



Microbial Cell Surface Hydrophobicity

Edited by **R. J. Doyle**, *University of Louisville, Louisville, Ky.*, and **Mel Rosenberg**, *Tel Aviv University, Ramat Aviv, Israel*

Despite the voluminous journal literature on the hydrophobicity of microorganisms, its structural basis, and its role in microbial adhesion to surfaces, in differentiation, and in morphogenesis, this is the first book devoted to this subject. There has been a growing realization that hydrophobic interactions play a role in many, if not most, microbial adhesion phenomena, including microbial adhesion to soft host tissues, implants and prostheses, contact lenses, glass, oil, steel, teeth, submerged aquatic surfaces, plants, and fish.

This monograph covers in clear detail the hydrophobicities of fungi, especially *Candida* spp., and of staphylococci, streptococci, oral bacteria, soil and aquatic bacteria, the *Enterobacteriaceae*, and other Gram-negative bacteria. Each chapter is richly referenced, for those interested in delving further into a specific topic. The authors in this book were selected based on their substantial contributions to the field. Medical, applied, and environmental microbiologists; environmental, microbial, and petroleum engineers; infectious-disease physicians and researchers; and oral biologists will all benefit from this excellent summary and review.

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Edited by **Monica Riley**, *Marine Biological Laboratory, Woods Hole, Massachusetts*, and **Karl Drlica**, *Public Health Research Institute and New York University School of Medicine, New York, New York*

This unique volume reviews current research at the forefront of investigation into the structure and function of the bacterial chromosome, summarizes the foundations of this research in previous work, and provides insights into future trends and directions. The need for such a compilation became apparent to many leading experts who assembled at a 1988 ASM conference. From there, the project soon expanded into an ambitious review encompassing perspectives ranging from bacterial genetics through molecular biology, biochemistry, and microbiology and including such useful features as detailed structural models and up-to-date genetic maps.

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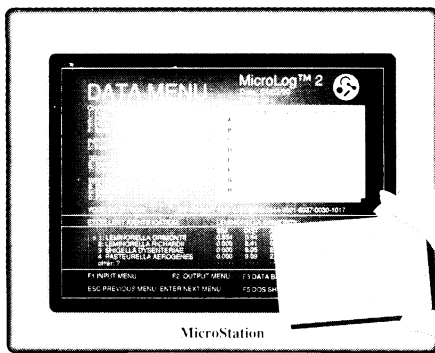
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Differentiation of Brucella Biovars Using the Biolog System. D. R. Ewalt, J. B. Payeur, and B. R. Bochner. Abstracts of the 33rd Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians, 1990, p.73.

Carbon Utilization Patterns of Brucella sp., J. Wong. Abstracts of the 89th Annual Meeting of the American Society for Microbiology, 1989, p.428.

E. COLI

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Species Identification of Aeromonas Strains Based on Carbon Substrate Oxidation Profiles. A. M. Carnahan, S. W. Joseph, and J. M. Janda. Journal of Clinical Microbiology, 1989, v.27, no.9, p.2128.

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