

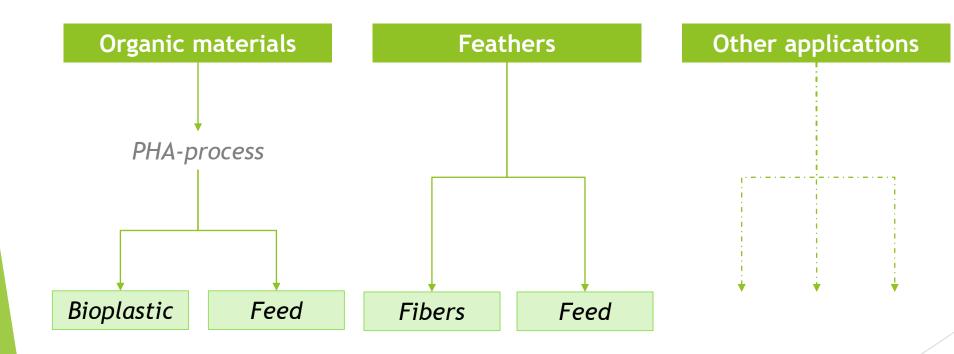
Bioextrax

Turning waste into value

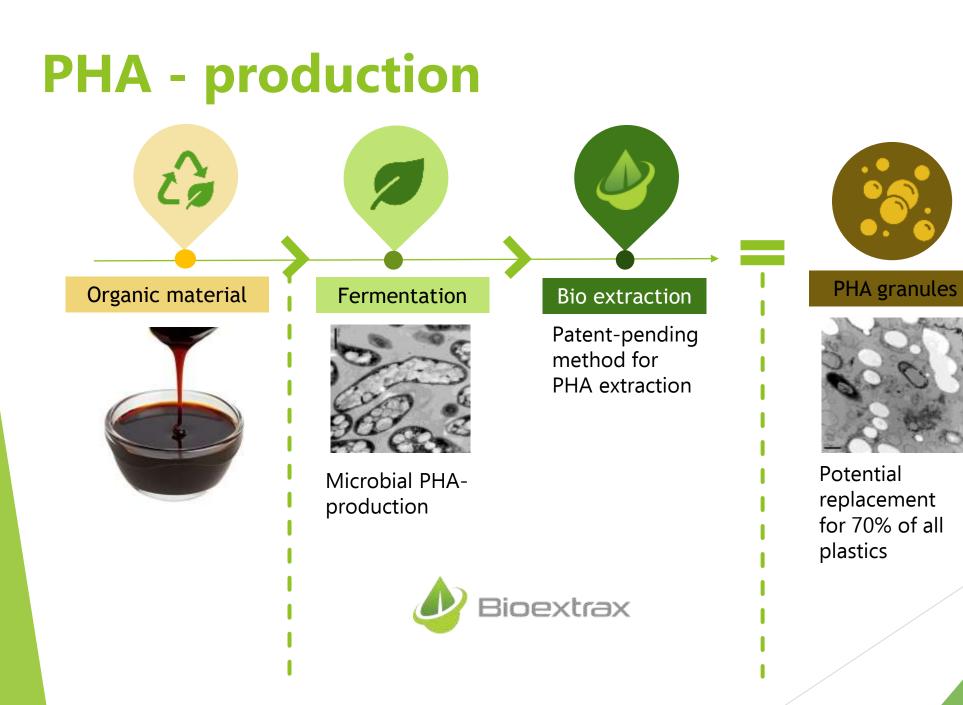
edh@bioextrax.com

Business areas

"Platform technology"



PHA (Bioplastic)



Feed Hydrolyzed single cell protein – represents 10-50% of total production output

PHA – competitive advantages



Bioextrax extraction method reduces the production cost significantly



Environmentally friendly process (no chemicals, little energy)



Produces PHA granules with intact molecular weights

Feathers - feed - microfibers

Valorizing feathers

Chicken meat production generates more than five million tons of chicken feathers every year.



Hydrolyzed Protein

Protein supplement for feed/food



Microfibres

Additives, reinforcements, textiles

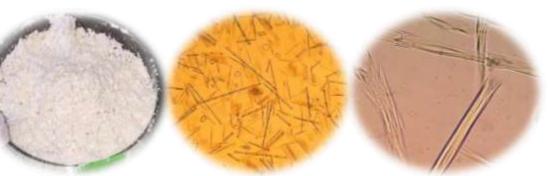
Fraction utilized today

<5%

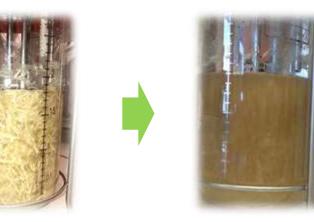
Global poultry production 90M tons / year => 5M tons feathers

Hydrolysis of feathers

Keratin microfibers - Plastic reinforcements, textiles, insulation



Protein for feed





Hollow 30-200 µm Iong, 2-6 µm wide

+90% protein H20 soluable 99.7% digestability