

# APPLIED AND ENVIRONMENTAL MICROBIOLOGY

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*Cover photograph* (Copyright   2011, American Society for Microbiology. All Rights Reserved.): Helical iron oxide stalks of the neutrophilic iron-oxidizing bacterium *Mariprofundus* sp. strain GSB2 (bottom image), isolated from the Great Salt Bay salt marsh, Maine (top image). The bacterium secretes twisted stalks composed of iron oxide fibrils (bottom image). *Mariprofundus* sp. strain GSB2 readily colonizes mild steel and increases the rate of steel corrosion, suggesting that this bacterium may play a role in marine corrosion processes. Scale bar = 1  $\mu$ m. Photos courtesy of Joyce M. McBeth and Jennifer R. Fownes. (See related article on page 1405.)