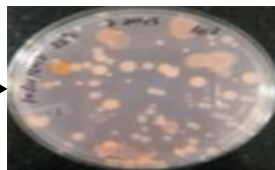
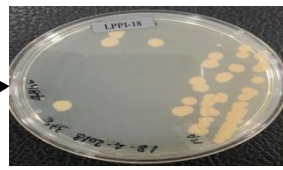




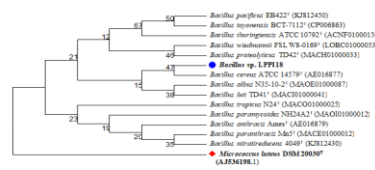
Loktak lake where sample collected



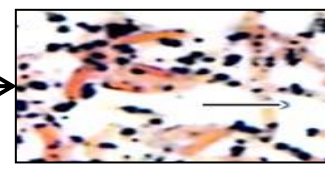
Isolation & Inoculation



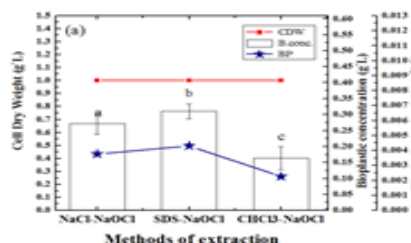
Pure culture from diverse colony



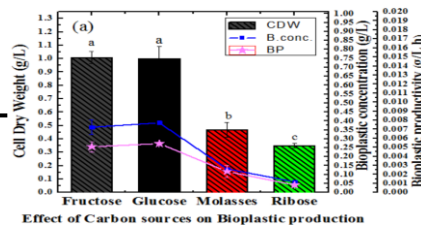
Molecular characterization for Isolate identification



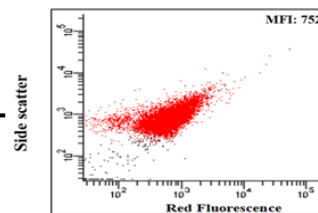
Preliminary screening for PHA using SBB



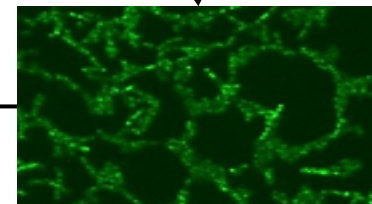
Evaluation and optimization for PHA recovery method



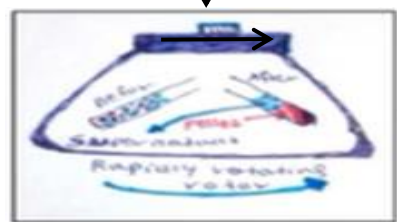
Evaluation of C-source for PHA production



Further confirmation using flow cytometer



Confirming for NBA, specific screening



After extraction centrifugation for to collect PHA



Recovery of PHA from different carbon source



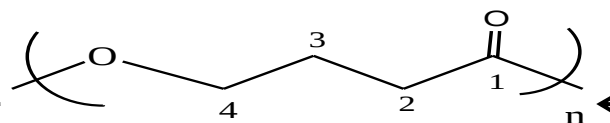
After recovery preparation of PHA film for Mold using MCT



Precipitation of PHA using chloroform for identification

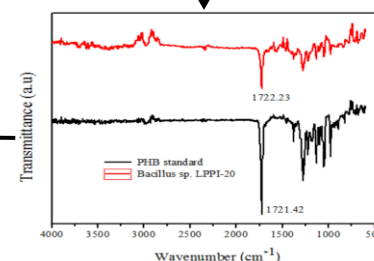


PHB is brittle which is its characteristic feature



Poly(4-hydroxybutyrate)

Characterized compound were predicted as PHB



Characterization of Purified PHA using FTIR