

SUSTAINABLE MATERIALS, PROCESSES AND SYSTEMS FOR ENERGY TRANSITION

MUR DM 118 - Sustainable biocatalytic processes for waste valorization and production of new high value compounds

Funded By	MINISTERO DELL'UNIVERSITA' E DELLA RICERCA [P.iva/CF:97429780584] UNIVERSITA' DEGLI STUDI DI TORINO [P.iva/CF:02099550010]
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Context of the research activity	<p>The application of enzymes in the production of organic molecules is a topic of biotechnological interest, especially if their source is waste material. Indeed, the selectivity of enzyme-catalyzed reactions can be exploited to produce a desired molecule as well as a variety of new molecules with interesting properties for the chemical, pharmaceutical, food and cosmetic industries. The project will focus on the valorization of compounds present in waste material using biocatalytic approaches.</p> <p>Progetto finanziato nell'ambito del PNRR - DM 118 per Transizione energetica - CUP E14D23001840006</p>
Objectives	<p>Progetto finanziato nell'ambito del PNRR - DM 118 per Transizione energetica - CUP E14D23001840006</p> <p>Scientific Responsible: Giovanna Di Nardo, University of Torino, giovanna.dinardo@unito.it</p> <p>Main seat to carry out the research activity: University of Torino - 10100 Torino</p>
Skills and competencies for the development of the activity	<p>The candidate should possess an advanced knowledge in protein biochemistry, enzymology, molecular biology and organic chemistry together with a basic experience in laboratory techniques related to protein production and characterization or to analytic techniques for organic compounds identification.</p>