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Titolo	Microbial growth in drinking-water supplies : problems, causes, control and research needs // edited by Dirk van der Kooij and Paul W.J.J. van der Wielen
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Descrizione fisica	1 online resource (484 p.)
Altri autori (Persone)	KooijDirk van der WielenPaul W. J. J. van der
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Soggetti	Drinking water - Microbiology Microbial growth
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
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Nota di contenuto	""Cover""; ""Copyright""; ""Contents""; ""Authors and co-authors""; ""Acknowledgements""; ""Foreword""; ""Chapter 1: General introduction""; ""1.1 Water-Supply Microbiology""; ""1.1.1 Discoveries and impact""; ""1.1.2 A century of progress""; ""1.2 Regrowth: Problems and Assessment""; ""1.2.1 Problems""; ""1.2.2 Regrowth assessment""; ""1.3 Causes of Regrowth""; ""1.3.1 Growth kinetics and growth potential assessment""; ""1.3.1.1 Growth kinetics""; ""1.3.1.2 Assessment of the microbial-growth potential of drinking water""; ""1.3.2 Temperature""; ""1.3.3 Biofilms, sediments and hydraulics"" ""1.3.3.1 Biofilms""""1.3.3.2 Sediments""; ""1.3.4 Construction materials""; ""1.3.5 Disinfectant residual""; ""1.4 Scope and Aim""; ""1.5 References""; ""Chapter 2: Measurement of biostability and impacts on water treatment in the US""; ""2.1 Introduction""; ""2.2 Measurement of Biodegradable Organic Matter in Water""; ""2.3 Concentrations of AOC and BDOC in US Drinking Water Supplies""; ""2.4 Impact of Water Treatment on BOM""; ""2.4.1 Watersheds""; ""2.4.2 Disinfection""; ""2.4.3 Coagulation and sedimentation""; ""2.4.4 Granular media filtration""; ""2.4.5 Membrane filtration"" ""2.4.6 Bank infiltration""""2.4.7 Recycling of backwash water""; ""2.5 Materials in Contact with Water""; ""2.6 Development of a

Bioluminescence AOC Method"; "2.6.1 Bioluminescence AOC assay"; "2.6.2 Application of the bioluminescence AOC assay"; "2.6.3 Development of a salt water bioluminescence AOC test"; "2.7 Conclusions"; "2.8 References"; "Chapter 3: Removal of organic matter in water treatment systems a€? Case studies in Japan"; "3.1 Introduction"; "3.2 Advanced Water Purification System in Osaka Water Works"; "3.2.1 Reduction of chlorine dosage"; "3.2.2 Bacterial-regrowth control by AOC reduction and less chlorine dosage"; "3.3 Organic Removals in a Hybrid Membrane Filtration System"; "3.3.1 PVDF MF membrane filtration coupled with pre-ozonation"; "3.3.2 PTFE MF membrane filtration coupled with powdered activated carbon adsorption and biological/chemical oxidation"; "3.3.3 Biofilm-membrane reactor for advanced drinking water treatment"; "3.4 Conclusion"; "3.5 References"; "Chapter 4: Organic matter, pipe materials, disinfectants and biofilms in distribution systems"; "4.1 Introduction"; "4.1.1 Organic matter and heterotrophic bacterial growth"; "4.1.2 Disinfectants, NOM and microbial growth"; "4.1.2.1 Primary disinfection"; "4.1.2.2 Secondary disinfection"; "4.1.3 Pipe materials"; "4.2 Interactions of Factors and Biofilm Growth"; "4.2.1 Importance of organic carbon and chlorine on biofilms"; "4.2.2 Importance of iron-corrosion products"; "4.2.3 Iron, organics and disinfectants"; "4.2.4 Iron, organics, disinfectants and corrosion control"; "4.2.4.1 Corrosion products and iron oxide coated beads"; "4.2.4.2 Laboratory and pilot distribution system studies"; "4.3 Conclusions and Recommendations"

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## Sommario/riassunto

Maintaining the microbial quality in distribution systems and connected installations remains a challenge for the water supply companies all over the world, despite many years of research. This book identifies the main concerns and knowledge gaps related to regrowth and stimulates cooperation in future research. *Microbial Growth in Drinking Water Supplies* provides an overview of the regrowth issue in different countries and the water quality problems related to regrowth. The book assesses the causes of regrowth in drinking water and the prevention of regrowth by water treatment and distribution. Editors: Dirk van der Kooij and Paul W.J.J. van der Wielen, KWR Watercycle Research Institute, The Netherlands.

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2. Record Nr.	UNINA9910954429903321
Autore	Stuke Jens-Hermann
Titolo	Conopidae (Diptera) // by Jens-Hermann Stuke
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill, , [2017]
ISBN	90-04-27184-8
Descrizione fisica	1 online resource (392 pages)
Collana	World catalogue of insects ; ; v. 15
Disciplina	595.77
Soggetti	Thickheaded flies Diptera Classification
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. 249-339) and index.
Nota di contenuto	Preliminary Material -- Catalogue -- References -- Index.
Sommario/riassunto	The World Catalogue of the Conopidae offers the first complete list of this Diptera family worldwide since 1919. 808 recent and fossil species, together with their synonyms, belonging to 57 genera are listed. All original descriptions have been verified by the author. Type material and its depository is described for every species, the published distribution for each species is documented at the country level, and a complete list of references is provided for every record. Published information concerning hosts, possible hosts and egg carriers is compiled, with some 309 host species being reported for 73 species of Conopidae. With more than 1450 literature citations, this catalogue presents by far the most complete taxonomic assessment of this family produced to date.