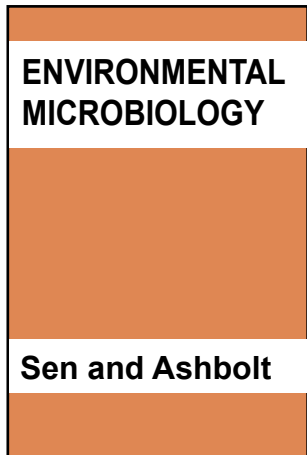


ENVIRONMENTAL MICROBIOLOGY

CURRENT TECHNOLOGY AND WATER APPLICATIONS



Edited by: **Keya Sen and Nicholas J. Ashbolt**
 c. 310 pp., September 2010
 ISBN 978-1-904455-70-7 \$310/£159
 Published by: **Caister Academic Press** www.caister.com

With contributions from a broad range of leading researchers this book focuses on current technology and its applications. Although aimed primarily at research scientists and graduate students in water microbiology, the topics and techniques are equally applicable to all branches of environmental microbiology. The initial chapters cover the concentration, detection and characterization of microbes in drinking water, other chapters are technology focused and cover topics such as geochips and microarrays and their applications, Raman microspectroscopy and related single cell techniques, the use of amoebae hosts, bacteria and bacteriophage as bioreporters, viability of detected microbes and fecal source tracking.

Authors have included comparative tables and figures that address detection sensitivity, specificity, ease of use and other criteria. The value of the book emanates from its explanation of principles of a technique and the comparison of related techniques. In addition the reader is introduced to key references and important web sites where further details of the technology can be found. An essential book for water microbiologists, environmental microbiologists and regulators and recommended reading for all microbiologists and environmental scientists.

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