

The effects of brood ester pheromone on foraging behaviour and colony growth in apicultural settings M. PESO, A.B. BARRON (Australia) .....	529
Risky robbing is a job for short-lived and infected worker honeybees K. KUSZEWSKA, M. WOYCIECHOWSKI (Poland) .....	537
Potential impacts of synergism in honeybees ( <i>Apis mellifera</i> ) of exposure to neonicotinoids and sprayed fungicides in crops H.M. THOMPSON, S.L. FRYDAY, S. HARKIN, S. MILNER (UK) .....	545
A scientific note on <i>Bombus (Psithyrus) insularis</i> invasions of bumblebee nests and honeybee hives in the western USA J.P. STRANGE, A. BAUR, J.B. KOCH (USA) .....	554
Age-mediated and environmentally mediated brain and behavior plasticity in the stingless bee <i>Melipona quadrifasciata anthidioides</i> H.V.V. TOMÉ, C.A. ROSI-DENADAI, J.F.N. PIMENTA, R.N.C. GUEDES, G.F. MARTINS (Brazil) .....	557
In vitro evaluation of sugar syrups, antibiotics, and miticides on growth of honey bee pathogen, <i>Ascosphaera apis</i> : Emphasis for chalkbrood prevention is on keeping bees healthy J.A. YODER, A.J. JAJACK, W.S. CORNACCHIONE, A.L. DUNN, E.G. CUNNINGHAM, C.L. MATCHETT, A.E. ROSSELOT (USA) .....	568
Spatial aggregation of phoretic mites on <i>Bombus atratus</i> and <i>Bombus opifex</i> (Hymenoptera: Apidae) in Argentina P. REVAINERA, M. LUCIA, A.H. ABRAHAMOVICH, M. MAGGI (Argentina) .....	579
Digestion of protein of two pollen types in China by the honeybee ( <i>Apis mellifera</i> L) Y. WANG, L.-T. MA, X.-B. HANG, W.-R. YANG, F. LIU, B.-H. XU (China) .....	590
Feulgen-DNA content and chromatin organization in the spermathecal glands of <i>Apis mellifera</i> (Hymenoptera, Apoidea) queens with aging L.M.C. PERES, J.R.P. FALCO, T.J. AGUIRRA, M.L.S. MELLO (Brazil) .....	601
<i>Apis mellifera</i> hemocytes generate increased amounts of nitric oxide in response to wounding/encapsulation P. NEGRI, S. QUINTANA, M. MAGGI, N. SZAWARSKI, L. LAMATTINA, M. EGUARA (Argentina) .....	610
Nutrition affects longevity and gene expression in honey bee ( <i>Apis mellifera</i> ) workers H. WANG, S.-W. ZHANG, Z.-J. ZENG, W.-Y. YAN (China, Australia) .....	618
Differential insecticide susceptibility of the Neotropical stingless bee <i>Melipona quadrifasciata</i> and the honey bee <i>Apis mellifera</i> M.C.L. DEL SARTO, E.E. OLIVEIRA, R.N.C. GUEDES, L.A.O. CAMPOS (Brazil) .....	626
A scientific note on amoeboid movement of honey bee semen A. TOFILSKI (Poland) .....	637
Deceiving colors: recognition of color morphs as separate species in orchid bees is not supported by molecular evidence B.R. FERRARI, G.A.R. MELO (Brazil) .....	641