



**Biological and  
Agricultural  
Engineering  
Department**

Disclosure number: 1028

## **Activated Carbon from Organic Materials**

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### **Description:**

The invention describes a new process for the creation of activated carbon (or charcoal) from fruit peels or other carbon containing organic waste materials. The process dramatically increases the drying speed of the organic materials required to capture the carbon. Normally, such drying requires large amounts of energy and time, whereas the proposed method uses less energy and is much faster. The carbon is then activated, or made reactive, with chemicals in a special furnace, and can be used for many applications, such as water purification and prevention of gaseous poisoning.

### **Advantages:**

- Faster processing
- More energy efficient

### **Commercial Uses:**

- Production of activated carbon or charcoal
- Production of decontaminants

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