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Urease-producing bacteria *Pararhodobacter* sp. hydrolyzes urea to bicarbonate and ammonium ions, leading to the formation of CaCO_3 (calcite, rhombohedral crystal) in the presence of calcium ion. Formed CaCO_3 can bind sand particles in water, which can be used for biocementation technique.

This image was taken by Hiranya Nawarathna in Nakashima group, Division of Sustainable Resources Engineering, Hokkaido University (<https://bre.eng.hokudai.ac.jp/en/>) (Copyright@2023 The Society for Biotechnology, Japan).

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