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	Nota di contenuto	Catherine Madzak and Jean Marie Beckerich: Heterologous protein expression and secretion in Yarrowia lipolytica David Ogrydziak: Acid and alkaline extracellular proteases of Yarrowia lipolytica Patrick Fickers, Vincent Sauveplane and Jean Marc Nicaud: The lipases from Y. lipolytica: genetics, production, regulation and biochemical characterization Patrick Fickers and Jean Marc Nicaud: Biotechnological applications of Yarrowia lipolytica lipases: an overview Christina Otto, Martina Holz and Gerold Barth: Production of organic acids by Yarrowia lipolytica Yves Waché: Production of dicarboxylic acids and flagrances by Yarrowia lipolytica Vladimir Shkumatov et al.: Cytochrome P450 expression in Yarrowia lipolytica and its use in steroid biotransformation Stephan Mauersberger: Cytochrom P450 of the alkane-utilizing yeast Yarrowia lipolytica.
	Sommario/riassunto	Due to various special physiological features and a genome that greatly differs in structure, gene content and organization from other yeasts, Y. lipolytica is widely used as a host system. With its characteristics, such as the ability to grow on lipids or grease, to accumulate oil and

the high capacity for secretion of proteases and lipases, the yeast is of great interest for biotechnological applications. The main topics covered in this Microbiology Monograph are: expression and secretion of heterologous proteins; acid and alkaline extracellular proteases; genetics, production, biochemical characterization and biotechnological application of lipases; production and secretion of several organic acids and flagrances; as well as the functional expression of P450 systems and its use in steroid biotransformation.