

Canopy Arthropod Research in Europe

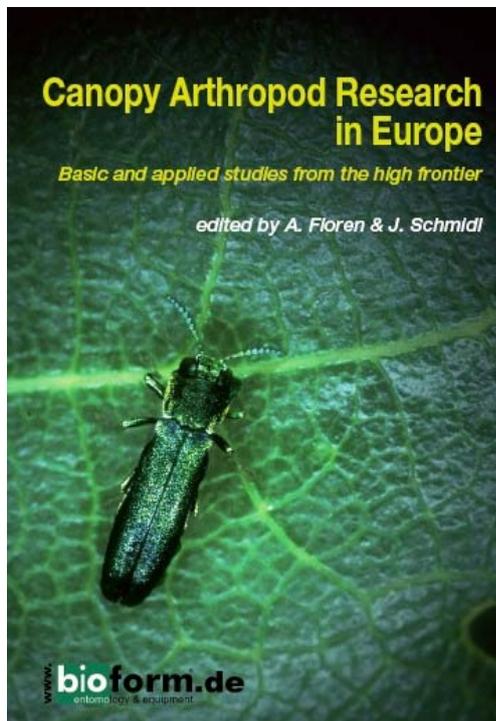
Basic and applied studies from the high frontier

Edited by Andreas Floren (Univ. Würzburg) & Jürgen Schmidl (Univ. Erlangen-Nuremberg)

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2008, softcover, 576 pp., ISBN 978-3-935654-01-2, price 49,90 €

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Aims & Scope: In contrast to tropical ecosystems, in temperate zones the importance of canopy ecology is underestimated and underrepresented in science projects. Recent surveys and studies show that also in temperate forest canopies a diverse arthropod fauna exists, containing specialized and endangered species and even species new to science. Species and guild compositions of canopy arthropods in European forests are not yet described sufficiently, and many functional aspects of temperate forests still are not understood or studied.

The present volume tries to reduce this gap by summarizing studies and papers dealing with canopy arthropods in Europe. Aspects of diversity, function, structure and dynamics of canopy arthropod as well as aspects of nature conservation and transmission of scientific results into forestry and management practice are central aims of this book.

Contents & Chapters: Foreword • Introduction • General forest ecological aspects • Arthropod diversity, guilds and structure related communities • Stratification and distribution of arthropods in tree habitats • Anthropogenic and natural disturbance structuring arthropod communities • Canopy research and its impact on forestry and nature protection practice.

The volume is fully refereed

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Canopy Arthropod Research in Europe

Basic and applied studies from the high frontier.

Edited by Andreas Floren and Jürgen Schmidl

"As the global community comes to realise that our climatic future is intimately tied up with the health of our forests so canopy studies take their rightful place in the forefront of forest science. This book will ensure that studies of temperate forest canopies no longer remain the 'poor cousins' of tropical canopy studies. The research described will stimulate new and exciting activities in temperate canopy studies as well as giving the newcomer to the field an invaluable insight into what has gone before." Roger Kitching, Professor of Ecology, Griffith University, Brisbane

Table of Content

Foreword, *by the editors*

Foreword, *by Karl Eduard Linsenmair*

1 Introduction

Canopy arthropod research in Europe, *by Andreas Floren and Jürgen Schmidl*

Canopy research on a worldwide scale: biodiversity, climate change and forest canopies, *by Andrew Mitchell, Director Global Canopy Programme*

2 General forest ecological aspects

Canopy structure and its effect on canopy organisms: a general introduction and some first findings of the Leipzig Canopy Crane Project with special reference to vertical stratification, *by Peter J. Horschler and Wilfried Morawetz*

Microclimatic variability in the canopy of a temperate forest, *by Ophir Tal, Martin Freiberg and Wilfried Morawetz*

Tree species composition and historic changes of the Central European oak/beechness region, *by Carsten Rüter and Helge Walentowski*

Tree crowns and forest systems from a forestry point of view, *by Hans Stark and Olaf Schmidt*

3 Arthropod diversity, guilds, and resource related communities

Species of the genus *Oedalea* Meigen, 1820 (Diptera: Hybotidae): An element of the canopy fauna in European forests?, *by Andreas Stark*

Heteroptera communities in tree crowns of beech, oak and spruce in managed forests: diversity, seasonality, guild structure, and tree specificity, *by Martin Goßner*

Diversity of Neuropterida in mixed forest stands in Germany, *by Axel Gruppe*

The ants of Central European tree canopies (Formicidae) - an underestimated population?, *by Bernhard Seifert*

Tracking the elusive: leafhoppers and planthoppers (Hemiptera) in tree canopies of European deciduous forests, *by Herbert Nickel*

Search in the canopies and you will find new species records of insects, *by Karl H. Thunes, Ivar Gjerde, Daniel V. Hagan and Ryszard Szadziewski*

Species richness and historical relations of arboreal phytophagous beetles - a study based on fogging samples from primeval forests of Poland, Romania and Slovenia (Chrysomeloidea, Curculionoidea), *by Peter Sprick and Andreas Floren*

Species list and feeding guilds of arboreal phytophagous beetles (Chrysomelidae, Curculionoidea) in Germany, *by Peter Sprick*

Abundance and ordinal composition of arboreal arthropod communities of various trees in old primary and managed forests, *by Andreas Floren*

4 Stratification and distribution of arthropods in tree habitats

Tracing arthropod movement in a deciduous forest canopy using stable isotopes, *by Roman Asshoff, Sonja G. Keel, Rolf T. W. Siegwolf and Christian Körner*

Oribatid mites in the canopy of a Central European mixed forest: species richness and species similarity between tree species and habitat types, *by Stephanie Sobek, Christian Kampichler and Gerd Weigmann*

Stratification of 'macro-Lepidoptera' in northern Bavarian forest stands dominated by different tree species, *by Hermann Hacker and Jörg Müller*

Vertical and horizontal distribution of arthropods in temperate forests, *by Axel Gruppe, Martin Goßner, Kerstin Engel and Ulrich Simon*

5 Anthropogenic and natural disturbance structuring arthropod communities

Introduced tree species as an anthropogenic disturbance of arthropod communities in tree crowns of managed forests - a case study of native Heteroptera communities on introduced red oak, *by Martin Goßner*

The diversity of moths communities in different structured oak-hornbeam forests - a comparison of different states of succession in coppice with standard and forests with high standard trees, *by Ralf Bolz*

The impact of flooding and forestry on the species composition of xylobiontic and phytophagous beetles on oak canopies of the Bavarian Danube floodplain, *by Johannes Bail and Jürgen Schmidl*

Ichneumonidae from the canopies of primary and managed oak forests in eastern Poland and southern Germany, *by Klaus Horstmann and Andreas Floren*

Do spider communities in primary forests differ from those in forest-plantations? A canopy study in the Białowieża-Forest (Poland), *by Andreas Floren, Stefan Otto and Karl Eduard Linsenmair*

Diptera (Brachycera) in oak forest canopies - management and stand openness gradient determine diversity and community structure, *by Klaus von der Dunk and Jürgen Schmidl*

Xylobiontic beetle guild composition and diversity driven by forest canopy structure and management, *by Jürgen Schmidl and Heinz Bussler*

6 Canopy research and its impact on forestry and nature conservation

Integrating tree crown science with the development of 'Near-to-Nature' forest management practices: examples from Bavaria, *by Ulrich Ammer, Martin Goßner, Axel Gruppe and Ulrich Simon*

Conservation of coppice with standards for canopy arthropods: the Bavarian Conservation Programme for Forests, *by Alois Liegl and Matthias Dolek*

Conservation efforts and strategies for forest canopies in Germany: a review of conservation programmes, *by Andreas Häusler, Matthias Dolek, Wolfram Gütthler and Renate Market*