

1. Record Nr.	UNINA9910874658203321
Autore	Saini Pinki
Titolo	Bioprospecting of Microbial Resources for Agriculture, Environment and Bio-chemical Industry // by Pinki Saini, Pragya Mishra
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031638442
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (221 pages)
Disciplina	660.6
Soggetti	Microbial ecology Food - Microbiology Plant biotechnology Bioremediation Biologicals Biopharmaceutics Environmental Microbiology Food Microbiology Plant Biotechnology Environmental Biotechnology Biologics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Microbial bioprospecting for nutraceuticals as novel therapeutics -- Seaweeds as Potential Source of Bioactive Compounds -- Bioprospecting of Extremophiles for Industrial Enzymes -- Bioprospecting of Microalgae Derived Commercial Significant Compounds -- Biofilm Linked Microbial Prospecting of Bioremediation -- Microbial Bioprospecting for Biorefinery Application: An Overview of a Sustainable and Renewable Source of Energy -- Microbial-Based Recovery of Metals from E-Waste -- Assessing Technical and Commercial Aspects of Soil Microbiome and Microbial Enzymes in Formation of Bio-Fertilizer and Environmental Sustainability -- Microbial Biosensors: Design, Types and Applications -- Role of Bioinformatics Tools in Microbial Prospective and Its Future --

## Revolution in Microbial Bioprospecting via the Development of Omics-Based Technologies -- Microbial Nanowires: Future of Bioenergy Applications.

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### Sommario/riassunto

The sharp rise, in recent years, of novel resistant pathogenic microorganisms has sparked renewed interest in the practice of bioprospecting, or the systematic identification, evaluation and exploitation of the diversity of life in a certain place. Bioprospecting is an increasingly popular means of mining microorganisms for what is known as exploitable biology, or valuable genetic information. This information can then be used in the development of novel antibiotics, enzymes, biopesticides, biofertilizers, food sources, and energy sources, with marked impacts across the agricultural, pharmaceutical, biomedical and bioenergetic fields. While microbe-derived bioactive compounds play an increasingly key role in sustainability directives such as pollution control and green tech development, production challenges still pose a barrier to the large-scale commercialization of these microbe-derived products. Bioprospecting of Microbial Resources for Agriculture, Environment and Bio-Chemical Industry is a topical review of the achievements reached and challenges faced by the microbe-derived compound industry to date. As the preservation of global biodiversity and the production of novel antibiotics are of significant importance to researchers and the general public alike, this text offers a timely and comprehensive look into the many uses of microbial products across industries. Specific uses covered in the text include the microbial-based recovery of metals for e-waste and the use of microbial nanowires in bioenergy applications. Bioprospecting of Microbial Resources for Agriculture, Environment and Bio-Chemical Industry offers invaluable insights for administrators and policy makers as well as researchers in the areas of microbiology, plant biotechnology, industrial microbiology, biochemical engineering and environmental science.

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2. Record Nr.	UNINA9911019823203321
Autore	Hirsch Herbert L
Titolo	Essential communication strategies for scientists, engineers, and technology professionals // Herbert L. Hirsch
Pubbl/distr/stampa	Piscataway, NJ, : IEEE Press, c2003
ISBN	9786610264957 9781280264955 1280264950 9780470239216 0470239212 9780471660897 0471660892 9780471722946 0471722944
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (201 p.)
Altri autori (Persone)	HirschHerbert L
Disciplina	620/.001/4
Soggetti	Communication of technical information Communication
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index. First ed.: The essence of technical communication for engineers, 2000.
Nota di contenuto	Introduction to the art of communication -- The written document: Prose and panic: Planning the document -- Acquiring a healthy writing attitude -- Producing the document -- The formal presentation: Dissertation or disaster: Planning the presentation -- Acquiring the successful presentation attitude -- Conducting the presentation -- The informal discussion: Meetings and mishaps: Planning for the meeting -- Acquiring a meeting attitude -- Participating in the meeting -- Cross-culture communication: Bridging the gap: Understanding a communication culture gap -- Writing for any readership -- Presenting to any audience -- Meeting with anyone or any group -- Conclusion.
Sommario/riassunto	Learn the tricks-of-the-trade of becoming a great technical communicator Remember when you were an undergraduate and

freshman composition seemed so irrelevant to your life? After all, you were going to conquer the world with technological know-how. Your spellcheck software would handle the details. Now that you're a professional - pitching an idea, vying for a contract or grant, or presenting at a meeting - getting your point across effectively suddenly seems pretty essential for success, doesn't it? Fear not. This light-hearted text, brimming with proven techniques, good advice, and real-

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