

TEJASWI SAHEBRAO SHINDE

**Sandip Institute of Pharmaceutical Sciences
India**

PRATEJ Plethysmometer : A cost effective solution for Anti-inflammatory activity

Abstract:

A plethysmometer is a device used to measure changes in volume within an object or a body part, typically related to blood flow or fluid displacement. It operates on the principle of measuring the volume of fluid displaced by an object, providing valuable insights into physiological and pathological conditions. Commonly used in medical settings, plethysmometry helps assess conditions such as venous insufficiency, peripheral artery disease, and edema. Various types exist, including water-filled and air-filled plethysmometers, each suited for specific applications. In research, plethysmometers aid in studies of limb circulation, lung function, and body composition. By offering a non-invasive means to evaluate physiological changes, plethysmometers play a critical role in both clinical diagnostics and biomedical research, enhancing our understanding of various health conditions and improving patient care.

Biography

Tejaswi shinde is currently a Final Year B.pharm student in Sandip Institute of Pharmaceutical Sciences, Mahiravani, Nashik. She has completed her HSC from rashtriya Vidyalaya and SSC from St. Joseph convent school