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Ecology of the City of Sofia

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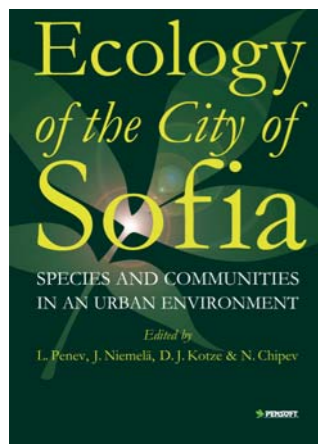
Ecology of the City of Sofia

SPECIES AND COMMUNITIES
IN AN URBAN ENVIRONMENT

Edited by

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

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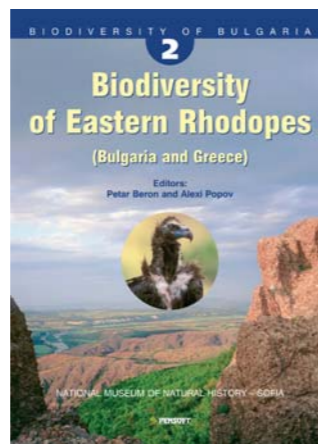
2004. Penev, L., Niemelä, J., Kotze, D.J., Chipev, N. (Eds.) **Ecology of the City of Sofia. Species and Communities in an Urban Environment**
Pensoft Publishers, Sofia-Moscow
ISBN 954-642-224-X
165x240, a collection of 26 papers, numerous graphs, tables, photos, bibliography
456 pp. Hardback
Price EUR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

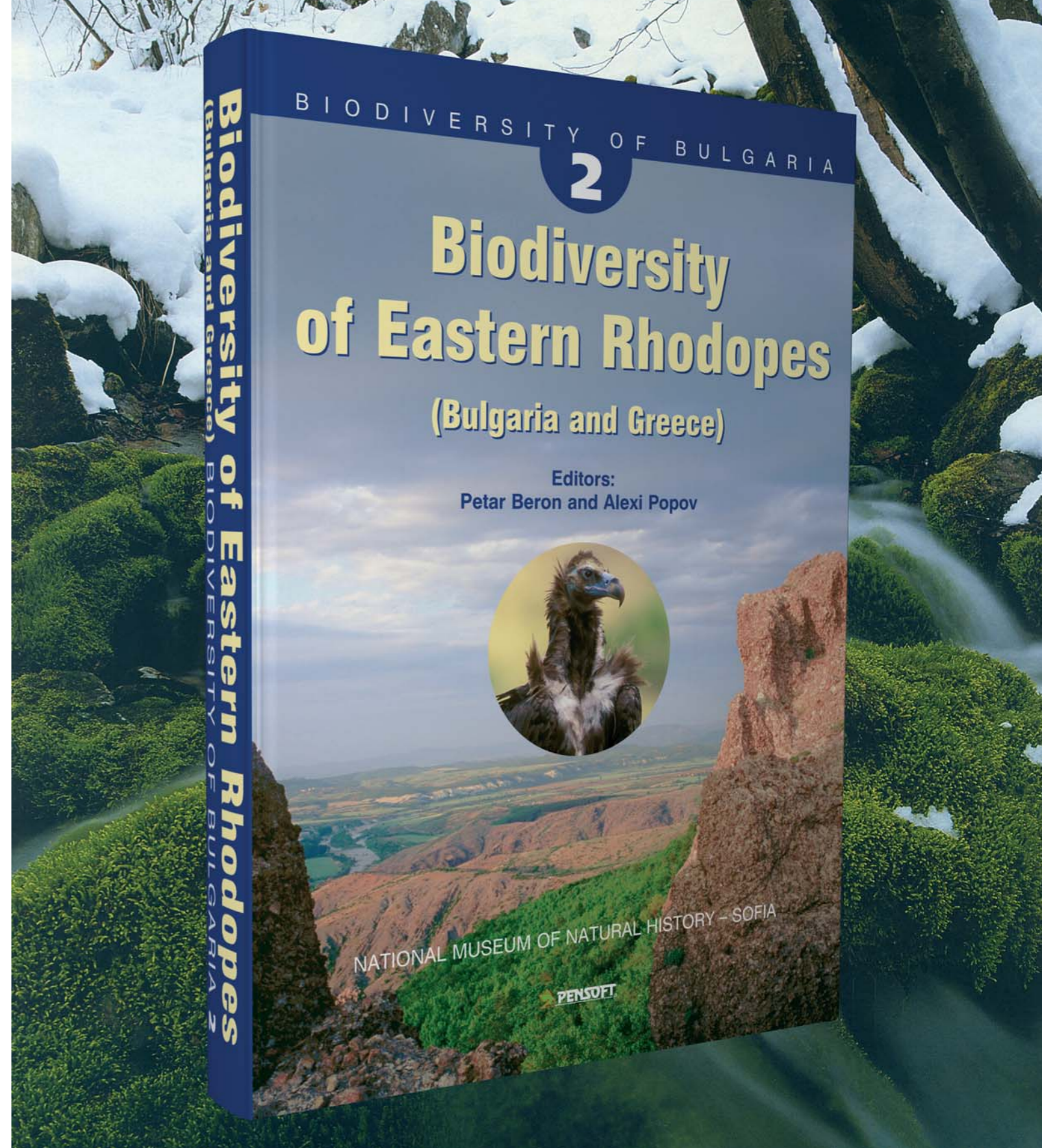
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2004. Beron, P., Popov, A. (Eds.) **Biodiversity of Eastern Rhodopes (Bulgaria and Greece).** Biodiversity of Bulgaria, vol. 2.
Pensoft Publishers, Sofia-Moscow
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ISBN 954-642-227-4
Pensoft Series 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.

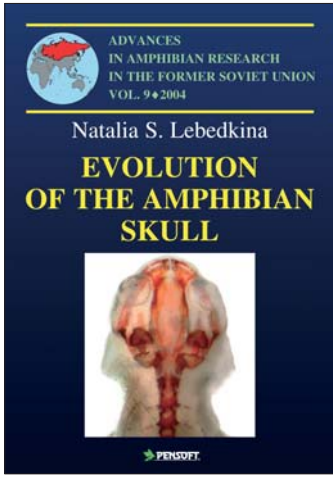
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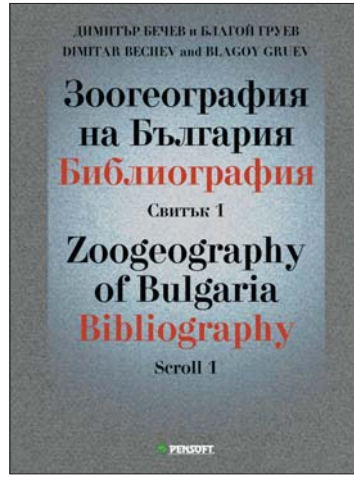
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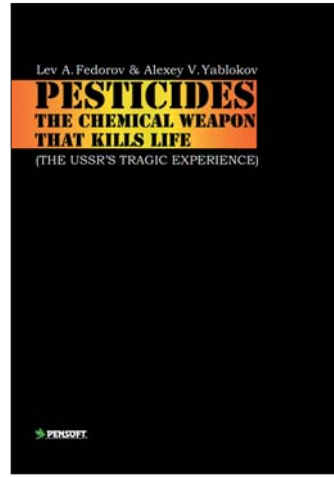
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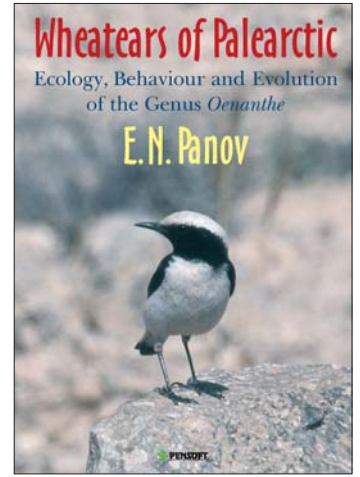
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