

Title of the Speech:

Monitoring Inland Water Quality Using Sensors

Objective:

To monitor the inland water quality physiochemical parameters of the study area : Chennai and Thiruvallur Districts, Tamilnadu, India.

Theme/Outline:

To process the raw remote sensed data to assess Chlorophyll, Cyano-phyocyanin, cyano- phycoerythrin, Coloured dissolved organic matter, Total suspended matter, non- algal particulate matter, Vertical light attenuation, turbidity and Bathymetry. To design and implement the wireless sensor network to measure the ground values like Dissolved Oxygen, pH, Conductivity, TDS and temperature. To integrate remote sensed data and wireless sensed data to display the water quality parameters of the study area. Research Approach: Technology to achieve the objectives of the novelty, data retrieved from the Remote sensed image and Wireless sensor data are integrated.

Speaker Details

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