



PROTECTOR

**First industrial application of eco-innovative biotechnological process and product, for recycling and re-use of food industrial waste to economically important and high added value farming products. (ECO/08/238984)
“Converting Trash Into Cash”**

The PROTECTOR is a natural Phosphorous recycling and reuse ZERO EMISSION processing and CARBON NEGATIVE application technology, for economical conversion of agri/food waste bio-resource streams to high added value natural products.

The **INPUT** feed stream is low value animal by-products; such as high Phosphorous mineral content food grade animal bone meal.



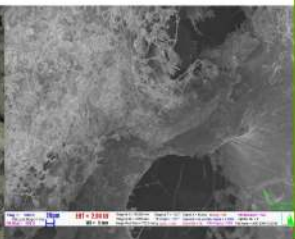
FOOD GRADE BONE



BONE CHARCOAL



BIOTECH Formulation



SEM PICTURE

The revolutionary 3R invention provides **zero emission pyrolysis** technology for high temperature conversion of biomass into **safe and economical bone char mineral** (biochar). The bone char is then biotechnologically processed and formulated by solid state fermentation for production of **high added value natural Phosphorous bio-fertilizer** for low input horticultural farming.

The market demanded **OUTPUT** products is high **P content bone char** and bio-technologically formulated products, which are providing wide range of “bio” agricultural application such as:

- ✓ **natural P mineral fertilizer,**
- ✓ **plant growth promotion material and**
- ✓ **enhanced biocontrol substance.**



EU Authority permitted organic product: 02.5/67/7/2009

AVAILABLE FOR MARKET REPLICATION AND LICENSING
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The PROTECTOR project is co-funded by the Executive Agency for Competitiveness and Innovation (EACI) of the European Commission.