on 14-15 December, 2018.

3. “Effect of Temperature and Rainfall on Paddy Yield Using Data Mining”, In the proceedings of 7th International Conference on Cloud Computing, Data Science & Engineering – Confluence, IEEE, 2017.
4. “Water Quality Classifications Using Different Approaches”, In the proceedings of International Conference on Innovations in Information Embedded and Communication Systems (ICIIECS’16), IEEE, 2016.
5. “Use of Data Mining Techniques in Agriculture for Sustainable Economic Development”, Presented in 2nd International Business Conference on Value Creation for Sustainable Development at Sri Guru Granth Sahib World University, Fatehgarh Sahib on March 17-18, 2015.

(c) National Conferences/Seminars: 5

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