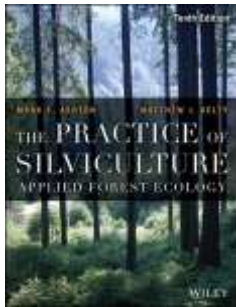


## Practice of Silviculture: Applied Forest Ecology



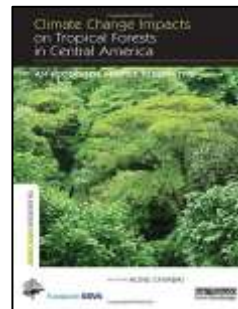
v měkké vazbě, 776 stran  
vyd. Wiley-Blackwell, 10.vydání,  
III/2018  
ISBN 9781119270959

katalog.cena cca 3.080 Kč vč.DPH  
v této nabídce **2.480 Kč** vč.DPH

The most up-to-date, comprehensive resource on silviculture that covers the range of topics and issues facing today's foresters and resource professionals. The tenth edition of the classic work, *The Practice of Silviculture: Applied Forest Ecology*, includes the most current information and the results of research on the many issues that are relevant to forests and forestry. The text covers such timely topics as biofuels and intensive timber production, ecosystem and landscape scale management of public lands, ecosystem services, surface drinking water supplies, urban and community greenspace, forest carbon, fire and climate, and much more. In recent years, silvicultural systems have become more sophisticated and complex in application, particularly with a focus on multi-aged silviculture. There have been paradigm shifts toward managing for more complex structures and age-classes for integrated and complementary values including wildlife, water and open space recreation. Extensively revised and updated, this new edition covers a wide range of topics and challenges relevant to the forester or resource professional today.

This full-color text offers the most expansive book on silviculture and: \* Includes a revised and expanded text with clear language and explanations \* Covers the many cutting-edge resource issues that are relevant to forests and forestry \* Contains boxes within each chapter to provide greater detail on particular silvicultural treatments and examples of their use \* Features a completely updated bibliography plus new photographs, tables and figures

## Climate Change Impacts on Tropical Forests in Central America



v měkké vazbě, 220 stran  
vyd. Routledge, VI/2017  
ISBN 9781138506862

katalog.cena cca 1.200 Kč vč.DPH  
v této nabídce **980 Kč** vč.DPH

The loss of biodiversity is a major environmental problem in nearly every terrestrial ecosystem on Earth. This loss is accelerating driven by climate change, as well as by other causes including agricultural exploitation, fragmentation and degradation triggered by land use changes. The crucial issue under debate is the impact on the welfare of current and future population, and the role of humans in the exploitation of natural resources.

This is of particular importance in Central America, which is amongst the richest and most threatened biodiversity regions on the Earth, and where the loss of ecosystems strongly affects its socio-economic vulnerability. This book addresses the impacts of climate and land-use change on tropical forest ecosystems in this important region, and assesses the expected economic costs if no policy action is taken, under different future scenarios and for different geographical scales. This innovative collection utilises both theoretical approaches and empirical results to provide a conceptual framework for an integrated analysis of climate and land-use change impacts on forest ecosystems and related economic effects, offering insight into the complex relationship between ecosystems and benefits to humans.

This important contribution to forest ecosystems and climate change provides invaluable reading for students and scholars in the fields of environmental and ecological economics, environmental science and forestry, natural resource management, agriculture and climate change.

## Mixed-Species Forests

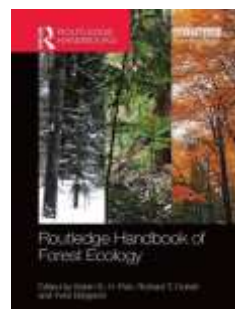


v pevné vazbě, 653 stran  
vyd. Springer, VI/2017  
ISBN 9783662545515

katalog.cena cca 2.420 Kč vč.DPH  
v této nabídce **1.920 Kč** vč.DPH

This textbook offers a detailed overview of the current state of knowledge concerning the ecology and management of compositionally and structurally diverse forests. It provides answers to central questions such as: What are the scientific concepts used to assess the growth, dynamics and functioning of mixed-species forests, how generalizable are they, and what kind of experiments are necessary to develop them further? How do mixed-species stands compare with monocultures in relation to productivity, wood quality, and ecological stability in the face of stress and disturbances? How are the effects of species mixtures on ecosystem functioning influenced by the particular species composition, site conditions, and stand structure? How does any over- or underyielding at the forest-stand level emerge from the tree and organ level, and what are the main mechanisms behind mixing effects? How can our current scientific understanding of mixed-species forests be integrated into silvicultural concepts as well as practical forest management and planning? Do the ecological characteristics of mixed-species stands also translate into economic differences between mixtures and monocultures? In addition, the book addresses experimental designs and analytical approaches to study mixed-species forests and provides extensive empirical information, general concepts, models, and management approaches for mixed-species forests. As such, it offers a valuable resource for students, scientists and educators, as well as professional forest planners, managers, and consultants.

## Routledge Handbook of Forest Ecology



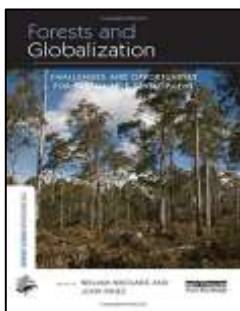
v měkké vazbě, 640 stran  
vyd. Routledge, I/2018  
ISBN 9781138495319

katalog.cena cca 1.560 Kč vč.DPH  
v této nabídce **1.240 Kč** vč.DPH

This comprehensive handbook provides a unique resource covering all aspects of forest ecology from a global perspective. It covers both natural and managed forests, from boreal, temperate, sub-tropical and tropical regions of the world. The book is divided into seven parts, addressing the following themes: forest types forest dynamics forest flora and fauna energy and nutrients forest conservation and management forests and climate change human impacts on forest ecology.

While each chapter can stand alone as a suitable resource for a lecture or seminar, the complete book provides an essential reference text for a wide range of students of ecology, environmental science, forestry, geography and natural resource management. Contributors include leading authorities from all parts of the world.

## Forests and Globalization



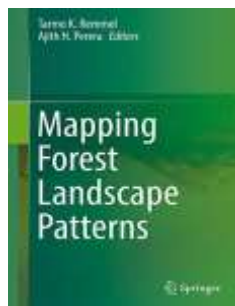
v měkké vazbě, 226 stran  
vyd. Routledge, VI/2017  
ISBN 9781138304505

katalog.cena cca 1.200 Kč vč.DPH  
v této nabídce **980 Kč** vč.DPH

The overarching contribution of this book is a review and assessment of the current and future impacts of globalization on the world's forests. The work has been developed by the "Resources for the Future" Task Force for the International Union of Forest Research Organizations (IUFRO). Four key themes are addressed: the effect of globalization on forests (including future trade flows); plantations as the primary source of forest products and its consequences, including plant breeding and forest health; the effect of new products such as bio-products and markets on forests; and the emergence of forest ecosystem services and their impact on the landscape and human communities.

These four themes are examined in detail to map out the impacts of these trends for forests throughout the world and at multiple scales, and how forest research needs to be adapted to address these trends. Overall, the volume provides a major synthesis of current thinking and knowledge on the topic for advanced students, as well as policy-makers and professionals in the forest sector.

## Mapping Forest Landscape Patterns



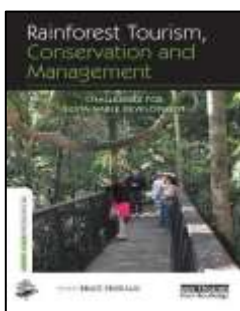
v pevné vazbě, 326 stran  
vyd. Springer, IX/2017  
ISBN 9781493973293

katalog.cena cca 3.830 Kč vč.DPH  
v této nabídce **3.060 Kč** vč.DPH

This book explores the concepts, premises, advancements, and challenges in quantifying natural forest landscape patterns through mapping techniques. After several decades of development and use, these tools can now be examined for their foundations, intentions, scope, advancements, and limitations. When applied to natural forest landscapes, mapping techniques must address concepts such as stochasticity, heterogeneity, scale dependence, non-Euclidean geometry, continuity, non-linearity, and parsimony, as well as be explicit about the intended degree of abstraction and assumptions.

These studies focus on quantifying natural (i.e., non-human engineered) forest landscape patterns, because those patterns are not planned, are relatively complex, and pose the greatest challenges in cartography, and landscape representation for further interpretation and analysis.

## Rainforest Tourism, Conservation and Management



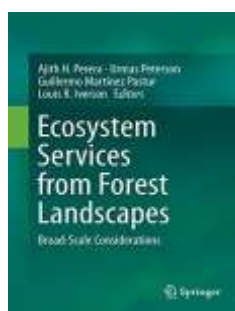
v měkké vazbě, 322 stran  
vyd. Routledge, VI/2017  
ISBN 9780415743075

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v této nabídce **980 Kč** vč.DPH

Globally rainforests are under threat on numerous fronts, including clearing for agriculture, harvesting for timber and urban expansion. Yet they have a crucial role in biodiversity conservation, climate change mitigation and providing other ecosystem services. Rainforests are also attractive tourist spaces and where they have been used as a tourism resource they have generated significant income for local communities. However, not all use of rainforests as a tourism resource has been sustainable. This book argues that sustainability must be the foundation on which tourism use of this complex but ultimately fragile ecosystem is built upon. It provides a multi-disciplinary perspective, incorporating rainforest science, management and tourism issues. The book is organized into four sections commencing with 'Tourism in rainforest regions', followed by 'Threats to rainforest tourism' and 'The development and management of rainforest experiences', and finally 'Wildlife and rainforest tourism'.

Each major rainforest region is covered, including the Amazon, Central America, Africa, Australia and south-east Asia, in the context of a specific issue. For example, rainforests in Papua New Guinea are examined in the context of community-based ecotourism development, while the rainforests in Borneo are discussed in an examination of wildlife issues. Other issues covered in this manner include governance, empowerment issues for rainforest peoples and climate change.

## Ecosystem Services from Forest Landscapes



v pevné vazbě, 264 stran  
vyd. Springer, IV/2018  
ISBN 9783319745145

katalog.cena cca 4.260 Kč vč.DPH  
v této nabídce **3.390 Kč** vč.DPH

Over the last two decades, the topic of forest ecosystem services has attracted the attention of researchers, land managers, and policy makers around the globe. The services rendered by forest ecosystems range from intrinsic to anthropocentric benefits that are typically grouped as provisioning, regulating, supporting, and cultural. The research efforts, assessments, and attempts to manage forest ecosystems for their sustained services are now widely published in scientific literature.

This volume focuses on broad-scale aspects of forest ecosystem services, beyond individual stands to large landscapes. In doing so, it illustrates the conceptual and practical opportunities as well as challenges involved with planning for forest ecosystem services across landscapes, regions, and nations. The goal here is to broaden the scope of land use planning through the adoption of a landscape-scale approach.

Even though this approach is complex and involves multiple ecological, social, cultural, economic, and political dimensions, the landscape perspective appears to offer the best opportunity for a sustained provision of forest ecosystem services.