

Abstract

The present invention is directed to a heavy-metal-adsorbent composition containing bacterial cells obtained from acid treatment of bacteria selected from among *Bacillus* sp. KRI-02 or analogues thereof, *Bacillus licheniformis*, and *Staphylococcus* sp. KRI-04 or analogues thereof; and to a method of removing heavy metals from a heavy-metal-containing medium by use of the composition. The present invention facilitates removal of heavy metals from river water, lake/marsh water, industrial effluents, etc.