1. Record Nr. UNINA9910827137603321 Biological wastewater treatment: principles, modelling and design / / **Titolo** editors, Guanghao Chen [et al.] Pubbl/distr/stampa London, United Kingdom:,: IWA Publishing,, 2020 **ISBN** 1-78906-037-0 1-78906-036-2 Descrizione fisica 1 online resource (867 pages): illustrations (some color) Disciplina 628.35 Soggetti Sewage - Purification - Biological treatment Water-supply Water - Purification Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia

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Sommario/riassunto

The first edition of this book was published in 2008 and it went on to become IWA Publishing's bestseller. Clearly there was a need for it because over the twenty years prior to 2008, the knowledge and understanding of wastewater treatment had advanced extensively and moved away from empirically-based approaches to a fundamental first-principles approach based on chemistry, microbiology, physical and bioprocess engineering, mathematics and modelling. However the quantity, complexity and diversity of these new developments was overwhelming for young water professionals, particularly in developing countries without readily available access to advanced-level tertiary education courses in wastewater treatment. For a whole new generation of young scientists and engineers entering the wastewater treatment profession, this book assembled and integrated the postgraduate course material of a dozen or so professors from research groups around the world who have made significant contributions to the advances in wastewater treatment.