



Target Markets / Potential Applications

- Pharmaceutical industry
- · Food industry
- Pesticide industry

IP Status

Patent Pending - CO

Offer: Worldwide exclusive license to all potential application

Andean blackberry-based generation of bioactive compounds to apply in multiple human or industrial applications.

Inventors from *Universidad Tecnológica de Pereira* (UTP) have developed a novel process for generating a biofactory of bioactive compounds. Furthermore, they have been shown potential biological activities, including cytotoxic and antioxidant effects, from a cleaning process of natural raw materials based in Andean Blackberry controlled inoculation of a fungus.

Potential Benefits



Natural compounds



High production of antioxidants



High production of cytotoxicity



Natural-based origin larvicide



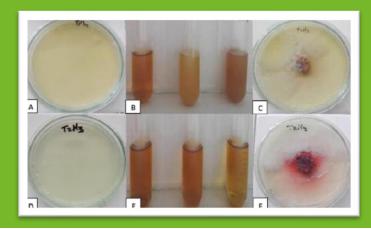
BUSINESS OPPORTUNITY

The need

There is no solid-state fermentation technique applicable to the Blackberry of Castilla or specially to fruits of the Rubus genus to extract products that allow the manufacture of compounds based on fruit extracts.

The solution

In their scientific practices, **UTP** researchers proposed a novel development for cleaning, disinfection and deep sanitization of Andean Blackberry (Rubus Glaucus Benth) fruits. The process resulted in the inoculation of a microorganism or the interaction of filamentous fungi on the blackberry under controlled conditions. Surprisingly, the novel approach generated a controlled biofactory for bio compounds of high-value-added products with increased cytotoxic and antioxidant effects. Potential applications in pharmaceutical, food, and larvicide industries based on a native natural fruit from Latin America.



Illustrates the initial part of the Andean Blackberry (Rubus Glaucus Benth) cleaning process to provide optimal conditions for inoculation.

Inventors



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Invention Readiness Level™ (IRL)

TRL2 - Formulated concept or technology level

Technological applications have been identified.

CRL 1 - Level of the first business hypotheses raised

Business model hypotheses have been proposed.

IPRL 3 – Patent filing in developed markets

Learn more about IRL

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Other relevant information

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