

Thin film Process : Deposition of assembled molecular films by Langmuir through process.

Equipment : Langmuir Trough system.

Photograph :



Basic Principle : In this technique films are formed when amphiphilic molecules like surfactants interact with air at an air–water interface. Surfactants (or surface-acting agents) are molecules with hydrophobic 'tails' and hydrophilic 'heads'. When surfactant concentration is less than critical micellar concentration (CMC), the surfactant molecules arrange themselves.

Capabilities: Deposition of assembled molecular films onto substrate of varied nature.