

CONTENTS

ARTICLES

- 1 Cytogenetic variability among Bradyoporinae species (Orthoptera: Tettigoniidae) — E. WARCHAŁOWSKA-ŚLIVA, B. GRZYWACZ, A. MARYŃSKA-NADACHOWSKA, T.V. KARAMYSHEVA, D.P. CHOBANOV & K.-G. HELLER
- 13 Bioinformatics analysis on structural features of microRNA precursors in insects — J. LI, W. FAN, Z. YOU & B. ZHONG
- 21 Molecular cloning and characterization of the *S6K-p70* gene in Chinese honeybees, *Apis cerana cerana* (Hymenoptera: Apidae) — Y. CAI, T. AI, X. YU, B. XU & X. GUO
- 31 Developmental temperature, body size and male mating success in fruit flies, *Drosophila melanogaster* (Diptera: Drosophilidae) — S. PAVKOVIĆ-LUCIĆ & V. KEKIĆ
- 39 Expression of cytochrome P450 CYP6B6 in the different developmental stages of the insect *Helicoverpa armigera* (Lepidoptera: Noctuidae) — X. ZHANG, D. YUAN, L. DING, P. LI, F. LI & X. LIU
- 47 Gas exchange patterns in *Platynus assimilis* (Coleoptera: Carabidae): Respiratory failure induced by a pyrethroid — I. KIVIMÄGI, A. KUUSIK, A. PLOOMI, L. METSPALU, K. JÖGAR, I.H. WILLIAMS, I. SIBUL, K. HIIESAAR, A. LUUK & M. MÄND
- 55 Response of *Lymantria dispar* (Lepidoptera: Lymantriidae) larvae from differently adapted populations to allelochemical stress: Effects of tannic acid — M. MRDAKOVIĆ, V. PERIĆ MATARUGA, L. ILIJIN, M. VLAHOVIĆ, M. JANKOVIĆ TOMANIĆ, D. MIRČIĆ & J. LAZAREVIĆ
- 65 Stable isotopes reveal dietary divergence between dispersal phenotypes in *Tetrix subulata* pygmy grasshoppers (Orthoptera: Tetrigidae) — E. KARPESTAM & A. FORSMAN
- 71 Behavioural evidence for a putative oviposition-deterring pheromone in the butterfly, *Phengaris (Maculinea) telemioides* (Lepidoptera: Lycaenidae) — M. SIELEZNIEW & A.M. STANKIEWICZ-FIEDUREK
- 81 Influence of linear versus network corridors on the movement and dispersal of the bush-cricket *Metrioptera roeseli* (Orthoptera: Tettigoniidae) in an experimental landscape — A. ERIKSSON, M. LOW & Å. BERGGREN
- 87 Variation in male and female mating behaviour among different populations of the two-spot ladybird, *Adalia bipunctata* (Coleoptera: Coccinellidae) — P.R. HADDRILL, M.E.N. MAJERUS & D.M. SHUKER
- 95 Influence of photoperiod on the development of diapause in larvae and its cost for individuals of a univoltine population of *Dendrolimus punctatus* (Lepidoptera: Lasiocampidae) — J.-P. ZENG, Y. WANG & X.-P. LIU
- 103 Occurrence of arrhenotoky and thelytoky in a parasitic wasp *Venturia canescens* (Hymenoptera: Ichneumonidae): Effect of endosymbionts or existence of two distinct reproductive modes? — V. FORAY, H. HENRI, S. MARTINEZ, P. GIBERT & E. DESOUHANT
- 109 Temperature dependent functional response of *Diaeletiella rapae* (Hymenoptera: Aphidiidae) to the cabbage aphid, *Brevicoryne brassicae* (Hemiptera: Aphididae) — H.R.S. MOAYERI, H. MADADI, H. POURASKARI & A. ENKEGAARD
- 115 Do long- and short-winged adult females of the bug *Pyrrhocoris apterus* (Heteroptera: Pyrrhocoridae) differ in lifespan and reproductive capacity? — R. SOCHA
- 123 The ladybird beetle *Harmonia axyridis* (Coleoptera: Coccinellidae) as a possible predator of grape phylloxera *Daktulosphaira vitifoliae* (Hemiptera: Phylloxeridae) — S. KÖGEL, M. SCHIELER & C. HOFFMANN
- 129 The occurrence and preference of *Botanophila* flies (Diptera: Anthomyiidae) for particular species of *Epichloë* fungi infecting wild grasses — M. LEMBICZ, K. GÓRZYŃSKA, Z. OLSZANOWSKI, V. MICHELSEN & A. LEUCHTMANN
- 135 The effects of oviposition site on the development of the wood borer *Coraebus florentinus* (Coleoptera: Buprestidae) — A.M. CÁRDENAS & P. GALLARDO
- 145 How much care does a shrub-feeding hairstreak butterfly, *Satyrium spini* (Lepidoptera: Lycaenidae), need in calcareous grasslands? — F. LÖFFLER, G. STUHLDREHER & T. FARTMANN
- 153 Polyphagous predatory rove beetles (Coleoptera: Staphylinidae) induce winged morphs in the pea aphid *Acyrtosiphon pisum* (Hemiptera: Aphididae) — A. BALOG, M. MEHRPARVAR & W.W. WEISSE
- 159 Male mandible trimorphism in the stag beetle *Dorcus rectus* (Coleoptera: Lucanidae) — Y. IGUCHI
- 165 Life in two dimensions or keeping your head down: Lateral exuvial splits in leaf-mining larvae of *Pachyschelus* (Coleoptera: Buprestidae) and *Cameraria* (Lepidoptera: Gracillariidae) — V.V. GREBENNICKOV

NOTES

- 173 Biological and distributional overview of the genus *Eledonoprius* (Coleoptera: Tenebrionidae): Rare fungus-feeding beetles of European old-growth forests — G.M. CARPANETO, S. CIARI, P.A. AUDISIO, P. LEO, A. LIBERTO, N. JANSSON & A. ZAULI
- 177 Cost to the cavity-nest ant *Temnothorax crassispinus* (Hymenoptera: Formicidae) of overwintering aboveground — S. MITRUS

Book reviews.....	94, 164
Erratum.....	180