Aprovechamiento de compuestos bioactivos a partir de residuos agroindustriales
• Hollejo
• Almazaras
• Grasas de pescado
Polifenoles

Ácidos grasos polinsaturados
Fitosteroides

Ácidos grasos polinsaturados
Omega-3, omega-6

Ácidos grasos polinsaturados
Supercritical Fluid Extraction
Spray drying

Slurry spray

Hot air evaporates fluid from slurry droplet. This allows the dried particle to fall under gravity.

Hot air

Dried particles fall

Dried particles collected as powder
Encapsulamiento

Controlled release
therapeutic window for drugs, triggered release for flavors

Stability
against shear forces in a bioreactor

Coating
with functional groups

Protection
from environment or immune system

Immobilization
enzymes for biotransformation

Dosage and storage
improved handling, safety for consumers
Eskerrik asko!