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Nota di contenuto	Biofouling; Contents; List of Contributors; Preface; I Processes in Marine and Freshwater Biofouling; i Larvae and Spores; Chapter 1 Reproduction and Larvae/Spore Types; Introduction; Some Terminology; Asexual Production of Propagules; Sexual Reproduction - Mechanisms Facilitating Fertilisation; Demographic Effects on Fertilisation Success - Allee Effects; Environmental Factors Affecting Fertilisation; Links Between Fertilisation and Subsequent Larval Attributes; Hatching and Development; Mobility and Survival of Larvae/Spores; Carry-over Effects; Conclusions; References Chapter 2 Larval Supply and DispersalIntroduction; The Significance of Scales of Larval Dispersal; Factors Influencing Dispersal Scales; Estimating Dispersal; Practical Consequences of Dispersal Scales; References; Chapter 3 Settlement and Behaviour of Marine Fouling Organisms; Introduction; Cues; Planktonic Propagules; Inert Surface Encounter, Followed by (Active?) Attachment or Rejection; Behavioural

Surface Encounter, Exploration and Attachment or Rejection; Conclusions; Conclusions; References; ii Fouling Community Processes; Chapter 4 Succession on Hard Substrata; Introduction
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Referencesiv Introduction to Microbial Fouling; Chapter 9 Marine Biofilms; Biofilm Development; Composition of Microbial Biofilms; Biofilm Dynamics; Signalling in Biofilms; Prokaryote-Eukaryote Interactions in Biofilms; Conclusions; Acknowledgements; Dedication; References; Chapter 10 Freshwater Biofilms; Introduction; Structure and Architecture of Freshwater Biofilms; Biofilm Biomass; Biofilm Metabolism and Its Role on the Aquatic Food Web; Dynamic Structure-Function in Freshwater Biofilms; Conclusions; Acknowledgements; References; Chapter 11 Biofilms in Medicine; Introduction
Infection of the Head and Neck

Sommario/riassunto

Biofouling (the colonisation of an interface by a diverse array of organisms) is almost always a problem where it occurs, as it negatively affects surfaces, the materials that they are made from and the structures that they form, and can even destroy them.This comprehensive book covers in detail in its first section the processes involved in marine , freshwater and medical biofouling including coverage of settlement by larvae and spores, biofouling community processes, epibiosis (biofouling on living organisms) and microbial fouling, including biofilms deleterious to human hea