



B-Plas

**A brand of
Aqseptence Group**

PHB into PHB: Recycling of polyhydroxybutyrate by a tandem “thermolytic distillation-microbial fermentation” process

Samorì, Chiara; Martinez, Gonzalo Agustin; Bertin, Lorenzo; Pagliano, Giorgia; Parodi, Adriano; Torri, Cristian; Galletti, Paola
DOI: [10.1016/j.resconrec.2021.106082](https://doi.org/10.1016/j.resconrec.2021.106082)

Resources, conservation, and recycling, 2022, Vol. 178, p. 106082

Recovery of Polyhydroxyalkanoates From Single and Mixed Microbial Cultures: A Review

Pagliano, G., Galletti, P., Samorì, C., Zaghini, A., Torri, C.

Frontiers in Bioengineering and Biotechnology, 2021, 9, 624021

Biological treatment of Hydrothermal Liquefaction (HTL) wastewater: Analytical evaluation of continuous process streams

Torri, C., Kiwan, A., Cavallo, M., Pagliano G., Miglio, R.

Journal of Water Process Engineering, 2021, 40, 101798

Chemical Recycling of Polyhydroxybutyrate (PHB) into Bio-Based Solvents and Their Use in a Circular PHB Extraction

Parodi, Adriano; D’Ambrosio, Martina; Mazzocchetti, Laura; Martinez, Gonzalo A; Samorì, Chiara; Torri, Cristian; Galletti, Paola
DOI: [10.1021/acssuschemeng.1c03299](https://doi.org/10.1021/acssuschemeng.1c03299)

ACS sustainable chemistry & engineering, 2021, Vol. 9(37), pp. 12575-12583

Bio-based crotonic acid from polyhydroxybutyrate: synthesis and photocatalyzed hydroacylation

Parodi, A., Jorea, A., Fagnoni, M., Ravelli, D., Samorì, C., Torri, C., Galletti, P.

2021 Green Chemistry, 23(9), pp. 3420-3427

Polyhydroxyalkanoates and Crotonic Acid from Anaerobically Digested Sewage Sludge

Samorì, C., Kiwan, A., Torri, C., Galletti, P., Tagliavini, E.

ACS Sustainable Chemistry and Engineering, 2019, 7(12), pp. 10266-10273

Renewable alkenes from the hydrothermal treatment of polyhydroxyalkanoates-containing sludge

Torri, C., Weme, T.D.O., Samorì, C., Kiwan, A., Brilman, D.W.F.

2017 Environmental Science and Technology, 51(21), pp. 12683-12691

Fast method for the determination of short-chain-length polyhydroxyalkanoates (scl-PHAs) in bacterial samples by In Vial-Thermolysis (IVT)

Abbondanzi, F.; Biscaro, G.; Carvalho, G.; Favaro, L.; Lemos, P.; Paglione, M.; Samorì, C.; Torri, C.

DOI: [10.1016/j.nbt.2017.05.012](https://doi.org/10.1016/j.nbt.2017.05.012)

New biotechnology, 2017, Vol. 39, p. 29-35

Extraction of polyhydroxyalkanoates from mixed microbial cultures: Impact on polymer quality and recovery

Samorì, Chiara; Abbondanzi, Federica; Galletti, Paola; Giorgini, Loris; Mazzocchetti, Laura; Torri, Cristian; Tagliavini, Emilio

DOI: [10.1016/j.biortech.2015.03.062](https://doi.org/10.1016/j.biortech.2015.03.062)

Bioresource technology, 2015, Vol. 189, p. 195-202

Dimethyl carbonate and switchable anionic surfactants: Two effective tools for the extraction of polyhydroxyalkanoates from microbial biomass

Samorì, C., Basaglia, M., Casella, S., (...), Torri, C., Tagliavini, E.

2015 Green Chemistry, 17(2), pp. 1047-1056