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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Activating the expression of natural product biosynthetic gene clusters -- Bioprospecting metagenomes for new bioactive agents -- Dereplication methods for identifying new secondary metabolites from extremophiles -- Summary and concluding remarks.
Sommario/riassunto	This SpringerBrief sheds new light on bioactive materials from extremophiles with the focus on the biosynthesis processes and related genomics. It deals with all aspects of the chemical compounds produced by organisms living under extreme conditions that may have potential as drugs or lead to novel drugs for human use.