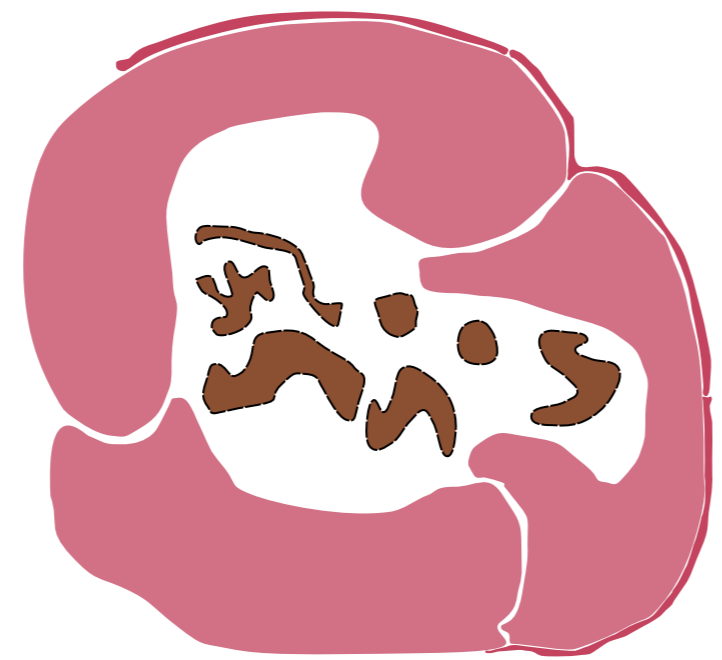


a

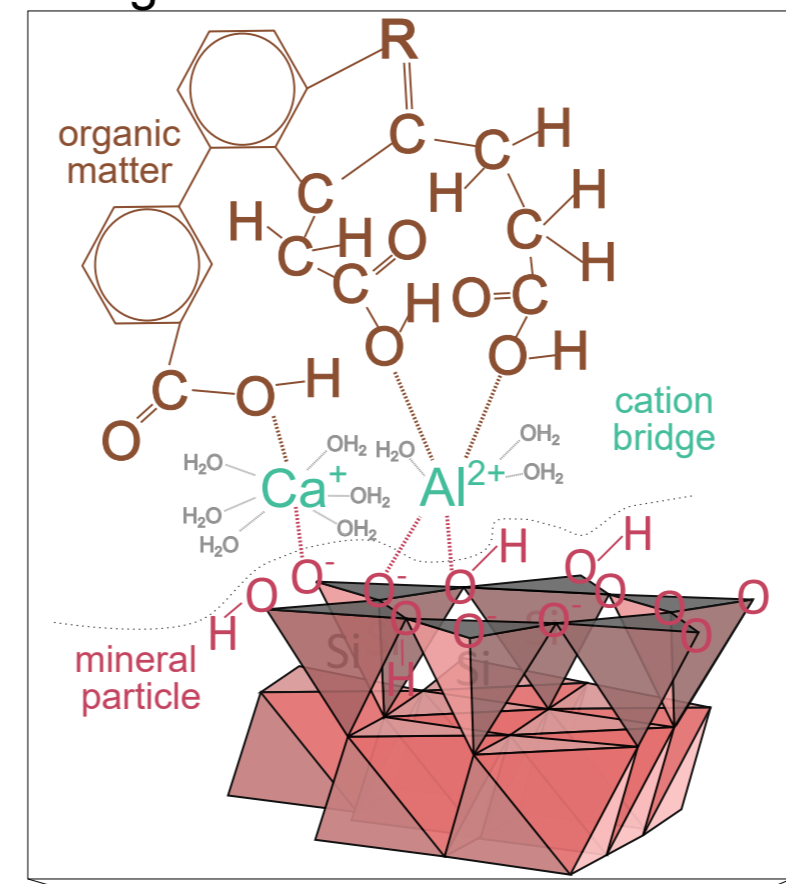
free particulate pool of organic matter



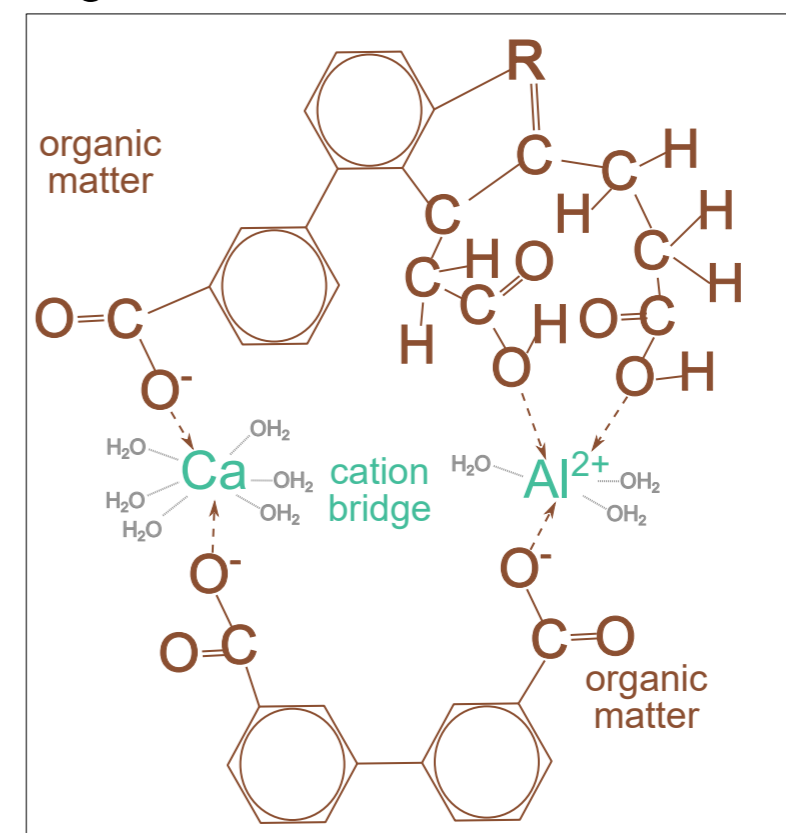
organic matter physically occluded within aggregates



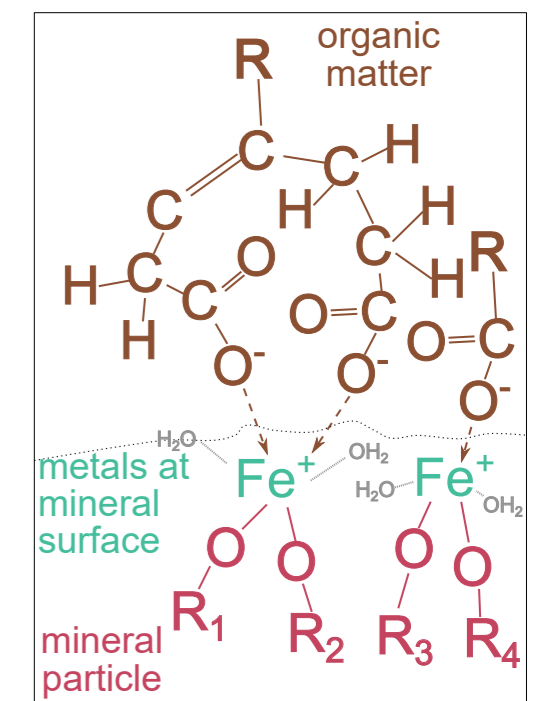
cationic bridges with negatively charged mineral surfaces



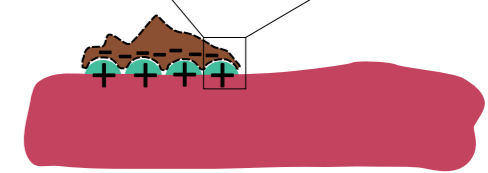
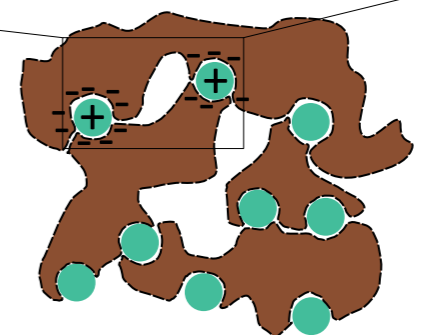
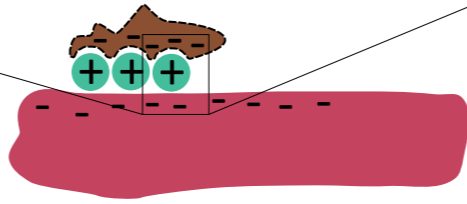
cationic bridges between organic molecules



binding to metal atoms (Al and Fe) at mineral surfaces



- mineral surfaces
- binding cations/metals on mineral surfaces
- organic matter

**b**

decomposition / degradation

*residues from plants and animals**large biopolymers**small biopolymers**monomers***heavy fraction from densimetric fractionation****pyrophosphate extraction****oxalate extraction**

strength of the stabilization mechanism