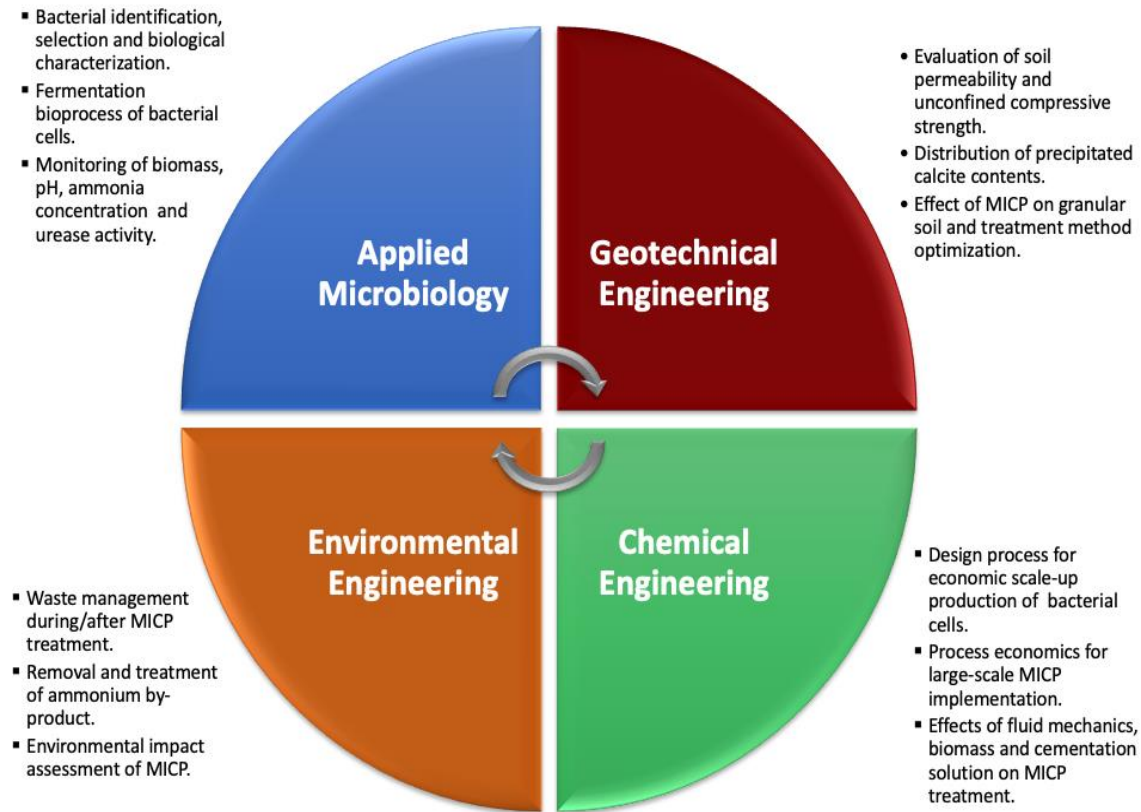


## Supplementary Materials



**Fig. S1.** Multidisciplinary research fields from which numerous analyses are adopted to ensure systematic quality control of ureolysis process for industrial applications.