

Penev  
Niemelä  
Kotze  
Chipev  
Editors

Ecology of the City of Sofia

PENSOFT

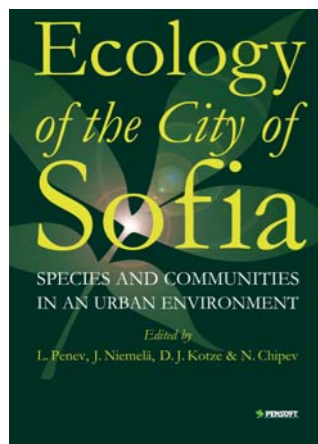
# Ecology of the City of Sofia

SPECIES AND COMMUNITIES  
IN AN URBAN ENVIRONMENT

*Edited by*

L. Penev, J. Niemelä, D. J. Kotze & N. Chipev

 PENSOFT



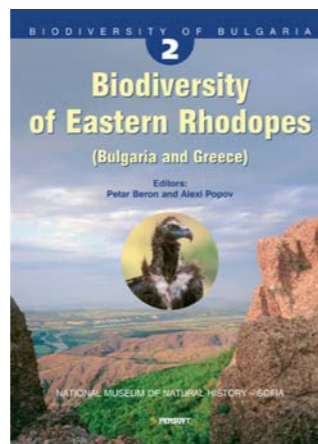
2004. Penev, L., Niemelä, J., Kotze, D.J., Chipev, N. (Eds.) **Ecology of the City of Sofia. Species and Communities in an Urban Environment**  
Pensoft Publishers, Sofia-Moscow  
ISBN 954-642-224-X  
165x240, a collection of 26 papers, numerous graphs, tables, photos, bibliography  
456 pp. Hardback  
Price EUR 59.50

The book consists of three parts – Environment, Plants and Animals. The papers in the first part aim to describe the environment of Sofia – climate, water and air – in order to provide a basis for present-day and future research on the biota and to outline some recommendations for improving the human comfort in the city. The botanical part consists of nine papers, ranging from inventories (bryophytes, vascular plants) to studies on the soil moisture regime and lead transformation in city parks. In the third part, eleven papers summarize data on several animal groups – nematodes, myriapods, terrestrial gastro-pods, opilionids, spiders, carabid beetles, ants, aphids, scuttle-flies and birds.

The book is intended for urban ecologists, conservationists, environmentalists, urban planning specialists, zoologists, botanists and anyone interested in ecological and environmental issues.

**CONTENTS:** The Sofia (Bulgaria) GLOBENET Sites: Description and Spatial Variation of the Landscape Mosaic \* Climate and Human Comfort of Sofia \* Urban Climate and Air Quality – a Review \* Air Quality of Sofia City – Meteorological Aspects \* Water Quality of the Sofia Region \* Urban Planning and Ecological Problems of the Green Systems of Large Cities in Bulgaria: Sofia as a Case Study \* Bryophytes in the city of Sofia \* Mapping Air Quality Using a Lichen Diversity Index in Northeastern Sofia \* The Vascular Flora of the City of Sofia \* Soil Moisture Regime in Forest Plantations in the Borisova Gradina Park and in the North Park in Sofia \* Dendrological Structure of the Green Areas in Sofia \* Environmental Problems for Trees in the Green System of Sofia \* Medicinal Plant Species and Edible Macromycetes in the City of Sofia – Dangerous for Man? \* Pathological and Entomological Problems of Trees in the Sofia City Green System \* Lead in the Atmosphere-soil-plant System in the Forest Park of Boris' Garden – Sofia \* Distribution Patterns of Nematode Communities in an Urban Forest in Sofia, Bulgaria \* Myriapoda (Chilopoda, Diplopoda) in Urban Environments in the City of Sofia \* Spatial Variation in Terrestrial Gastropod Communities (Gastropoda, Pulmonata) along Urban-Rural Gradients in Sofia City, Bulgaria \* The Harvestmen Fauna (Opiliones, Arachnida) of the City of Sofia (Bulgaria) and its Adjacent Regions \* Spiders from the Sofia Region. A Faunistic and Zoogeographical Analysis \* A Checklist of the Aphids (Homoptera, Aphidoidea) from the City of Sofia \* Spatial Structure of Carabid Beetle Assemblages along an Urban-Rural Gradient \* The Ground-Beetle (Coleoptera: Carabidae) Fauna of Sofia, Bulgaria: a Checklist \* A Faunistic Investigation of the Ants (Hymenoptera, Formicidae) in the City of Sofia \* Compound Nests and Mixed Colonies of Ant Species (Hymenoptera, Formicidae) in Sofia, Bulgaria \* Scuttle Flies (Diptera: Phoridae) from Urban and Suburban Areas in the Sofia Plain \* The Diurnal and Nocturnal Birds of Prey (Falconiformes and Strigiformes) Nesting in the Territory of Sofia \* Magpie (*Pica pica*) Population Density and Habitat Distribution in the City of Sofia

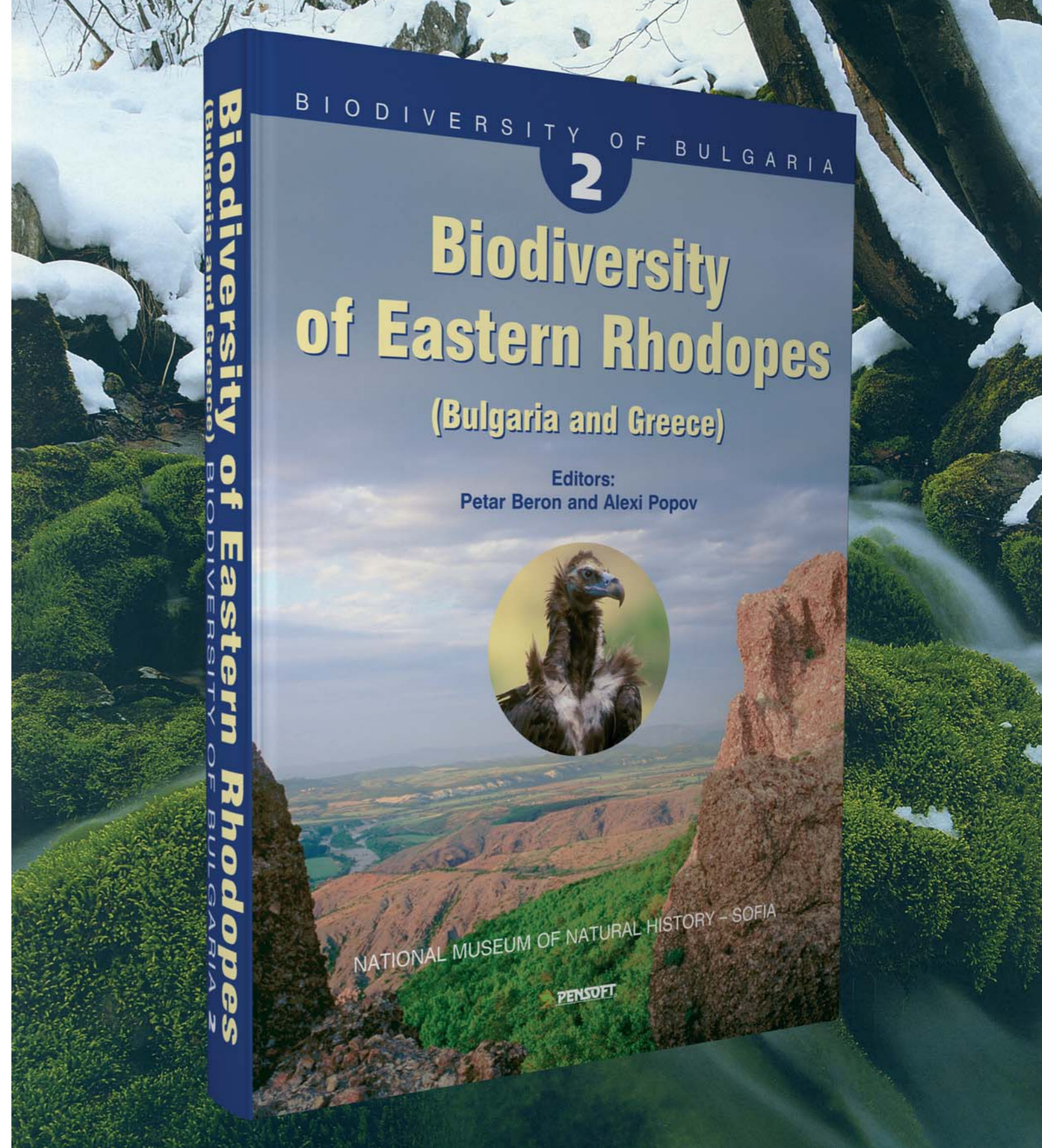
Table of contents and sample pages at:  
<http://www.pensoft.net/newreleases/12168.html>



2004. Beron, P., Popov, A. (Eds.) **Biodiversity of Eastern Rhodopes (Bulgaria and Greece).**  
**Biodiversity of Bulgaria, vol. 2.**  
Pensoft Publishers, Sofia-Moscow  
Co-published with the National Museum of Natural History – Sofia  
ISBN 954-642-227-4  
Pensoft Series Faunistica No. 41,  
ISSN 1312-0174  
170x240, photos, black and white figures, tables, drawings, index, bibliography  
952 pp. Hardback  
Price EUR 74.50

The second volume of the series „Biodiversity of Bulgaria“ deals with both parts (Bulgarian and Greek) of the Eastern Rhodope Mountains. The book consists of three articles on the flora (1962 species of higher plants) and 45 articles on the fauna (4329 animal species, both vertebrates and invertebrates). The volume contains also zoogeographical analysis of each group, data about relicts, endemics and sites of importance for conservation. The huge amount of information is provided by more than 56 authors from Bulgaria and abroad. The book is indispensable for any zoological library, especially those collecting faunistic surveys, as well as for zoologists, biogeographers, conservationists, collectors and all lovers of nature.

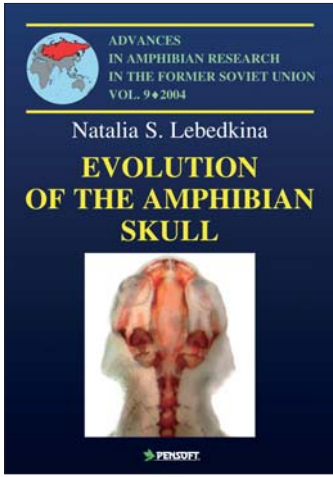
**CONTENTS:** Foreword \* Physical-Geographical characteristics of the Eastern Rhodopes \* Flora of the Eastern Rhodopes (Bulgaria) and its conservation significance \* Flora of the serpentine complexes in Eastern Rhodopes (Bulgaria) \* New data and notes on the flora of the Eastern Rhodopes (Bulgaria) \* Les Cilie's (Protozoa: Ciliophora) des biotopes aquatiques du massif des Rhodopes (Bulgarie) \* The freshwater medusa *Craspedacusta sowerbii* Lankester, 1880 (Hydrozoa: Olindiidae) in Ivaylovgrad Dam (Eastern Rhodopes, Bulgaria) \* The freshwater crab (Crustacea: Decapoda: Potamidae) in the Eastern Rhodopes (Bulgaria) \* The false scorpions (Arachnida: Pseudoscorpiones) of the Eastern Rhodopes (Bulgaria and Greece) \* Harvestmen (Arachnida: Opiliones) of the Eastern Rhodopes (Bulgaria) \* Spiders (Araneae) from the Eastern Rhodopes (Bulgaria and Greece) \* A new species of the millipede genus *Metonomastus* Attems, 1937 from a cave in the Eastern Rhodopes (Bulgaria), with some remarks on its congeners (Diplopoda: Paradoxosomatidae) \* The myriapods (Chilopoda, Diplopoda) of the Eastern Rhodopes (Bulgaria and Greece) \* Dragonflies (Insecta: Odonata) of the Eastern Rhodopes (Bulgaria and Greece) \* Stoneflies (Plecoptera) from the Eastern Rhodopes (Bulgaria) \* Dermaptera, Mantodea, Blattodea, Isoptera and Orthoptera of the Eastern Rhodopes (Bulgaria and Greece) \* Aphids (Homoptera, Aphidoidea) from the Eastern Rhodopes (Bulgaria) Cicadina (Insecta: Homoptera) of the Eastern Rhodopes (Bulgaria) \* Heteroptera (Insecta) in the Bulgarian Part of the Eastern Rhodopes \* List of Raphidioptera, Neuroptera and Mecoptera published from the Eastern Rhodopes (Bulgaria and Greece) \* A'dephagous and some staphyliniform beetles (Insecta: Coleoptera) in the Eastern Rhodopes (Bulgaria and Greece) \* Histeridae (Insecta: Coleoptera) from the Eastern Rhodopes (Bulgaria) \* Jewel Beetles (Coleoptera: Buprestidae) from the Eastern Rhodopes (Bulgaria) \* Ladybirds (Coleoptera: Coccinellidae) in the Eastern Rhodopes (Bulgaria) \* Longhorn beetles (Coleoptera: Cerambycidae) in the Eastern Rhodopes (Bulgaria) \* Zoogeographical study on the leaf beetles of the subfamilies Eumolpinae, Chrysomelinae, Alticinae, Hispinae and Cassidinae (Coleoptera: Chrysomelidae) in the Eastern Rhodopes (Bulgaria) \* Second species of the genus *Trogloorhynchus* F. Schmidt (Coleoptera: Curculionidae: Otiorrhynchinae) in the Bulgarian Eastern Rhodopes \* Checklist of the braconid fauna (Hymenoptera: Braconidae) collected in the Eastern Rhodopes (Bulgaria) \* Eurytomidae (Hymenoptera: Chalcidoidea) of the Eastern Rhodopes (Bulgaria) \* Eulophidae (Hymenoptera: Chalcidoidea) of the Eastern Rhodopes (Bulgaria) \* Ants (Hymenoptera: Formicidae) from the Eastern Rhodopes



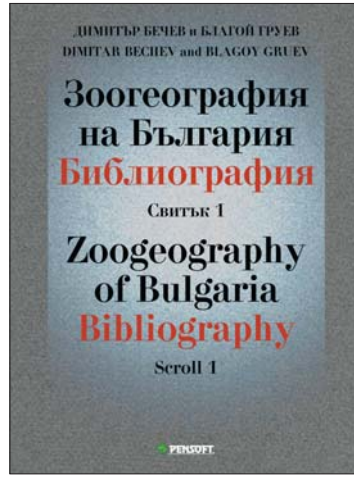
(Bulgaria) \* Trichoptera (Insecta) from the Eastern Rhodopes (Bulgaria and Greece) \* Butterflies and Moths (Insecta: Lepidoptera) of the Bulgarian part of Eastern Rhodopes \* Macrolepidoptera of the Greek part of the Eastern Rhodopes \* A preliminary survey of leafmining moths (Insecta: Lepidoptera: Microlepidoptera) of the Bulgarian part of Eastern Rhodopes \* Fungus Gnats (Diptera: Bolitophilidae, Diadocidiidae, Ditomyiidae, Keroplatidae, Mycetophilidae) of the Eastern Rhodopes (Bulgaria) \* Diptera Brachycera recorded for the Eastern Rhodopes (Bulgaria) \* Scuttle flies (Diptera: Phoridae) from the Eastern Rhodopes (Bulgaria) with special consideration of winter-active species \* Tachinidae (Diptera) from the Eastern Rhodopes (Bulgaria) \* Molluscs (Mollusca) from the Eastern Rhodopes (Bulgaria) \* Contribution to the knowledge of the terrestrial gastropod fauna (Mollusca: Gastropoda) of the Eastern Rhodopes (Bulgaria) \* The Invertebrate cave

fauna of the Eastern Rhodopes (Bulgaria and Greece) \* Contributions of various authors to the faunistics of the Eastern Rhodopes (Bulgaria and Greece) \* Fish species diversity in the Eastern Rhodopes (Bulgaria) \* The herpetofauna (Amphibia and Reptilia) of the Eastern Rhodopes (Bulgaria and Greece) \* Birds in the Bulgarian part of the Eastern Rhodopes \* Small mammals (Insectivora and Rodentia) of the Eastern Rhodopes (Bulgaria) \* Bats (Mammalia: Chiroptera) of the Eastern Rhodopes (Bulgaria and Greece) – species diversity, zoogeography and faunal patterns \* Biodiversity of large mammals (Macromammalia) in the Eastern Rhodopes (Bulgaria) \* Estimation of the Faunistic Diversity of the Eastern Rhodopes

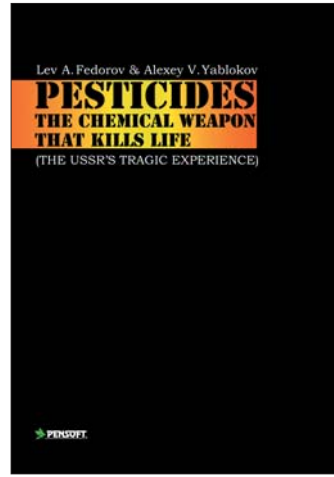
Table of contents and sample pages:  
<http://www.pensoft.net/newreleases/12239.html>



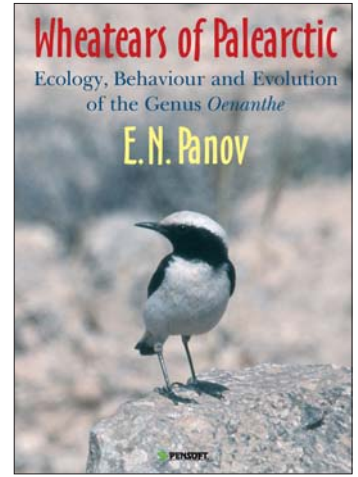
Paperback, 265 pp. Price: EUR 44.50  
<http://www.pensoft.net/newreleases/12167.html>



Paperback, 82 pp. Price: EUR 18.00  
<http://www.pensoft.net/newreleases/12073.html>



Hardback, 136 pp. Price: EUR 34.70  
<http://www.pensoft.net/newreleases/11248.html>



Hardback, 439 pp. Price: EUR 58.80  
<http://www.pensoft.net/newreleases/12169.html>



# ORDER FORM

**Attention Booksellers: Please ask for a quotation about bulk orders!**

Name .....

Address .....

Post/Zip code ..... Country ..... Telephone .....

Fax ..... Email .....

*Details of order:*

ISBN	Title	Qty	Price*	Total*

www.pensoft.net

www.pensoft.net

\* Please note publishers' prices are correct at the time of publication and subject to change without notice.  
**Postage and packing** are charged at cost and will be added to your bill, according to the following table:  
 Surface mail (Europe): under 1 kg – €7; 1-2 kg – €12; 2-3 kg – €18; above 3 kg – €18+€2 for every additional kg.  
 Airmail (recommended to all overseas customers): under 1 kg – €24; 1-2 kg – €38; 2-3 kg – €53; 3-10 kg – €53+€15 for every additional kg;  
 10-11 kg – €139; 11-20 kg – €139+€8 for every additional kg.  
 Payment in US dollars is possible at the exchange rate on the day of payment ([www.xe.com](http://www.xe.com))

**Payment details:**

- Please debit my Visa/Mastercard/Eurocard/Diners Club/JCB Cards (delete where appropriate)  
 Card number ..... Expiry date .....
- Switch issue number ..... Cardholder's name ..... CCV2 number ..... **Sign** .....
- I am enclosing a cheque to the value of EURO .....
- I will pay by bank transfer according to the bank details on your proforma/invoice
- We are library/organisation and we shall pay on receipt of books

PLEASE ORDER THROUGH YOUR LOCAL BOOKSELLER OR SEND YOUR ORDER TO:

**Post:** PENSOFT Publishers, Acad. G. Bonchev Str., Bl. 6, 1113 Sofia, Bulgaria; **Fax:** +359-2-8704508, or +359-2-9793406

**E-mail:** [pensoft@mbox.infotel.bg](mailto:pensoft@mbox.infotel.bg) or [info@pensoft.net](mailto:info@pensoft.net); **Pensoft Online Bookshop:** <http://www.pensoft.net>

**Please share this leaflet with colleagues or with the Librarian of your institute! Thank you!**

**ORDER ONLINE AT [WWW.PENSOFT.NET](http://WWW.PENSOFT.NET)**  
**Book content and sample pages at [www.pensoft.net/newreleases/](http://www.pensoft.net/newreleases/)**