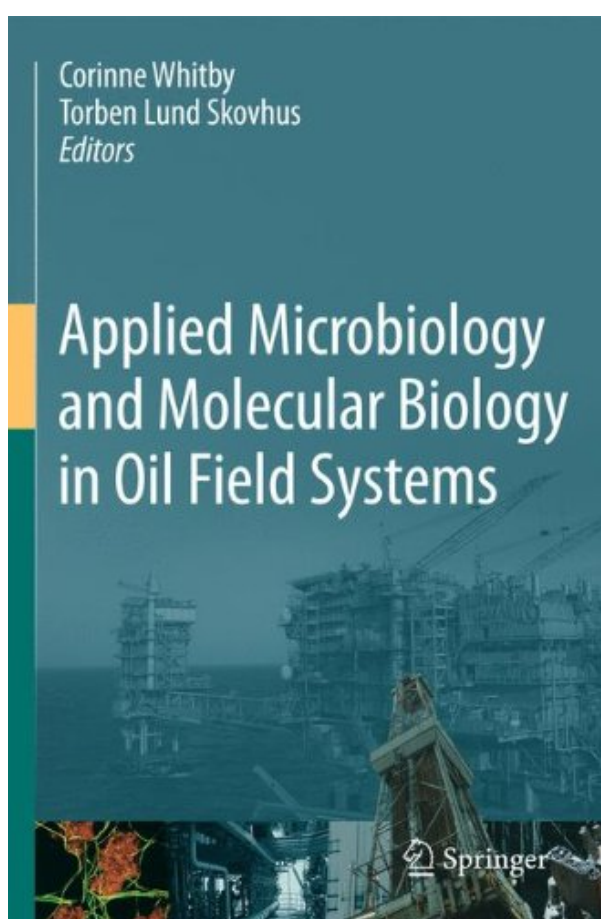


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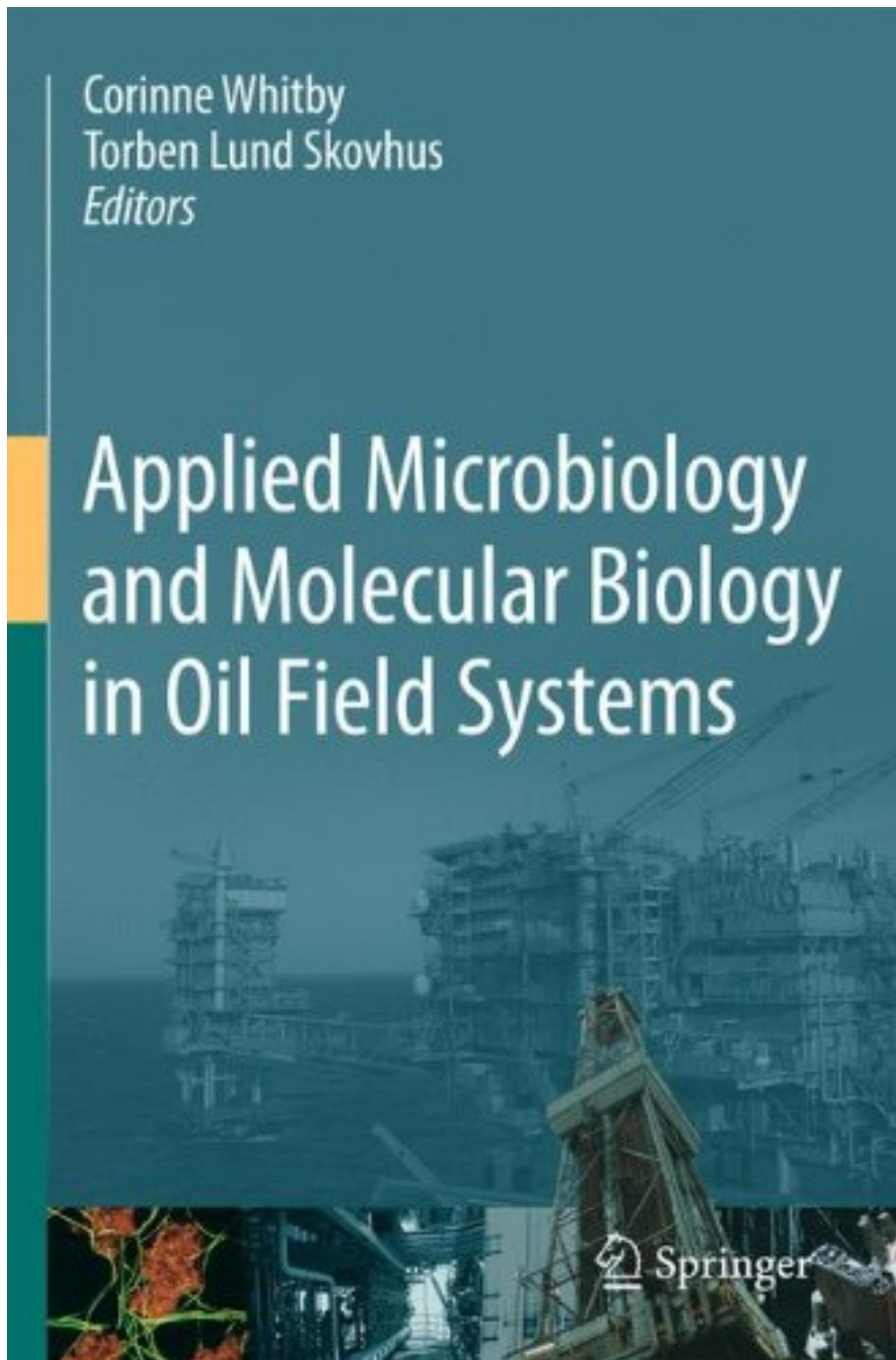


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Corinne Whitby  
Torben Lund Skovhus  
*Editors*

# Applied Microbiology and Molecular Biology in Oil Field Systems



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From the Back Cover

Applied Microbiology and Molecular Biology in Oil Field Systems addresses the major problems microbes cause in oil fields, (e.g. biocorrosion and souring) and how beneficial microbial activities may be exploited (e.g. MEOR and biofuels). The book describes theoretical and practical approaches to specific Molecular Microbiological Methods (MMM), and is written by leading authorities in the field from both academia and industry. The book describes how MMM can be applied to facilitate better management of oil reservoirs and downstream processes. The book is innovative in that it utilises real industrial case studies which gives useful technical and scientific information to researchers, engineers and microbiologists working with oil, gas and petroleum systems.

About the Author

Dr Corinne Whitby is a lecturer in Environmental Microbiology at the University of Essex, UK. She has over 10 years primary research experience in molecular microbial ecology. Her research is focused upon the application of Molecular Microbiological Methods (MMM) to analyze the biodegradation of hydrocarbons (e.g. naphthenic acids and polyaromatic hydrocarbons) and how nanoparticles affect hydrocarbon biodegradation. Her research is also involved in analyzing the biogeochemical cycling of nutrients in marine, freshwater and terrestrial systems. She was the original founders of ISMOS1 (with Dr Skovhus) and co-organised ISMOS2, Denmark, 2009 and the forthcoming ISMOS3, Calgary, 2011. Dr. Torben Lund Skovhus graduated from the University of Aarhus, Denmark, in 2002 with a Master's degree in Biology. In 2005 he finished his PhD from Department of Microbiology, University of Aarhus. In 2005 Torben was

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