DESCRIPTION

Aims and Scope:

Metabolic Engineering (MBE) is devoted to the publication of original research papers on the directed modulation of metabolic pathways for metabolite over production or the improvement of cellular properties. Papers describing native pathway engineering and synthesis of heterologous pathways for converting microorganisms into microbial cell factories are also welcome.

Experimental, computational, and modelling approaches for the elucidation of metabolic pathways and their manipulation by genetic, media, or other environmental means are presented. Efficient probing of metabolic pathways requires the application of appropriate methods from molecular biology and biochemistry, along with modeling and data analysis techniques from engineering. MBE provides a forum for communicating such interdisciplinary research, as well as relevant results in the constituent areas of biochemistry, molecular biology, applied microbiology, cellular physiology, cellular nutrition in health and disease, and biochemical engineering.

Types of papers: Original Research Papers, Review Papers.

Authors are also welcome to submit to MBE’s companion title, Metabolic Engineering Communications, which publishes shorter articles and those describing key elements of larger metabolic engineering efforts.

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INTRODUCTION
Metabolic Engineering (MBE) is devoted to the publication of original research papers on the directed modulation of metabolic pathways for metabolite over production or the improvement of cellular properties. Papers describing native pathway engineering and synthesis of heterologous pathways for converting microorganisms into microbial cell factories are also welcome.

Experimental, computational, and modelling approaches for the elucidation of metabolic pathways and their manipulation by genetic, media, or other environmental means are presented. Efficient probing of metabolic pathways requires the application of appropriate methods from molecular biology and biochemistry, along with modeling and data analysis techniques from engineering. MBE provides a forum for communicating such interdisciplinary research, as well as relevant results in the constituent areas of biochemistry, molecular biology, applied microbiology, cellular physiology, cellular nutrition in health and disease, and biochemical engineering.

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Types of papers: Original Research Papers, Review Papers.

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