

Environmental Purification Materials from Animal Bones

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Place : Aobayama Campus, Research Building of Graduate School of Environmental Studies, Room 505

Bone char, obtained by carbonizing animal bones at high temperatures, has long been used as a natural adsorbent. Although its use in food-related applications has declined in recent years, it still attracts attention in the field of environmental purification as a high-performance material derived from natural sources. In this course, we will evaluate how the physical properties of bone char vary depending on the type of bone and the heating temperature. In addition, we will examine the adsorption characteristics of different bone char samples through experiments using model pollutants. Through these experiments, you will learn techniques for evaluating material properties and gain fundamental knowledge about the effective use of livestock waste and sustainable resource management.

