FONTAGROTECH

Lignocellulosic fruit residues for biocomposites or biocatalysts

COLOMBIA, SPAIN

Webstory

Technological solution

In the harvesting and processing of fruits, a great variety and quantity of waste is generated, almost all of it wasted. Several alternatives have been developed for adding value to these materials.

Technological description

Once dried and conditioned, the fruit plantation residues (or lignocellulosic residues) were used as fillers in the elaboration of biocomposite materials to which various properties were measured to evaluate their potential applications such as packaging, parts for vehicles, supports for enzymes, among others.

Impacts and results

- Construction of a sustainable and sustainable innovation model for the blackberry, lulo (naranjilla), passion fruit, guava and tree tomato chain.
- Value was added to the residues of fruit production.
- Prototypes of food and non-food products were developed based on different types of waste.

1200
Benefited families

1276
Training events

14
Papers

18
Training events

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