

## SPECTROPHOTOMETER



In the pursuit of unravelling the intricate ecosystem dynamics of Dal Lake and its implications for eutrophication, Prof. Gh Jeelani led a dedicated research endeavour sponsored by BRNS in 2019. Central to this exploration was the acquisition of a Spectrophotometer, a cutting-edge instrument vital for quantifying various chemical constituents crucial to understanding the lake's health. With its precision and versatility, the Spectrophotometer enabled the research team to analyse water samples with unprecedented accuracy, unveiling critical insights into nutrient levels and pollutant concentrations driving eutrophication processes. Empowered by this technology, Prof. Jeelani and his team contributed significantly to the understanding of Dal Lake's ecosystem, laying the groundwork for informed

conservation strategies to mitigate its degradation and ensure its preservation for future generations. The instrument is present in the hydrology lab at department of Earth Sciences, University of Kashmir.