

1. Record Nr.	UNINA9910309960003321
Titolo	FISH handbook for biological wastewater treatment : identification and quantification of microorganisms in activated sludge and biofilms by FISH / / edited by per Halkjær Nielsen, Holger Daims and Hilde Lemmer
Pubbl/distr/stampa	London : , : New York : , : IWA Publishing, , 2009 ©2009
ISBN	1-78040-177-9
Descrizione fisica	1 online resource (137 p.)
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Disciplina	363.7284
Soggetti	Sewage - Purification - Biological treatment Fluorescence in situ hybridization
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	The FISH Handbook for Biological Wastewater Treatment provides all the required information for the user to be able to identify and quantify important microorganisms in activated sludge and biofilms by using fluorescence in situ hybridization (FISH) and epifluorescence microscopy. It has for some years been clear that most microorganisms in biological wastewater systems cannot be reliably identified and quantified by conventional microscopy or by traditional culture-dependent methods such as plate counts. Therefore, molecular biological methods are vital and must be introduced instead of, or in addition to, conventional methods. At present, FISH is the most widely used and best tested of these methods. This handbook presents all relevant information from the literature and, based on the extensive experience of the authors, advice and recommendations are given for reliable FISH identification and quantification.