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Autore	Elias Hans-Georg
Titolo	Macromolecules: Volume 4: Applications of Polymers
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ISBN	3-527-62724-3
Descrizione fisica	1 online resource (xxxiv, 693 pages) : illustrations
Disciplina	547.7
Soggetti	Macromolecules - Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	v. 1. Chemical structures and syntheses -- v. 2. Industrial polymers and synthesis -- v. 4. Applications of polymers.

2. Record Nr.	UNINA9911020459103321
Autore	Gerardi Michael H
Titolo	The microbiology of anaerobic digesters / / Michael H. Gerardi
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2003
ISBN	9786610344093 9781280344091 1280344091 9780470251201 0470251204 9780471468950 0471468959 9780471468967 0471468967
Descrizione fisica	1 online resource (189 p.)
Collana	Wastewater microbiology series
Disciplina	628.3/5
Soggetti	Sewage sludge digestion Anaerobic bacteria
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 (p. 161-164) and index.
Nota di contenuto	The Microbiology of Anaerobic Digesters; Contents; Preface; PART I OVERVIEW; 1 Introduction; 2 Bacteria; 3 Methane-forming Bacteria; 4 Respiration; 5 Anaerobic Food Chain; 6 Fermentation; 7 Anaerobic Digestion Stages; PART II SUBSTRATES, PRODUCTS, AND BIOGAS; 8 Substrates and Products; 9 Biogas; PART III OPERATIONAL CONDITIONS; 10 Introduction to Operational Conditions; 11 Start-up; 12 Sludge Feed; 13 Retention Times; 14 Temperature; 15 Nutrients; 16 Alkalinity and pH; 17 Toxicity; 18 Mixing; PART IV PROCESS CONTROL AND TROUBLESHOOTING; 19 Upsets and Unstable Digesters 20 Foam and Scum Production and Accumulation 21 Supernatant; 22 Monitoring; PART V DIGESTERS; 23 Types of Anaerobic Digesters; 24 Anaerobic Digesters versus Aerobic Digesters; References; Abbreviations and Acronyms; Chemical Compounds and Elements; Glossary; Index

Sommario/riassunto

Anaerobic digestion is a biochemical degradation process that converts complex organic material, such as animal manure, into methane and other byproducts. Part of the author's Wastewater Microbiology series, Microbiology of Anareboic Digesters eschews technical jargon to deliver a practical, how-to guide for wastewater plant operators.
