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| --- | --- | --- | --- | --- |
| S.No | Topic | Author Name | Methodology | Reference |
| 1. | Predicting and analyzing water quality using Machine Learning | Yafra Khan,  Soo See Chai | Deep learning,  Artificial Neural Network (ANN),Unsupervisied learning,Deep belief network,Denoising auto-encoder,Restricted Boltsman machine. | https://www.researchgate.net/publication/304188597\_Predicting\_and\_analyzing\_water\_quality\_using\_Machine\_Learning\_A\_comprehensive\_model |
| 2. | Water quality prediction using machine learning methods | Amir Hamezh Haghiabi,  Abbas Parsaie | artificial neural network (ANN), group method of data handling (GMDH), support vector machine (SVM). | https://www.researchgate.net/publication/322621748\_Water\_quality\_prediction\_using\_machine\_learning\_methods |
| 3. | Robust Machine Learning Algorithms for Predicting Coastal Water Quality Index | Md Galal Uddin,  Stephen Nash,  Mir Talas Mahammad Diganta,  Azizur Rahman | robust machine learning (ML), Random Forest (RF), Decision Tree (DT), K-Nearest Neighbors (KNN), Extreme Gradient Boosting (XGB), Extra Tree (ExT), Support Vector Machine (SVM), Linear Regression (LR), and Gaussian Naïve Bayes (GNB). | https://www.researchgate.net/publication/361364979\_Robust\_Machine\_Learning\_Algorithms\_for\_Predicting\_Coastal\_Water\_Quality\_Index |

**Literature Survey**