

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 publisher, 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 Biomes 8. 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 CO<sub>2</sub> Efflux in Boreal Forests; 13. Trace Gas and CO<sub>2</sub> Contributions of Northern Peatlands to Global Warming Potential; 14. Contribution of Trace Gases Nitrous Oxide (N<sub>2</sub>O) and Methane (CH<sub>4</sub>) 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

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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

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2. 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.