LITERATURE SURVEY

Sl.No	Author & Year of Publication	Journal	Title of the paper	Advantage(s)	Limitation(s)
1.	Yi Hai-long, and Xu Zu-xin, Journal of Resources and Environment in the Yangtze Basin,September 2008.	IEEE	Water Quality Assessment Based on BP Network and its application	The most obvious benefit of water quality standards is that they protect state waters for the ways that we want and need to use them-drinking water, swimming, fishing ,irrigation and much more.	Surface water limits of worse than V water was defined. Training sample was generated based on classification standard, then the water quality was evaluated.
2.	MENG Wei, QIN Yan-wen, ZHENG Bing-hui, ZHANG Lei, and ZHANG Nan,Research of Environmental Sciences. 2008	IEEE	Implementation of a GIS-based Water Quality standard syntax is and basin water quality prediction system	Geographic Information Systems (GIS) are an effective tool for storing, managing, and displaying spatial data often encountered in water resources management. The application of GIS in water resources is constantly on the rise.	The successes and limitations of using. GIS to: (1) determine flood peak discharges and hydrographs, and (2) map floodplains,
3.	Abolpour, M. J., M. Karamouz (2005). Applied Soft Computing 7(2007)	IEEE	A integrated water quality –quantity method for water management	Implementing Integrated Water Resources Management thereby helps to protect the world's environment, foster economic growth and sustainable agricultural development, promote democratic participation in governance, and improve human health.	Contaminants can **limit** the use of groundwater through concerns associated with human health, aquatic health, economic costs, or even societal
4.	LAO Guo-min. Zhejiang Water Science and Technology, 2003(2).	IEEE	Study on the water environment capacity for the typical watershed in taizihe river	electricity generation, water supply for domestic and industrial uses, flood control, recreation, inland navigation and fish breeding.	water environmental capacity and the water quality could be advanced by the optimal operation of water quality …

Sl.No	Author & Year of Publication	Journal	Title of the paper	Advantage(s)	Limitation(s)
5.	Zhou Lu, Xing Lizhen, Duan Yanping, Chen Huadong," Water & Wastewater Engineering, April 2007.	IEEE	Assessment of reclaimed water quality based on the improved projection pursuit	practicability and feasibility, and can provide the basis for the scientific decision-making and comprehensive management	Strict effluent discharge limits have spurred effective and reliable improvements in treatment technologies
6.	Chen Qiuwen, Tan Kui., 2009	IEEE	Prediction of Water Quality of Xianlin Reservoir Affected by Engineering Measures	Modeling and prediction of water quality are very important for the protection of the environment. Developing a model by using advanced artificial.	The enhancement of the knowledge of a reliable water supply includes studies of the river-flow and emissions, measurements of the actual water quality.
7.	G. Zhang, C. He, F. Wu, Journal of Arid Land Resources and environmcnt. Nov 2009.	IEEE	Study of Rainwater Quality Assessment Model Based on Radial Basis Function Artificial Neural Network	An efficient crop or tree management system with a weather forecast needed for suitable planning of farming operation.	The model output is a continuous variation value, which not only satisfies the demand of water quality assessment but also has quantitative evaluation effect.
8.	Xue Qiaoying, Environmental Protection Science, Aug.2004.	IEEE	Application of Comprehensive Water Quality Identification Index in Water Quality Assessment of River	Water quality indices provide a way to distill thou- sands of records of environmental data into meaningful values that indicate the health of water resources and create a yardstick for measuring and assessing water quality.	This paper shows that the comprehensive water quality identification index is worth using in the river water quality assessment.

Sl.No	Author & Year of Publication	Journal	Title of the paper	Advantage(s)	Limitation(s)
9.	Jiang Huiyuan ,Wang Wanxian," Journal of Wuhan University of Technology (Transportation Science抏 Engineering), 2004.	IEEE	Confined Water Quality Evaluation of Cone of Depression in Jining Based on Principle Component Analysis Method	Removes correlated features that undermine the statistical significance of an independent variable Improves algorithm performance, which can be significantly degraded if too many features are present in models, and speeds up analyses.	The process is convenient and the results are intuitional, which all indicate that PCA method is reasonable and efficient for confined water quality evaluation.
10.	G. Zheng and P. M. DiGiacomo, Dec. 2017.	IEEE	Deep Learning for Water Quality Assessment and Forecasting	Water quality monitoring can help researchers predict and learn from natural processes in the environment and determine human impacts on an ecosystem. These measurement efforts can also assist in restoration projects or ensure environmental standards are being met.	An appropriate management of the available resources within oceans and coastal regions is vital to guarantee their sustainable