

1. Record Nr.	UNINA9910163881703321
Autore	Dionisi Davide
Titolo	Biological wastewater treatment processes : mass and heat balances / / Davide Dionisi
Pubbl/distr/stampa	Boca Raton, Florida ; ; London, [England] ; ; New York, [New York] : , : CRC Press, , 2017 ©2017
ISBN	1-315-16334-9 1-351-67089-1 1-4822-2927-7
Descrizione fisica	1 online resource (486 pages) : illustrations
Disciplina	628.3/5
Soggetti	Sewage - Purification - Biological treatment - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	"The book describes how to use kinetic models based on the concept of biomass growth and growth stoichiometry to simulate, design and optimize biological wastewater treatment processes. The general approach used in the book is to write rate equations for the various processes occurring and coupling them with mass balances specific for each process. The resulting system of non linear equations or of differential equation is then solved using Microsoft Excel. By varying the values of the design variables, the process is designed, simulated and optimized. In addition to the traditional design variables such as reactor volume, substrate removal, excess sludge production, particular focus is given in the book to pH calculation, which is particularly important for nitrogen removal and anaerobic processes. The book also shows how this modeling methodology can be applied to specific case studies reported in the literature."--

2. Record Nr.	UNISA996386794303316
Titolo	To the Kings Most Excellent Majesty and the Lords and Commons assembled in this present Parliament [[electronic resource] ] : the most humble supplication of all those commission-officers &c. that have faithfully and constantly served and suffered for Your Majesty's Royal Father of ever blessed memory, and Your Most Sacred Majesty
Pubbl/distr/stampa	London, : Printed by R.D., 1661
Descrizione fisica	1 broadside
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	In verse. Reproductions of originals in the Harvard University Library and the British Library.
Sommario/riassunto	eebo-0062