## LITERATURE REVIEW

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| **Team ID** | **PNT2022TMID52107** |
| **Student Name** | **M.Sri sakthi**<br>**J.Shyja jenifer**<br>**M.Sindhu**<br>**K.Sujith** |

| S.No | Title | Author | Year | Inference |
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| 1 | Assessment of ground water quality and its Impact in around Mangalam near Tirupati | G.DILLI RANI, M.SUMAN, C.NARASIMAHA RAO, P.REDDIRANI, R.PRATHIBA V.G.PRASHANTH, P. VENKATESWARLU | 2019 | Ground water quality and its impact on human health in and around Mangalam, near Tirupathi, India was assessed. Water samples were collected from 8 different areas in and around Mangalam and analyzed for physicochemical parameters such as pH, electrical conductivity, total dissolved solids, total hardness, calcium, chlorides, sulphates, nitrates and dissolved oxygen |

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| **2** | **Analysis of Drinking Water Quality and its Impact on human health in Chandragiri, near Tirupati, India** | **S.V.DORAIRAJU, C. NARASIMHARAO, M. BUJAGENDRA RAJU,AND P.V.CHALAPATHI.** | **2022** | **Drinking water samples were collected from different locations of Chandragiri, near Tirupati, Andhra Pradesh, India and analyzed to assess physicochemical parameters and suitability of water for drinking purpose. Physicochemical parameters such as pH, hardness, alkalinity, calcium, magnesium, iron, nitrates, chlorides, sulphates, electrical conductivity, total solids (TS), total dissolved solids (TDS), total suspended solids (TSS), dissolved oxygen (DO), chemical oxygen demand (COD) and bio chemical oxygen demand (BOD) were determined. The found values were compared with the World Health Organisation water quality standards.** |

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| 3 | Hydro chemical characterization of ground water in around tirupati area | E. Balaji, A. Nagaraju, Y. Sreedhar, A. Thejaswini, Zahed Sharifi | 2022 | In the management of water resources, quality of water is just as important as its quantity. The main aim of this study has been to assess the variability of groundwater parameters to develop water quality of Tirupati area and its suitability for domestic and irrigation purpose. Further, the samples were analyzed for pH, EC, TDS, carbonates, bicarbonates, alkalinity, chlorides, sulfates, hardness, fluoride, calcium, magnesium, sodium, and potassium. |

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| **4** | **Statistical and Analytical Evaluation of ground water quality of Tirupati Area,** | **A.Naraju, Z. Sharifi, E. Balaji.** | **2018** | **The multivariate statistical analysis, hydro geochemical modelling using visual MINTEQ software, indices of base exchange and Gibbs ratio were simultaneously applied to groundwater hydro chemical data of the Tirupati area. These techniques were applied to know the principal processes controlling the water chemistry** |

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| **5** | **The Physico-Chemical And Bacteriological Analysis Of Ground Water In Around Tirupati** | **R. Usha, A. Vasavi, Spoorthi And P.M.Swamy** | **2022** | **In the present study, an attempt has been made to investigate the quality of ground water in and Around Tirupati, Chittoor District, Andhra Pradesh. The various parameters monitored include pH, Temperature, Total Suspended Solids, Total Dissolved Solids, Total Solids, Dissolved Oxygen, Biochemical Oxygen Demand, Alkalinity, Chlorides, Hardness and Colony Count. The results showed that all water samples have neutral pH,.** |