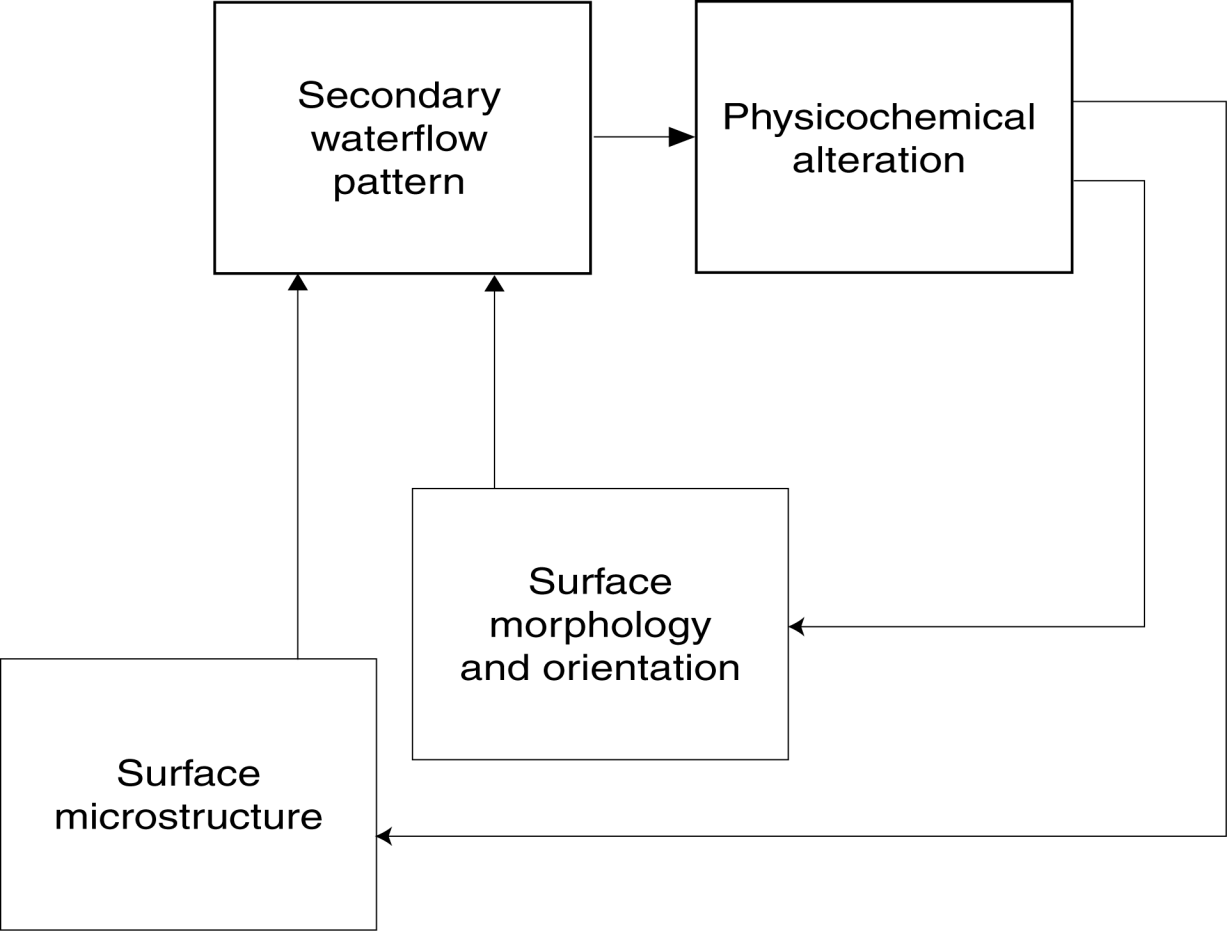
Secondary waterflow pattern
Physicochemical alteration
Surface morphology and orientation
Surface microstructure