1. Record Nr. UNINA9910451026603321

Titolo	The carbon balance of forest biomes / / edited by H. Griffiths, P. Jarvis
Pubbl/distr/stampa	New York : , : Bios Scientific Publishers, , 2005
ISBN	1-135-32258-9 1-280-23204-8 9786610232048 0-203-50134-9
Descrizione fisica	1 online resource (409 p.)
Collana	Experimental biology reviews SEB symposium series ; ; v.57
Altri autori (Persone)	GriffithsH <1953-> (Howard) JarvisP. G (Paul Gordon)
Disciplina	577.3144
Soggetti	Global environmental change Carbon - Environmental aspects Forests and forestry - Environmental aspects Plants - Effect of atmospheric carbon dioxide on Carbon dioxide mitigation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	According to publishier, this is also v.57 in the SEB symposium series.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Book Cover; Half-Title; Title; Copyright; Contents; Contributors; Abbreviations; Preface; 1. The Global Imperative and Policy for Carbon Sequestration; 2. Role of Forest Biomes in the Global Carbon Balance; 3. Carbon Sequestration in European Croplands; 4. Estimating Forest and Other Terrestrial Carbon Fluxes at a National Scale: The UK Experience; 5. Regional-Scale Estimates of Forest CO2 and Isotope Flux Based on Monthly CO2 Budgets of the Atmospheric Boundary Layer; 6. Regional Measurement and Modelling of Carbon Balances 7. The Potential for Risking CO2 to Account for the Observed Uptake of Carbon by Tropical, Temperate, and Boreal Forest Biomes8. Measurement of CO2 Exchange Between Boreal Forest and the Atmosphere; 9. Carbon Exchange of Deciduous Broadleaved Forests in

Temperate and Mediterranean Regions; 10. The Carbon Balance of the Tropical Forest Biome; 11. The Carbon Balance of Forest Soils: Detectability of Changes in Soil Carbon Stocks in Temperate and Boreal Forests; 12. Fractional Contributions by Autotrophic and Heterotrophic Respiration to Soil-surface CO2 Effluxin Boreal Forests
13. Trace Gas and CO2 Contributions of Northern Peatlands to Global Warming Potential14. Contribution of Trace Gases Nitrous Oxide (N2O) and Methane (CH4) to the Atmospheric Warming Balance of Forest Biomes; 15. Effects of Reforestation, Deforestation, and Afforestation on Carbon Storage in Soils; 16. 'Carbon Forestry': Managing Forests to Conserve Carbon; Index

Sommario/riassunto

The Carbon Balance of Forest Biomes provides an informed synthesis on the current status of forests and their future potential for carbon sequestration.This volume is timely, since convincing models which scale from local to regional carbon fluxes are needed to support these international agreements, whilst criticisms have been levelled at existing empirical approaches. One key question is to determine how well eddy-flux measurements at the stand-level represent regional-scale processes. This may be related to specific management practices (age, plantation, fertilisation) or

2. Record Nr. UNISA996465956903316

Titolo	Graph-Theoretic Concepts in Computer Science [[electronic resource]] : 36th International Workshop, WG 2010, Zarós, Crete, Greece, June 28-30, 2010, Revised Papers / / edited by Dimitrios M. Thilikos
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2010
ISBN	1-280-39030-1 9786613568229 3-642-16926-0
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (XIII, 338 p. 62 illus.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 6410
Disciplina	004.0151
Soggetti	Computer science—Mathematics Discrete mathematics Algorithms Geometry Computer networks Artificial intelligence—Data processing Discrete Mathematics in Computer Science Computer Communication Networks Data Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Talks -- Algorithmic Barriers from Phase Transitions in Graphs -- Algorithmic Graph Minors and Bidimensionality -- Regular Talks -- Complexity Results for the Spanning Tree Congestion Problem -- max-cut and Containment Relations in Graphs -- The Longest Path Problem is Polynomial on Cocomparability Graphs -- Colorings with Few Colors: Counting, Enumeration and Combinatorial Bounds -- On Stable Matchings and Flows -- Narrowing Down the Gap on the Complexity of Coloring P k -Free Graphs -- Computing the Cutwidth of Bipartite Permutation Graphs in Linear Time -- Solving Capacitated Dominating Set by Using Covering by Subsets and Maximum Matching -- Efficient Algorithms for Eulerian Extension -- On the Small Cycle Transversal of

Planar Graphs -- Milling a Graph with Turn Costs: A Parameterized Complexity Perspective -- Graphs that Admit Right Angle Crossing Drawings -- Kernelization Hardness of Connectivity Problems in d-Degenerate Graphs -- On the Boolean-Width of a Graph: Structure and Applications -- Generalized Graph Clustering: Recognizing (p,q)-Cluster Graphs -- Colouring Vertices of Triangle-Free Graphs -- A Quartic Kernel for Pathwidth-One Vertex Deletion -- Network Exploration by Silent and Oblivious Robots -- Uniform Sampling of Digraphs with a Fixed Degree Sequence -- Measuring Indifference: Unit Interval Vertex Deletion -- Parameterized Complexity of the Arc-Preserving Subsequence Problem -- From Path Graphs to Directed Path Graphs -- Connections between Theta-Graphs, Delaunay Triangulations, and Orthogonal Surfaces -- Efficient Broadcasting in Random Power Law Networks -- Graphs with Large Obstacle Numbers -- The Complexity of Vertex Coloring Problems in Uniform Hypergraphs with High Degree -- The Number of Bits Needed to Represent a Unit Disk Graph -- Lattices and Maximum Flow Algorithms in Planar Graphs.

Sommario/riassunto

The 36th International Workshop on Graph-Theoretic Concepts in Computer Science (WG 2010) took place in Zar´ os, Crete, Greece, June 28–30, 2010. About 60 mathematicians and computer scientists from all over the world (Australia, Canada, Czech Republic, France, Germany, Greece, Hungary, Israel, Japan, The Netherlands, Norway, Poland, Switzerland, the UK, and the USA) attended the conference. WG has a long tradition. Since 1975, WG has taken place 21 times in Germany, four times in The Netherlands, twice in Austria, twice in France and once in the Czech Republic, Greece, Italy, Norway, Slovakia, Switzerland, and the UK. WG aims at merging theory and practice by demonstrating how concepts from graph theory can be applied to various areas in computer science, or by extracting new graph theoretic problems from applications. The goal is to presentemergingresearchresultsand to identify and exploredirections of future research.The conference is well-balanced with respect to established researchers and young scientists. There were 94 submissions, two of which where withdrawn before entering the review process. Each submission was carefully reviewed by at least 3, and on average 4.5, members of the Program Committee. The Committee accepted 28 papers, which makes an acceptance ratio of around 30%. I should stress that, due to the high competition and the limited schedule, there were papers that were not accepted while they deserved to be.

3. Record Nr. UNINA9910826531303321

Titolo	Telomerases : chemistry, biology, and clinical applications / / edited by Neal F. Lue, Chantal Autexier
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2012
ISBN	9786613679505 9781280768736 1280768738 9781118267516 1118267516 9781118268667 1118268660 9781118268506 1118268504
Edizione	[1st. ed.]
Descrizione fisica	1 online resource (336 p.)
Altri autori (Persone)	LueNeal F. <1962-> AutexierChantal <1963->
Disciplina	572.8/6
Soggetti	Telomerase
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 and index.
Nota di contenuto	The telomerase complex : an overview / Johanna Mancini and Chantal Autexier -- Telomerase RNA : structure, function, and molecular mechanisms / Yehudi Tzfati and Julian J.-L. Chen -- TERT structure, function, and molecular mechanisms / Emmanuel Skordalakes and Neal F. Lue -- Telomerase biogenesis : RNA Processing, trafficking and protein Interactions / Tara Beattie and Pascal Chartrand -- Transcriptional regulation of human telomerase / Antonella Farsetti and Yu-Sheng Cong -- Telomerase regulation and telomere length homeostasis / Joachim Lingner and David Shore -- Telomere structure in telomerase regulation / Momchil D. Vodenicharov and Raymund J. Wellinger -- Off-telomere functions of telomerase / Kenkichi Masutomi and William C. Hahn -- Murine Models of Dysfunctional Telomeres and Telomerase / Yie Liu and Lea Harrington -- Cellular senescence,

	telomerase, and cancer in human cells / Phillip G. Smiraldo ... [et al.] -- Telomerase, retrotransposons, and evolution / Irina R. Arkhipova.
Sommario/riassunto	"This book is a comprehensive and up-to-date review and evaluation of the contemporary status of telomerase research. Chapters in this volume cover the basic structure, mechanisms, and diversity of the essential and regulatory subunits of telomerase. Other topics include telomerase biogenesis, transcriptional and post-translational regulation, off-telomere functions of telomerase and the role of telomerase in cellular senescence, aging and cancer. Its relationship to retrotransposons, a class of mobile genetic elements that shares similarities with telomerase and serves as telomeres in selected organisms, are also reviewed"--Provided by publisher.

4.

Record Nr.	UNINA9910760272003321
Autore	Tiwari G. N.
Titolo	Advance Solar Photovoltaic Thermal Energy Technologies : Fundamentals, Principles, Design, Modelling and Applications / / by Gopal Nath Tiwari
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	981-9949-93-9
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (445 pages)
Collana	Green Energy and Technology, , 1865-3537
Disciplina	658
Soggetti	Photovoltaic power generation Solar energy Chemical engineering Environmental engineering Photovoltaics Solar Thermal Energy Environmental Process Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter-I General Introduction -- Chapter-II Water Quality -- Chapter-III Solar cell and Photo-voltaic Effect -- Chapter-IV Photovoltaic (PV)

Module and its Panel and Array -- Chapter-V Concepts of Greenhouse and its Application -- Chapter-VI Construction of Greenhouse integrated Semi-transparent Photo-Voltaic Thermal System (GiSPVT) -- Chapter-VII Cultivation of Vegitables in Winter -- Chapter-VIII Thermal Modeling of Greenhouse integrated Semi-transparent Photo-voltaic Thermal (GiSPVT) system: Quasi-steady state analysis -- Chapter-IX Thermal Modeling of GiSPVT Solar Dryer: Quasi-steady state analysis -- Chapter-X Thermal Modeling of Greenhouse integrated Semi-transparent Photo-voltaic Thermal (GiSPVT) system: A periodic analysis -- Chapter-XI Application of PVT Technology.

Sommario/riassunto

This book discusses topics such as solar energy, heat transfer, solar cell and photovoltaic module, greenhouse-integrated semi-transparent photovoltaic thermal (GiSPVT) system for agriculture and aquaculture, GiSPVT solar dryer, and PVT water and air collector for water heating, air heating, biogas heating and swimming pool heating, etc. The book also discusses energy matrices, including EPBT, EPF, and LCCE. It includes pedagogical elements such as exercises, tables, and figures including problems and objective questions at the end of each chapter. Further, it includes the unit conversion from FPS system to SI unit of each parameter, namely length, energy, power, velocity, pressure force, etc., and some standard constants used in examples. Quasi steady state and periodic modeling of PVT technology described in the book is a useful reference for students, researchers, and academicians to design solar energy-based technology.