

BOOK REVIEW

Kjelleberg, Staffan, ed. *Starvation in Bacteria*. New York: Plenum Press, 1993. ISBN 0-306-44430-5, hardcover, 277 pp., index, black and white illustrations, US\$75. Order from Plenum Publishing Corporation, 233 Spring Street, New York 10013-1578, U.S.A.

This volume provides an up-to-date presentation of starvation and stationary phase biology of non-differentiating bacteria in different ecosystems and organisms. Spurred by increased research in the field and recent findings on the molecular basis of starvation-induced non-growing bacterial cells, international researchers detail the latest progress and explore different approaches for the study of starvation in bacteria. Contributors describe the genetic mechanisms and physiological features of adaptation to starvation by different bacteria and address prevailing ecosystem conditions that affect

intermittent growth or long-term starvation in bacteria. Investigations emphasize the ecological role of starved bacteria, exploring the identification and regulation of starvation specific genes and the global control systems that coordinate their expression. Chapters include ● bioavailability of energy and the starvation state ● bacterial responses to soil stimuli ● starvation and recovery of vibrio ● the impact of nutritional state on the microevolution of ribosomes. *Starvation in Bacteria* is an essential reference for researchers in the fields of microbiology, bacterial physiology and ecology, applied bacteriology, and environmental biotechnology.—Plenum Press promotional material

To the student of the noncultivable *Mycobacterium leprae* this book provides a wealth of useful insights into bacterial survival without replication *in vitro*.—RCH