



Streptomyces: Biology and Biotechnology

from Microbial Biotechnology

Streptomyces are abundant, highly differentiated G+C rich, Gram-positive soil bacteria, which have an amazing repertoire to contribute to many processes of ecological importance. They have seemingly endless abilities to degrade macromolecules and to modify and synthesize chemically divergent compounds, including bioactive secondary metabolites such as antibiotics, anticancer drugs, immunosuppressants and statins. These features together with the availability of genomic information make them also indispensable for biotechnological applications.

The special issue aims to address new developments within the biology and biotechnology, including:

Biocontrol

Bioconversion

Biosynthesis of novel metabolites

Genome mining and biotechnical applications

Role and application of novel proteins

Sensing systems

Systems Biology

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Deadline for submissions: July 10th, 2010

Publication date: November, 2010

