

BIOMYCS S.R.L.

SPIN-OFF ACCREDITATA DALL'UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

WWW.BIOMYCS.COM

PRESENTATION

We are a newly established start-up biotech company incubated at the University of Milano-Bicocca applying cutting-edge synthetic biology and bioengineering for the production of molecules of commercial interest using eco-friendly sustainable processes (biomanufacturing). By combining genome editing technologies and microbial fermentation in integrated biorefineries, we turn non-edible organic residues into valuable added-value products for a wide range of commercial sectors. Our cutting-edge technology and R&D capabilities exploit the increasing power of Biotechnology to design microorganisms and industrial processes to transform waste biomasses into products of industrial interest. BiomyCS research team combines intuition and know-how to address the key challenges of our customers through tailored / commissioned projects, developing solutions that align superior performance with sustainability. Our technology allows to produce many of the materials used in the products we use every day in a sustainable way to safeguard our planet. We therefore produce ingredients for different industries that have highly polluting and most harmful production processes in a sustainable way and from sustainable resources. Our research and development team continues to drive more sustainable ingredients with a wide range of applications, with a focus on specialty ingredients for Cosmetics and Nutraceutical, where we want to bring the greatest possible impact. BiomyCS can provide significant benefits to our customers if compared to traditional production model (based on chemical synthesis):

- 1) Circular Bioeconomy, by increasing waste recycling: the biological production processes of BiomyCS have an upcycle approach that uses organic residues from other industrial process as input, in a logic of industrial symbiosis, also leveraging novel value chains;
- 2) Sustainability, by reducing environmental footprint: BiomyCS cutting-edge technologies are based on eco-friendly biological production processes implementing natural, evolved and engineered yeasts;
- 3) Availability, by overcome current material scarcity: BiomyCS leverages state-of-the-art technologies that make previously scarce compounds more easily available;
- 4) Regulatory requirements, by preserve business continuity: BiomyCS technologies ensures the adherence to most stringent regulation, anticipating regulatory requirements and market demands.

PRODUCTS & SERVICES

- Commissioned projects focused on synthetic biology and bioengineering for the production of molecules of commercial interest using eco-friendly sustainable processes (biomanufacturing)
- Production and commercialization of compounds for Cosmetic and Nutraceutical, like (list not exhaustive):
 - a) Terpenoids;
 - b) Peptides;
 - c) Polyphenols.

Team

Marco Valsecchi, Chief Executive Officer
Paola Branduardi, Chief Scientific Officer
Paola Scaffidi, Scientific Advisor
Riccardo Milanese, Technologist
Vittorio Giorgio Senatore, Researcher
Pietro Butti, Researcher
Francesco Catrambone, Researcher
Letizia Maestroni, Researcher

Support

Consorzio Italbiotec.

Sector

Experimental research and development in the field of biotechnology.

Contact

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