

# BIORESET

## Company

Bioreset is a pioneering Brazilian biotechnology company founded in 2019, dedicated to revolutionizing waste management by converting industrial residues into biodegradable biopolymers. Our main product, polyhydroxyalkanoates (PHAs), is derived from several agricultural and industrial waste such as brewing, paper pulp, sugar cane and others. These biopolymers are fully biodegradable, environmentally friendly, and compatible with existing plastic manufacturing processes, offering a sustainable and economically viable alternative to conventional plastics. With a focus on innovation and sustainability, Bioreset aims to promote a circular economy and significantly reduce plastic pollution. Our team of experts is committed to developing scalable solutions that meet the growing global demand for sustainable materials.

## Differentials

- **Sustainability and Environmental Impact:** Bioreset's PHAs are fully biodegradable, breaking down completely in natural environments such as soil and water without leaving toxic residues or microplastics. This significantly reduces the environmental impact compared to conventional plastics.
- **Circular Economy:** By utilizing industrial waste as raw material, Bioreset promotes a circular economy. This approach minimizes waste, maximizes resource efficiency, and transforms low-value byproducts into high-value biopolymers.
- **Cost-Effectiveness:** The use of industrial residues reduces production costs, making Bioreset's PHAs a cost-competitive alternative to traditional fossil-based plastics.
- **Compatibility with Existing Processes:** Bioreset's biopolymers are designed to be compatible with existing plastic manufacturing processes, allowing for seamless integration without the need for significant capital investments in new equipment.
- **Regulatory Compliance:** Our products comply with stringent international regulations for biodegradable plastics, ensuring they meet the highest standards of quality and environmental responsibility.

## KEY INFO

### Foundation

- 2019

### Status

- TRL 6
- Searching investment to start production and scale-up.

### Key Personnel

- Fernando Piovesana - CEO
- Giovanni Gustavo Bortolansa - COO
- Carlos Eduardo Nascimento Sassano – R&D
- José Geraldo da Cruz Pradella – R&D

### Unique Value Proposition

- Uses industrial residues to produce PHAs;
- Solvent-free processes;
- Promotes a circular economy;
- Reduces environmental pollution;
- Fully biodegradable;
- Compatible with existing plastic manufacturing processes.

### Differentials

- Sustainability and environmental impact;
- Circular economy;
- Cost-effectiveness;
- Compatibility with existing processes;
- Regulatory compliance.

### Market Opportunities in Brazil

- Legislative support;
- Increasing consumer demand for sustainable alternatives;
- Strategic partnerships with local industries;
- Continued innovation and R&D;
- Export potential to international markets.

## The Biopolymers Market in Brazil

The biopolymers market in Brazil is emerging as a key sector within the broader context of sustainable materials. Brazil's commitment to environmental sustainability, coupled with its vast agricultural and industrial activities, provides a fertile ground for the development and adoption of biopolymers.

There are no biodegradable alternatives to plastics in Brazil. Although it produces approximately 280,000 tons of bioplastics annually, primarily from sugarcane, most of it is Green PE, that is biobased, but not biodegradable or compostable.

The Brazilian government is actively promoting the use of bioplastics through policies and initiatives that support sustainable development. This includes the Project of Law 2524/22, which mandates the use of compostable materials for single-use items, creating a significant market opportunity for companies like Bioreset.



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### CONTACT

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