

CONTENTS

ARTICLES

- 353 A study of meiosis and spermiogenesis in the testicular lobes of *Antiteuchus tripterus* (Heteroptera: Pentatomidae) — H.V. DE SOUZA, H.E.M. DE CAMPOS BICUDO, L.A.A. COSTA & M.M. ITOYAMA
- 363 Molecular differentiation of the four most commonly occurring *Trichogramma* (Hymenoptera: Trichogrammatidae) species in China — Z.-X. LI
- 369 *bmpkci* is highly expressed in a resistant strain of silkworm (Lepidoptera: Bombycidae): Implication of its role in resistance to BmDNV-Z — K.-P. CHEN, H.-Q. CHEN, X.-D. TANG, Q. YAO, L.-L. WANG & X. HAN
- 377 Dispersal and reproductive responses of the water strider, *Aquarius paludum* (Hemiptera: Gerridae), to changing NaCl concentrations — M. KISHI, T. HARADA & K. FUJISAKI
- 385 Cold tolerance and trehalose accumulation in overwintering larvae of the codling moth, *Cydia pomonella* (Lepidoptera: Tortricidae) — A. KHANI, S. MOHARRAMIPOUR & M. BARZEGAR
- 393 Temporal effects of multiple mating on components of fitness in the two-spot ladybird, *Adalia bipunctata* (Coleoptera: Coccinellidae) — P.R. HADDRILL, D.M. SHUKER, S. MAYES & M.E.N. MAJERUS
- 399 Repellency of conspecific and heterospecific larval residues to *Hippodamia convergens* (Coleoptera: Coccinellidae) ovipositing on sorghum plants — J.P. MICHAUD & J.L. JYOTI
- 407 Life table parameters of the pseudococcid predators *Nephush includens* and *Nephush bisignatus* (Coleoptera: Coccinellidae) — D.C. KONTODIMAS, P.G. MILONAS, G.J. STATHAS, L.P. ECONOMOU & N.G. KAVALLIERATOS
- 417 Influence of different diets and oviposition substrates on *Lygus rugulipennis* biology (Heteroptera: Miridae) — G. SALERNO, F. FRATI, E. CONTI & F. BIN
- 425 Daily activity and flight behaviour of adults of *Capnodis tenebrionis* (Coleoptera: Buprestidae) — C.P. BONSIGNORE & C. BELLAMY
- 433 Differences in the development of the closely related myrmecophilous butterflies *Maculinea alcon* and *M. rebeli* (Lepidoptera: Lycaenidae) — M. SIELEZNIEW & A.M. STANKIEWICZ
- 445 The association between wing morphology and dispersal is sex-specific in the glanville fritillary butterfly *Melitaea cinxia* (Lepidoptera: Nymphalidae) — C.J. BREUKER, P.M. BRAKEFIELD & M. GIBBS
- 453 The development of sexual differences in body size in Odonata in relation to mating systems — M.A. SERRANO-MENESES, M. AZPILICUETA-AMORÍN, T. SZÉKELY & A. CÓRDOBA-AGUILAR
- 459 Sexual dimorphism and light/dark adaptation in the compound eyes of male and female *Acentria ephemerella* (Lepidoptera: Pyraloidea: Crambidae) — T.F.S. LAU, E.M. GROSS & V.B. MEYER-ROCHOW
- 471 *Myzocallis walshii* (Hemiptera: Sternorrhyncha: Aphididae), an exotic invasive aphid on *Quercus rubra*, the American red oak: Its bionomy in the Czech Republic — J. HAVELKA & P. STARÝ
- 479 The microspatial distribution of beetles (Coleoptera) on exposed riverine sediments (ERS) — A.J. BATES, J.P. SADLER, J.N. PERRY & A.P. FOWLES
- 489 Variation in dung beetle (Coleoptera: Scarabaeoidea) assemblages with altitude in the Bulgarian Rhodopes Mountains: A comparison — J.M. LOBO, E. CHEHLAROV & B. GUÉORGUIEV
- 497 Faunal patterns in Tuscan archipelago butterflies (Lepidoptera): The dominant influence is recent geography not paleogeography — L. DAPPORTO & A. CINI
- 505 Redescription of a weevil *Paramecops sinaitus* (Coleoptera: Curculionidae: Molytinae) from the Sinai and an ecological study of its interaction with the Sinai milkweed *Asclepias sainica* (Gentianales: Asclepiadaceae) — T. NEWBOLD, M. MEREGALLI, E. COLONNELLI, M. BARCLAY, S. ELBANNA, N. ABU FANDUD, F. FLEGG, R. FOUDAD, F. GILBERT, V. HALL, C. HANCOCK, M. ISMAIL, S. OSAMY, I. SABER, F. SEMIDA & S. ZALAT
- 517 Cladistic analysis of *Sericania* (Coleoptera: Scarabaeidae: Sericini) — implications for the evolution of the xerophilous fauna of the Himalaya — D. AHRENS
- 531 Revision of Iberian species of the genus *Merodon* (Diptera: Syrphidae) — M.A. MARCOS-GARCÍA, A. VUJIĆ & X. MENGAUÍL
- 573 *Lepidosina*, a new genus of New World Limosininae (Diptera: Sphaeroceridae) — S.A. MARSHALL, M. BUCK & O. LONSDALE
- 601 Phylogeny of European *Dolichopus* and *Gymnopternus* (Diptera: Dolichopodidae) and the significance of morphological characters inferred from molecular data — M.V. BERNASCONI, M. POLLET, M. VARINI-OOLIJEN & P.I. WARD
- 619 "Nymphes plissées" structure of the cuticle of juveniles of some oribatid mites (Acari: Oribatida) — J. SMRŽ

NOTES

- 631 Effect of temperature on some biological parameters of an Iranian population of the Rose Aphid, *Macrosiphum rosae* (Hemiptera: Aphididae) — M. MEHRPARVAR AND B. HATAMI
- 635 Transition from bamboo sap to water: Aquatic habits in the sap beetle *Amphicrossus japonicus* (Coleoptera: Cucujoidae: Nitidulidae) — D. KOVAC, J. JELÍNEK, R. HASHIM & D. WIWATWITAYA