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# The Bacteriocins

# Current Knowledge and Future Prospects

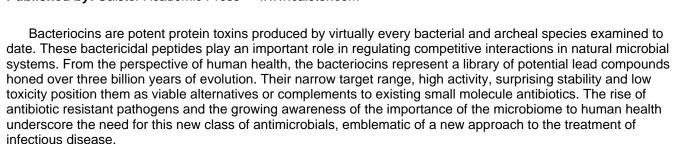
Edited by: Robert L. Dorit, Sandra M. Roy and Margaret A. Riley

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In this volume, a range of experts explore our current understanding of the biology of these important compounds, and identify the prospects for their use in medical and veterinary applications. In so doing, this volume introduces the vast diversity of bacteriocin molecules and mechanisms and brings readers to the cutting edge of a new XXIst century approach to antibiotic discovery and design. Topics covered include: the natural history of bacteriocins; killing strategies and applications of microcins; the mode of action of nuclease colicins; the role of the van der Waals zone in the design of a new family of bacteriocins; the use of pyocins in the treatment of infections; the role of streptococccal bacteriocins as oral probiotics; veterinary applications of bacteriocins (nisin) in treating mastitis, and an exploration of the genetics of bacteriocin resistance.

This volume is essential reading for everyone involved in antimicrobial research in academia, biotechnology companies, and the pharmaceutical industry and a recommended volume for all microbiology libraries.

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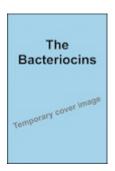
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