1. Record Nr. UNINA9910409733803321

Titolo	Glia in Health and Disease / / edited by Tania Spohr
Pubbl/distr/stampa	London : , : IntechOpen, , 2020
ISBN	1-78985-254-4
Descrizione fisica	1 online resource (162 pages) : illustrations
Disciplina	612.8
Soggetti	Astrocytes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.

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Pubbl/distr/stampa	Washington, D.C., : ASM Press, c2012
ISBN	1-68367-094-9 1-55581-718-1
Descrizione fisica	1 online resource (333 p.)
Altri autori (Persone)	MillerRobert V <1945-> (Robert Verne) WhyteLyle G
Disciplina	577.5/8
Soggetti	Extreme environments - Microbiology Microbial ecology - Polar regions Microbiology - Research - Polar regions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Microbial Diversity in Polar Environments""; ""1. Bacterial Diversity in Polar Habitats""; ""Introduction""; ""Antarctica""; ""The Arctic""; ""Microbial Mats""; ""Sea Ice Microbial Communities""; ""Effects of Climate Change on Polar Regions""; ""Conclusions and Future Work""; ""References""; ""2. Archaea""; ""Introduction and Overview""; ""Antarctic Environments""; ""Arctic Environments""; ""Polar Comparisons of Archaeal Diversity""; ""Highlights of Recent Findings""
""Archaea in Polar Environments and Climate Change""""""Future Work Needed""; ""Summary""; ""References""; ""3. Bacteriophages at The Poles""; ""Life Choices""; ""Nutrient Availability""; ""Phages at The Poles""; ""Conclusions""; ""References""; ""4. Fungi in Polar Environments""; ""Introduction""; ""Fungi in Various Extremely Cold Environments""; ""Indigenous Groups of Fungi in Polar Environments""; ""Conclusions""; ""References""; ""II Adaptations and Physiology of Cold-Adapted Microorganisms in Polar Environments""; ""5. General Characteristics of Cold-Adapted Microorganisms""
""Introduction""""""Kinetic and Biochemical Challenges at Low Temperature""; ""Fluidity at Cold Temperatures""; ""Macromolecular Stability at Low Temperature""; ""Water Activity and Freezing""; ""Subeutectic Metabolism: Residual Reactions or Survival Strategy?""; ""Conclusion""; ""References""; ""6. Genomic and Expression Analyses of Cold-Adapted Microorganisms""; ""Introduction""; ""Ecological Evidence of Bacterial Adaptation to Cold""; ""Gene Expression Responses to The Cold""; ""Protein Adaptations to Cold""; ""Comparison of Cold-And Warm-Adapted Exiguobacterium Strains""
""Summary and Future Directions""""""References""; ""7. Metagenomic Analysis of Polar Ecosystems""; ""Introduction""; ""Marine Ecosystems""; ""Terrestrial Ecosystems""; ""Conclusions""; ""References""; ""8. Polar Microorganisms and Biotechnology""; ""Introduction""; ""Advantages of Polar Microorganisms in Biotechnology""; ""Bioprospecting The Polar Genetic Resources""; ""Polar Bacteria as Cell Factories""; ""Cold-Active Enzymes in Biotechnology""; ""Industrial Enzymes From Polar Microorganisms""; ""Polar Proteins in Molecular Biology and Cosmetics""
""Hydrocarbon Bioremediation in Polar Environments""""""Wastewater Treatment in Cold Environments""; ""Polar Plants and Animals in Biotechnology""; ""Conclusions""; ""References""; ""III Ecology and Biochemical Cycling of Polar Microbiology Communities""; ""9. Microbial Carbon Cycling in Permafrost""; ""Introduction""; ""Carbon Turnover in Arctic Terrestrial Ecosystems""; ""Methane-Cycling MIcrobial Communities""; ""References""; ""10. Polar Marine Microbiology""; ""Introduction""; ""Polar Microbiology""; ""Microbial Food Webs and Nutrient Cycling""; ""Conclusions""; ""References""
""11. Cryospheric Environments in Polar Regions (Glaciers and Ice Sheets, Sea Ice, and Ice Shelves)""

3. Record Nr. UNINA9910830207703321

Autore	Stacey Dale
Titolo	Aeronautical radio communication systems and networks / / Dale Stacey
Pubbl/distr/stampa	Chichester, West Sussex, England ; , : J. Wiley, , c2007 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2008]
ISBN	1-281-31806-X 9786611318062 0-470-03510-2 0-470-03509-9
Descrizione fisica	1 online resource (372 p.)
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Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
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Sommario/riassunto

Typically, there are over twenty radio systems on board the average commercial jet aircraft dealing with communication, navigation and surveillance functions. Very high frequency (VHF) air-to-ground communication is usually the main method of information and control exchange between pilot and air traffic control. Satellite and high

frequency radio links are used to complement this system for long range or oceanic information exchanges. Other communications systems are required between the airline operation centre and the pilot and sometimes between the passengers and the ground. A comprehensive guide to current systems, networks and topologies, this book covers application requirements for communication and related radio-navigation and surveillance functions in aeronautical systems. There is also an insight into future possibilities as technologies progress and airspace operation and control scenarios change. Ideal for civil aviation authorities, airspace management providers and regulatory organizations, Aeronautical Radio Communication Systems and Networks will also appeal to aircraft and radio equipment manufacturers and university students studying aeronautical or electronic engineering. Key features: Provides a broad and concise look at the various communications systems on board a typical aircraft from a theoretical, system level and practical standpoint with worked examples and case studies throughout. Considers all types of aircraft from light aircraft to large commercial jets and specialised supersonic aircraft. Looks at existing airport radio communication infrastructure and proposals for new very high bandwidth radio applications within the airport environment. Provides a complete list of formulae for engineering design analysis and quick checks on system performance or interference analysis.