

1.	Record Nr.	UNINA990000373620403321
	Autore	Autodesk
	Titolo	AUTODESK AG : Sistema Grafico AutoCAD : Guido all'Uso
	Pubbl/distr/stampa	s.l. : s.e., 1986
	Descrizione fisica	2 v. ; 30 cm
	Locazione	DINCH
	Collocazione	04 013-335/1 04 013-335/2
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910298397803321
	Titolo	Advanced High-Resolution Tomography in Regenerative Medicine : Three-Dimensional Exploration into the Interactions between Tissues, Cells, and Biomaterials // edited by Alessandra Giuliani, Alessia Cedola
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
	ISBN	3-030-00368-X
	Edizione	[1st ed. 2018.]
	Descrizione fisica	1 online resource (235 pages)
	Collana	Fundamental Biomedical Technologies, , 1559-7083
	Disciplina	616.0757
	Soggetti	Regenerative medicine Tissue engineering Radiology Stem cells Biomaterials Regenerative Medicine/Tissue Engineering Imaging / Radiology Stem Cells
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa

Nota di contenuto

The Huge Machines of Physics: the bet of the Multidisciplinary Research Teams in Regenerative Medicine -- X-ray Microtomography: the basic principles for dummies -- Role of X-ray Microtomography in Regenerative Medicine -- Synchrotron Radiation – based Microtomography: what opportunities more? -- From Projections to the 3D Exploration of the Regenerated Tissue: Algorithms, Software and more -- Inside the bone: applications in Orthopedics and Dentistry -- The Challenge of the Vascularization of Regenerated Tissues -- Lung Imaging: Alterations and treatment Approaches in Pulmonary Diseases -- Better Cartilage Imaging at Synchrotron Facilities -- Into the “Heart” of the problem: which contributes to Cardiac Regeneration -- Frontiers in Muscle Diseases: the X-ray microtomography Support to latest Researches -- Brain, Drug release and more: what is cooking in research related to other Districts -- Towards an Increased Sensitivity by the In-line Phase Tomography -- Perspectives and Prospective from insiders -- Role of Standard X-ray Microtomography in Tissue Engineering.

Sommario/riassunto

This book covers the state-of-the-art research on advanced high-resolution tomography, exploring its role in regenerative medicine. and also explores the 3D interactions between tissues, cells, and biomaterials. Various multidisciplinary paths in regenerative medicine are covered, including X-ray microtomography and its role in regenerative medicine, synchrotron radiation-based microtomography and phase contrast tomography, the challenge of the vascularization of regenerated tissues, lung and cartilage imaging, and more. This is an ideal book for biomedical engineers, biologists, physicists, clinicians, and students who want to pursue their studies in the field of regenerative medicine. This book also: Reviews in detail the algorithms and software used for the 3D exploration of regenerated tissue Covers the latest research on the use of X-ray microtomography for muscle diseases Details applications of synchrotron radiation tomography in orthopedics and dentistry.

3. Record Nr.	UNINA9910970294403321
Titolo	National capacity in forestry research // Committee on National Capacity in Forestry Research, Board on Agriculture and Natural Resources, Division on Earth and Life Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, c2002
ISBN	9786610183623 9780309182737 0309182735 9781280183621 1280183624 9780309566049 0309566045
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xvii, 144 pages)
Collana	Compass series
Disciplina	634.9
Soggetti	Forests and forestry - Research - United States Forests and forestry - United States Forests and forestry - Research Forestry schools and education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	The Committee "sponsored a workshop on forestry-research capacity on July 16-17, 1999, which ... was an important component of this project"--Preface.
Nota di bibliografia	Includes bibliographical references (p. 128-135).
Nota di contenuto	""National Capacity in Forestry Research""; ""Copyright""; ""Preface""; ""Acknowledgments""; ""Contents""; ""Executive Summary""; ""DEFINING FORESTRY-RESEARCH CAPACITY""; ""THE VALUE OF FORESTRY RESEARCH""; ""KEY PLAYERS""; ""KNOWLEDGE BASE AND PRIORITIES""; ""ASSESSING THE STATUS OF FORESTRY RESEARCH""; ""ENHANCING FORESTRY-RESEARCH PERSONNEL, FACILITIES, AND INFRASTRUCTURE""; ""LEADERSHIP AND STRATEGIC PLANNING""; ""CREATING INTELLECTUAL AND SCIENTIFIC-RESEARCH CAPITAL""; ""INCREASING STRENGTH, COLLABORATION, AND DIVERSIFICATION IN FORESTRY RESEARCH""; ""ENSURING PROGRESS""

""1 Need, Context, and Foundation for Forestry Research"" ""THE
 CURRENT STUDY""; ""Boundaries of the Assessment""; ""DEFINING
 FORESTRY-RESEARCH CAPACITY""; ""INSTITUTIONAL FRAMEWORK FOR
 FORESTRY-RELATED RESEARCH""; ""EARLY FORESTRY RESEARCH AND
 EDUCATION""; ""THE IMPORTANCE OF MAINTAINING, PROTECTING, AND
 ENHANCING TODAY'S FORESTS FOR TOMORROW""; ""FUTURE
 CHALLENGES""; ""FORESTRY EDUCATION AND RESEARCH""; ""2 The
 Essential Knowledge Base for Forestry Issues""; ""KNOWLEDGE BASE
 REQUIRED""; ""Foundation Education and Research Priorities"";
 ""Emerging Education and Research Priorities""
 ""Stewardship and Sustainability of Public Lands"" ""Sustainable-
 Management Criteria and Indicators""; ""Forest Certification""; ""Forest-
 Industry Priorities""; ""New Forestry-Research Challenges"";
 ""WORKSHOP INPUT ON AN ESSENTIAL KNOWLEDGE BASE"";
 ""CONCLUSIONS AND RECOMMENDATIONS""; ""3 Current Forestry-
 Research Capacity in the United States""; ""ASSESSING FORESTRY-
 RESEARCH CAPACITY""; ""A PORTRAIT OF THE FORESTRY-RESEARCH
 WORKFORCE""; ""USDA Forest Service""; ""Research Scientists"";
 ""Research Productivity""; ""Research Quality""; ""Research Advisory
 Body""
 ""Professional Forestry Schools and Colleges"" ""Faculty""; ""Forestry
 Extension""; ""Private Industry""; ""Total Forestry Research Workforce by
 Sector, Function, and Sustainable Forest Management Criteria"";
 ""INVESTMENT IN FORESTRY RESEARCH""; ""Forest Service Research
 Support""; ""Other Federal Forestry-Research Funding""; ""Leveraging
 Research Support""; ""University Research Support""; ""Contributions of
 the Forest Products Industry""; ""Other Sources of Research Support"";
 ""EVALUATING RETURN ON INVESTMENT IN FORESTRY RESEARCH"";
 ""CONCLUSIONS AND RECOMMENDATIONS""; ""Personnel""
 ""Research Quality, Productivity, and Efficacy"" ""Fiscal Strength"";
 ""Toward Greater Capacity""; ""4 Preparing Forestry Scientists and Users
 of Forestry Science""; ""THE FUTURE OF FORESTRY EDUCATION"";
 ""TRENDS IN ENROLLMENT AND GRADUATION""; ""FORESTRY AS AN
 ACADEMIC SUBJECT""; ""CURRICULUM AS A CONCEPT""; ""MODELS FOR
 FORESTRY EDUCATION""; ""Broad Trends in Forestry Education"";
 ""WHAT ABOUT RESEARCH?""; ""WHAT ABOUT CURRICULA?"";
 ""ADEQUACY AND CAPACITY OF UNIVERSITY PROGRAMS TO MEET
 NEAR-FUTURE NEEDS""; ""Disciplinary Breadth of Forestry Education"";
 ""Numbers of Scientists""; ""Diversity of Scientists""

Sommario/riassunto

Forests are major components of the earth's natural resources and they are increasingly critical to the welfare of the U.S. economy, environment, and population. Desires to improve forest management and productivity, preserve biodiversity, maintain ecologic integrity, and provide societal services, such as recreation and tourism, necessitate a strong forestry-research base. Given the clear importance of forestry research in sustaining forests for the future, the U.S. Department of Agriculture (USDA) Forest Service asked the Board on Agriculture and Natural Resources of the National Academies to undertake a study of the nation's capacity in forestry research. The Committee on National Capacity in Forestry Research was appointed to carry out the study, which was conducted to review the current expertise and status of forestry research and to examine the approaches of natural resources education and forestry-research organizations to meet future needs.