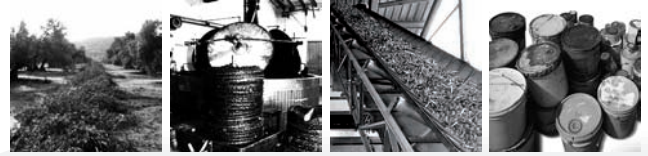


FROM WASTE TO VALUABLE PRODUCTS

One way to improve the profitability of current industrial processes is to use their residues or by-products as feedstock to obtain added-value compounds through fast, cheap and environmental-friendly bioprocesses.

BY-PRODUCTS



ISOLATION

Microbes are isolated from extreme environments worldwide.



FEEDSTOCK ORIENTED SCREENING

High-Throughput Screening techniques are used to find the best candidate strain for specific processes.



How can it be achieved?

Neuron BioIndustrial has developed MICROBIOTOOLS®, an innovative technological platform to develop biosolutions from our proprietary culture collection.

OPTIMIZATION

Once selected, a strain/process optimization program starts.



Increase your by-products profitability

MICROBIOTOOLS® also offers you many chances to transform your by-products into added-value compounds.

SCALE-UP

The process is scaled-up to bioreactors in our laboratories to obtain the maximum yield and productivity.



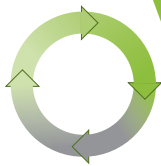
INDUSTRIAL SCALE-UP

Finally the process is scaled-up in industrial bioreactors from 300-2,000 litres.



INTEGRAL SOLUTION

Neuron BioIndustrial offers turn-key solutions including technical consultancy, technical and economical feasibility studies and start-up assistance.



Functional Ingredients

"Smart" ingredients to be added in food, beverages or nutritional supplements that can help to prevent diseases or to improve our quality of life.



Statins BioSynthesis*



A new method to synthesize statins derivatives (one of the most consumed drugs) through a simple, cheap and environmental-friendly method.

Biopolymers



A process to obtain triply "Bio" polymers: biodegradable, biocompatible and from renewable bioresources.

MicroBioOil*

A process to transform the glycerine surplus into oil suitable to produce more biodiesel (norms EN1424 & ASTM D6751-08).



* Patent filed