

1. Record Nr.	UNINA9910437633603321
Titolo	Atlas of Oral Microbiology: From Healthy Microflora to Disease // edited by Xuedong Zhou, Yuqing Li
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-7899-0
Edizione	[2nd ed. 2020.]
Descrizione fisica	1 online resource (XIII, 360 p. 493 illus., 264 illus. in color.)
Disciplina	617.522
Soggetti	Medical microbiology Dentistry Microbiology Medical Microbiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Oral Microbiology -- Oral Microflora and Human Diseases -- Experimental Techniques of Oral Microbiology -- Gram-positive Bacteria -- Gram-negative bacteria -- Other microbes.
Sommario/riassunto	This book is the second edition of Atlas of Oral Microbiology: From Healthy Microflora to Disease (ISBN 978-0-12-802234-4), with two new features: we add about 60 pictures of 14 newly isolated microbes from human dental plaque, at the same time, we re-organize the content of this book and provide more research progress about the oral microbiome bank of China, the invasion of oral microbiota into the gut, and the relationships between Oral Microflora and Human Diseases. This book is keeping up with the advanced edge of the international research field of oral microbiology. It innovatively gives us a complete description of the oral microbial systems according to different oral ecosystems. It collects a large number of oral microbial pictures, including cultural pictures, colonies photos, and electron microscopy photos. It is by far the most abundant oral microbiology atlas consists of the largest number of pictures. In the meantime, it also described in detail a variety of experimental techniques, including microbiological isolation, culture, and identification. It is an atlas with strong practical function. The editors and writers of this book have long been engaged

in teaching and research work in oral microbiology and oral microecology. This book deserves a broad audience, and it will meet the needs of researchers, clinicians, teachers, and students major in biology, dental medicine, basic medicine, or clinical medicine. It can also be used to facilitate teaching and international academic exchanges.

2. Record Nr.	UNINA9910299786803321
Titolo	Optimization, Control, and Applications in the Information Age : In Honor of Panos M. Pardalos's 60th Birthday // edited by Athanasios Migdalas, Athanasia Karakitsiou
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-18567-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (427 p.)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1017 ; ; 130
Disciplina	519.77
Soggetti	Mathematical optimization Calculus of variations Operations research Mathematical models Probabilities Calculus of Variations and Optimization Operations Research and Decision Theory Mathematical Modeling and Industrial Mathematics Probability Theory
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 at the end of each chapters.
Nota di contenuto	Panos M. Pardalos: A Brief Biography (R. Bakker) -- Modular Lipschitzian and Contractive Maps (V. Chistyakov) -- A Taxonomy for the Flexible Job Shop Scheduling Problem (D. Cinar, Y. Topcu, J. Oliveira) -- Sensitivity analysis of welfare, equity, and acceptability level of transport policies (R. Connors, M. Patriksson, C. Rydergren, A.

Sumalee, D. Watling) -- Calibration in survey sampling as an optimization problem (G. Davies, J. Gillard, A. Zhigljavsky) -- On the Sensitivity of Least Squares Data Fitting by Nonnegative Second Divided Differences (I. Demetriou) -- Modeling and solving vehicle routing problems with many available vehicle types (S. Barman, P. Lindroth, A. Strömberg) -- A Genetic Algorithm for Scheduling Alternative Tasks subject to Technical Failure (D. Fontes, J. Gonçalves) -- Discrete competitive facility location: Modeling and optimization approaches (A. Karakitsiou) -- On Nash Equilibria in Stochastic Positional Games with Average Payoffs (D. Lozovanu, S. Pickl) -- Adaptive Tuning of All Parameters in a Multi-Swarm Particle Swarm Optimization Algorithm. An Application to the Probabilistic Traveling Salesman Problem (Y. Marinakis, M. Marinaki, A. Migdalas) -- Eigendecomposition of the Mean-Variance Portfolio Optimization Model (F. Mayambala, Elina Rönnberg, T. Larsson) -- Three aspects of the research impact by a scientist: measurement methods and an empirical evaluation (B. Mirkin, M. Orlov) -- SVM Classification of Uncertain Data Using Robust Multi-Kernel Methods (R. Pant, T. Trafalis) -- Multi-objective Optimization and Multi-attribute Decision Making for a Novel Batch Scheduling Problem Based on Mould Capabilities (J. Pei, A. Migdalas, W. Fan, X. Liu) -- A Time-Indexed Generalized Vehicle Routing Model and Stabilized Column Generation for Military Aircraft Mission Planning (N. Quttineh, T. Larsson, J. Van den Bergh, J. Beliën) -- On Deterministic Diagonal Methods for Solving Global Optimization Problems with Lipschitz Gradients (Y. Sergeyev, D. Kvasov) -- Optimization of Design Parameters for Active Control of Smart Piezoelectric Structures (G. Stavroulakis, G. Foutsitzi, C. Gogos) -- Stable EEG Features (V. Stefanidis, G. Anogiannakis, A. Evangelou and M. Poulos) -- Deriving Pandemic Disease Mitigation Strategies by Mining Social Contact Networks (M. Ventresca, A. Szatan, B. Say, D. Aleman) -- On an Asymptotic Property of a Simplicial Statistical Model of Global Optimization (A. Žilinskas, G. Gimbutien) -- Advanced Statistical Tools for Modelling of Composition and Processing Parameters for Alloy Development (G. Zrazhevsky, A. Golodnikov, S. Uryasev, A. Zrazhevsky).

Sommario/riassunto

Recent developments in theory, algorithms, and applications in optimization and control are discussed in this proceedings, based on selected talks from the 'Optimization, Control, and Applications in the Information Age' conference, organized in honor of Panos Pardalos's 60th birthday. This volume contains numerous applications to optimal decision making in energy production and fuel management, data mining, logistics, supply chain management, market network analysis, risk analysis, and community network analysis. In addition, a short biography is included describing Dr. Pardalos's path from a shepherd village on the high mountains of Thessaly to academic success. Due to the wide range of topics such as global optimization, combinatorial optimization, game theory, stochastics and programming contained in this publication, scientists, researchers, and students in optimization, operations research, analytics, mathematics and computer science will be interested in this volume.