The pseudomonads comprise bacterial species which emerged as model organisms to study important microbial processes such as biofilm formation, plant-growth promotion and biodegradation. The use of *Pseudomonas* bacteria in biotechnological production has exponentially increased over the past few years. *Pseudomonas*-related products and services are found across a wide range of industrial areas, including the manufacture of chemicals, biopharmaceuticals and biocatalysts.

Concise and up-to-date, this handy guide fills a gap in the literature by providing the essential knowledge for everyone with an interest in the topic. The result is a comprehensive overview of the most important model organism in applied and medical microbiology that covers basic biology, pathology and biotechnological applications.

Bernd Rehm *is Professor and Chair of Microbiology at Massey University in New Zealand. Having obtained his academic degrees at the Universities of Bochum and Münster (Germany), he spent two years at the University of British Columbia (Canada), before establishing his own research program at the University of Münster. In 2003, he took up his present appointment at Massey University.*
Bernd Rehm authored and co-authored over ninety scientific publications. He is sole editor of three books, co-organizer of the international symposium on biological polyester and member of the editorial board for several scientific journals.

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