

1. Record Nr.	UNINA9910346927603321
Autore	Magario Ivana
Titolo	Enzyme reaction engineering for the conversion of emulsified di-rhamnolipid by free and immobilized Naringinase
Pubbl/distr/stampa	KIT Scientific Publishing, 2009
ISBN	1000010067
Descrizione fisica	1 online resource (131 p. p.)
Soggetti	Biotechnology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Process optimization was conducted for the conversion of the aggregate-building substrate di-rhamnolipid to mono-rhamnolipid by Alpha-L-rhamnosidase from <i>Penicillium decumbens</i> and resulting in: (I) selection of optimal reaction conditions for enzyme activity and stability, (II) modeling of the reaction time course assuming mixed aggregates as a second phase, and (III) high mass diffusion resistances were completely overcome by the use of non-porous magnetic enzyme micro-carriers.