



BIOTECHNOLOGIES

GREENCELL

Expert in biotechnology and microbial ecology

WHO WE ARE?

A leader in microbial ecology, Greencell (a Greentech Group company), produces microorganisms and transforms them into innovative ingredients.

For 25 years, Greencell has been a pioneer in biotechnologies, expert in industrial fermentation (solid and liquid), with reference products in bio-fertilization, bio-stimulation, bio-control, treatment of polluted environments.

Greencell is also a pioneer in microbiota research.

OUR VISION

IN 2050, OUR PLANET WILL BE HOME OF 10 BILLION PEOPLE

As our biggest challenge, we will have to supply sufficient quantities of healthy food to everyone, without disturbing the climate. Biotechnologies are part of the solution. They enable today the longue-due transformation of industrial models, the implementation of sustainable alternatives, in a more resilient economy, based on renewable living resources.

OUR STRENGTH: CROSS-FERTILIZATION

With researchers in many fields, we cross disciplines; because everything is linked in this fragile equilibrium in which we live, our expertise inspires each other in a cross-fertilization. Agro-ecology, cosmetics, environment, nutrition and health are the fields of expertise that benefit from this ethical and innovative impetus in meeting the challenges of tomorrow.

THINKING INNOVATION, THINKING PROGRESS

No innovation without progress. We innovate continuously in a spirit of shared progress to offer natural alternatives with proven effectiveness, for a better and healthier world, for the benefit of future generations.



OUR MARKETS

The natural benefits of microorganisms are applicable to many markets:

AGRONOMY CULTIVATING WELL

A natural response to the societal challenges of modern agriculture.

Biofertilization & biocontrol products



ENVIRONMENT PRESERVING NATURE

We support industries, in the **pollution control** of water and soils,

in particular with specific microbial cocktails that improve the performance of wastewater treatment plants (reduction of odors, foul-smelling, better purification yields, reduced operating costs).



NUTRITION HISTORICAL PROFESSION

Production of ripening flora for cheese, **malolactic fermentation** for oenology and **custom probiotic strains** for nutraceuticals.



HEALTH & WELL-BEING BETTER CARE & BEAUTY

Renewable, eco-friendly and **bioactive ingredients** for the **cosmetic field**, fermentation processes and raw materials for **pharmaceutical use** (MPUP).

The targeted diseases are obesity, chronic inflammatory bowel diseases (IBD), neurodegenerative diseases such as Parkinson's and Alzheimer's.



OUR RESEARCH

Greencell is involved in various regional, national and European **research programs around microbiology and its valuation** - BBI project (grape trunk disease), «sclerotinia» folder (Biocontrol-field experimentation phase for rapeseed), MOPAD folder (Biocontrol-4th year field experimentation phase).

THE MICROBIOTA AT THE HEART OF OUR INNOVATION

Nutrition, health

Increase, diversification of human and animal microbiota by prebiotics

Prevention of negative physiological effects related to obesity and underlying inflammations by the actions of probiotic strains

Agronomy

Development of Biocontrol products with 3 modes of action against diseases:

- induction of natural plant defenses natural defenses of plants
- inhibition of pathogens by synthesis of antibiotic molecules
- spatial and trophic competition for the acquisition of nutrients

Environment

Development and production of bioaugmentation solutions for the amplification and acceleration of biological treatments of soil contaminated by organic pollutants such as hydrocarbons.

OUR PRODUCTION

EXPERTISE & AGILITY IN INDUSTRIAL FERMENTATION

Expert in **industrial fermentation (solid/liquid - aerobic/anaerobic)**, Greencell is also a **CDMO** (Contract Development and Manufacturing Organization).

Our teams have useful skills at all stages of service needs. From your ideas of principle, your bench-top developments, to routine production, Greencell builds solutions on industrial fermenters.

All our services (production, R&D, quality control, etc.) and process facilities allow the agility required during scale-up and the capacity specific to biotechnology production plants.

