

RESEARCH TITLE

**BENEFITS AND MECHANISM OF ACTIONS OF BACTERIOCINS IN
LACTIC ACID BACTERIA**

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Abstract

Bacteriocins are the products of secondary metabolism of several bacterial genera that exhibit antimicrobial activity. Although there are many bacteria that produce bacteriocins today, no way has been developed how these biological molecules are classified. Many have not been authorized for therapeutic use against multi-antibiotic-resistant microorganisms due to their potential toxic effects, although recent studies have made progress in understanding and demonstrating their medical and biological importance and mechanisms of action against microorganisms, and so they can be optimally used to solve many health and food conservation problems. The objective of this review was to review information about bacteriocins, their types and mechanisms of action, and the applications of their use in the food, pharmaceutical and biotechnology industries.

Key Words: Bacteriocins, Inhibitory spectrum, Mechanism of action, Applications.