

<p><b>LM</b> <b>BCM</b></p>	<p><b>Espressione eterologa e microrganismi</b></p> <p>Uso industriale dei microrganismi: generalità, storia e campi di applicazione. Scelta dell'ospite ottimale: concetto e impiego del Codon Adaptation Index e del PLS-modeling. I microrganismi di interesse biotecnologico: inquadramento tassonomico, caratteristiche, esigenze, manipolazione genetica, ed espressione in: <i>Escherichia coli</i>, <i>Streptomyces</i>, <i>Bacillus</i>, Batteri acido lattici (LABS), Lieviti (<i>Saccharomyces</i>, <i>Hansenula</i>, <i>Pichia</i>, <i>Kluyveromyces</i>).</p>	<p><b>Microorganisms and heterologous expression</b></p> <p>Microorganisms and biotechnology: basics, history, research fields. Choosing the optimal host: Codon adaptation index and PLS modeling</p> <p>Industrially employed microorganisms. Microbes for biotechnologies: taxonomy, features, cultivation, genetic manipulation and heterologous expression in Bacteria: (<i>Escherichia coli</i>; <i>Bacillus</i>, Lactic Acid bacilli – LABs-and <i>Streptomyces</i>) and -Yeasts (<i>Saccharomyces</i>, <i>Hansenula</i>, <i>Pichia</i>, <i>Kluyveromyces</i>)</p>
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