

Tematica și bibliografia

proiectul PN-IV-P1-PCE-2023-2007(79PCE/01.07.2025) - Enzime imobilizate pentru degradarea PET pentru controlul microplasticurilor (detectie si eliminare)

Detectia si degradarea materialelor plastice pe baza de polietilentereftalat prin metode enzimatic.

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2. Sara Cantone, Valerio Ferrario, Livia Corici, Cynthia Ebert, Diana Fattor, Patrizia Spizzo, Lucia Gardossi: Efficient immobilisation of industrial biocatalysts: criteria and constraints for the selection of organic polymeric carriers and immobilisation methods, *Chem Soc Rev* (2013) 42, 6262-6276, DOI: 10.1039/c3cs35464d
3. Yunpu Jia, Nadia A. Samak, Xuemi Hao, Zheng Chen, Gama Yang, Xuhao Zhao, Tingzhen Mu, Maohua Yang, Jianmin Xing: Nano-immobilization of PETase enzyme for enhanced polyethylene terephthalate biodegradation, *Biochemical Engineering Journal* (2021)176,108205, DOI: 10.1016/j.bej.2021.108205
4. Curt Waltemann, Carolyn E. Mills, Jeremy Wang, Baofu Qiao, John M. Torkelson, Danielle Tullman-Ercek, Monica Olvera de la Cruz: Functional enzyme–polymer complexes, *PNAS* (2022)119(13), e2119509119, DOI: 10.1073/pnas.2119509119