

FLAME PHOTOMETER



As part of the BRNS-sponsored project titled "Geochemical and isotopic study of Dal Lake: Implications for Eutrophication," Prof. Gh Jeelani led a team of researchers in investigating the complex dynamics of Dal Lake's ecosystem. To accurately quantify the concentration of key elements essential for understanding nutrient dynamics and eutrophication processes in the lake, the team acquired a Flame Photometer in 2019. This sophisticated instrument enabled precise measurements of various elements in water samples, providing crucial insights into the sources and pathways of nutrient inputs contributing to the lake's eutrophication. With the Flame Photometer at their disposal, the researchers were able to uncover valuable information guiding conservation efforts aimed at

preserving the ecological balance of Dal Lake for future generations. The instrument is currently present in Department of Earth Sciences University of Kashmir.