

## NEW PUBLICATIONS

ȘTEFAN NEGREA, ALEXANDRINA NEGREA, AUREL ARDELEAN

**Biodiversitatea în mediile subterane din România**  
(Biodiversity in the Subterranean Environments of Romania),

“Vasile Goldiș” University Press, Arad, 2004, 246 p., 56 figs., English abstract

The book is presented as an introduction to biology, ecology, conservation and protection of the terrestrial and aquatic subterranean environments followed by a short dictionary of terms. The book is structured in 8 chapters: 1. Short history of the Romanian biospeology; 2. Subterranean flora and fauna of Romania; 3. Methods for the collection and conservation of the subterranean fauna; 4. Karstic and biospeological regions of Romania; 5. Terrestrial and aquatic subterranean ecosystems of Romania; 6. Conservation of the subterranean ecosystems from Romania; 7. Influence of the speleic environment on humans; 8. Biodiversity in the subterranean environments according to the modern evolutionary theories.

As the authors themselves emphasize in the abstract: “*Presented within the framework of the current development of biospeology at a worldwide level, our work is a synthesis of the achievements of faunistic, ecological and biogeographical researches undertaken up to the present on the terrestrial and aquatic subterranean environments from Romania.*”

*Eugen Nitzu*

VASILE DECU, DUMITRU MURARIU, VICTOR GHEORGHIU

**Chiroptere din România,**

Ed. Art. Group Int. SRL, București, 2003, 521 p., 257 figs.

Resulting from the fruitful collaboration between two biospeologists and a mammalogist, the volume represents an important contribution to the knowledge of the bats from Romania, particularly useful mammals whose habitat is more and more affected by the anthropic influence.

Conceived as a practical guide, the volume can be used not only by the specialists but also by people interested in the bats ethology and in the ways to protect them.

Romania has 30 species of Microchiroptera with different habitat preferences which are only partially known at present as the colonies location still needs research.

*The first part* of the volume includes a short history of the researches made in Romania, underlining the identification of the species *Pipistrellus pygmaeus* only in 2000, using the ultrasound detector “Pettersson D 200”.

*The second part* contains general data on the Chiroptera: origin and evolution, morpho-anatomical and physiological characters (in relation with their flight adaptations, finding food, reproduction and hibernation diapause, etc.).

The authors analyse the general etho-ecological characteristics (circadian rhythm, shelter types, migrations, ecolocation, trophic specializations).

Trav. Inst. Spéol. «Émile Racovitza», t. XLIII–XLIV, p. 329–330, Bucarest, 2004–2005