

SOCIETAS EUROPAEA HERPETOLOGIACA



NATURAL
HISTORY
MUSEUM
OF CRETE
UNIVERSITY
OF CRETE



NATIONAL &
KAPODISTRIAN
UNIVERSITY
OF ATHENS
DEP. OF BIOLOGY

HERPETOLOGIA CANDIANA



edited by

P. Lymberakis, E. Valakos, P. Pafilis, M. Mylonas

IRAKLEIO 2001



SOCIETAS EUROPAEA HERPETOLOGICA

**NATURAL HISTORY MUSEUM OF CRETE
UNIVERSITY OF CRETE**



**NATIONAL & KAPODISTRIAN UNIVERSITY OF ATHENS DEP. OF BIOLOGY
SECTION OF ANIMAL & HUMAN PHYSIOLOGY**

HERPETOLOGIA CANDIANA

Edited by

Petros Lymberakis

University of Crete, Natural History Museum of Crete, P.O. Box 2208,
71409 Irakleio, Greece
e-mail: lyberis@nhmc.uoc.gr

Efstratios Valakos

University of Athens, Department of Biology, Section of Animal and Human Physiology,
Panepistimioupolis, Ilissia GR 157-71 Athens, Greece
e-mail: evalakos@biology.uoa.gr

Panagiotis Pafilis

University of Athens, Department of Biology, Section of Animal and Human Physiology,
Panepistimioupolis, Ilissia GR 157-71 Athens, Greece
e-mail: eadam@tee.gr

Moisis Mylonas

University of Crete, Natural History Museum of Crete, P.O. Box 2208,
71409 Irakleio, Greece
e-mail: director@nhmc.uoc.gr

IRAKLEIO 2001

CONTENTS

| | |
|---|---------|
| The Role of Phylogenetics in Evolutionary Ecology Eric Pianka | 1 - 20 |
| Bioacoustic studies in European anurans Hans Schneider | 21 - 32 |
| Status and conservation of the European leaf-toed gecko <i>Euleptes europaea</i> in NW Italy Andrea Allosia, Luca Braidà, Tania Braidà & Sebastiano Salvidio | 33- 38 |
| Sexual differences in geographic variation of some morphological characters in <i>Echis coloratus</i> (Viperidae, Ophidia) Gergely Babocsay | 39 - 42 |
| The amphibian cutaneous glands: some aspects of their structure and adaptive role R. Brizzi, G. Delfino, S. Jantra, B.B. Alvarez, D.M. Sever | 43 - 49 |
| Secretory granules with repetitive substructure in serous cutaneous glands of anurans G. Delfino, R. Brizzi, S. Jantra, B.B. Alvarez, D.M. Sever | 51 - 55 |
| Preliminary results on the feeding ecology of the African Chameleon <i>Chamaeleo africanus</i> Laurenti, 1768 from the southwestern Peloponnese, Greece. Dimaki M. H, Valakos E. D., Legakis A., Chondropoulos B. & Bonetti A. | 57 - 63 |
| Differences of growth in three relict populations of <i>Lacerta viridis</i> (Laurenti, 1768) Kerstin Elbing | 65 - 73 |
| Notes on color patterns, morphometric traits and taxonomic status of the neotropical arboreal lizard <i>Tropidurus (=Uracentron) azureum weneri</i> (Iguania: Tropiduridae). Ellinger N. , G. Schlatte & N. Jerome | 75 - 77 |
| Explosive breeding in five tropical anuran species Brigitte Gottsberger, Edith Gruber | 79 - 81 |
| Longevity and age at sexual maturity in <i>Rana latastei</i> (Amphibia, Anura) by skeletochronology Guarino F.M. & Mazzotti S. | 83 - 88 |

| | |
|--|-----------|
| Genetic structure of the <i>Triturus cristatus</i> superspecies in the Czech Republic Aleš Horák and Jaroslav Piálek | 89 - 92 |
| Morphometric data on triploid water frogs of the system <i>Rana epeirotica</i> and <i>Rana balcanica</i> in Greece Pasqualina Kyriakopoulou, Sklavounou and Eleni Vasara | 93 - 95 |
| On sustainable utilization of the leopard tortoise <i>Geochelone pardalis</i> in populations of eastern Africa: size frequency, latitude and ecology Michael R.K. Lambert | 97 - 105 |
| Morphological studies on grass snakes, <i>Natrix natrix</i> (L.) in a Hungarian population Nagy Zoltán T. & Korsós, Z. | 107 - 114 |
| The impact of climate on breeding activity and larval development in the common toad <i>Bufo bufo</i> C. J. Reading | 115 - 119 |
| Sexual dimorphism in italian wall lizard (<i>Podarcis sicula</i>) (Rafinesque-Schmaltz, 1810) Staša Tome | 121 - 125 |
| An isolated Adder (<i>Vipera berus</i>) population in Hungary Újvári B., Lazányi I., Farkas B., Korsós Z. | 127 - 135 |