

## 研究論文

## リンゴ剪定枝由来活性炭の細孔物性に関する研究

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Pore Properties of Activated Carbon from Pruned Apple Branches

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Pore properties of activated carbon made from pruned apple branches on air-activation were investigated by comparison with the carbon from sugi (*Cryptomeria japonica* D.DON) prepared in the same way and commercial activated carbon. The results showed that the activated carbon ash prepared from pruned apple branches contained a lot of calcium, and its ash yield was highest. Besides we found that the external specific surface area and mesopores with the diameter 4-20nm range were the largest. It was supposed to be caused by catalytic action of calcium.

**Key Words** : pruned apple branches, ash, activated carbon, specific surface area, pore volume