

## Special Series of Articles

Molecular signatures of phenotypic and behavioral plasticity in bees K. HARTFELDER (Brazil).....	1
RNA-Seq reveals that mitochondrial genes and long non-coding RNAs may play important roles in the bivoltine generations of the non-social Neotropical bee <i>Tetrapedia diversipes</i> N.S. ARAUJO, P.K.F. SANTOS, M.C. ARIAS (Brazil).....	3
Behavioral and genetic mechanisms of social evolution: insights from incipiently and facultatively social bees W.A. SHELL, S.M. REHAN (USA) .....	13
Erratum to: Behavioral and genetic mechanisms of social evolution: insights from incipiently and facultatively social bees W.A. SHELL, S.M. REHAN (USA) .....	31
The ontogenetic saga of a social brain A.R. BARCHUK, G.D. DOS SANTOS, R. DIAS CANESCHI, D.E. DE PAULA JÚNIOR, L.M.R. MODA (Brazil).....	32
The ovary and its genes—developmental processes underlying the establishment and function of a highly divergent reproductive system in the female castes of the honey bee, <i>Apis mellifera</i> K. HARTFELDER, G.J. TIBERIO, D.C. LAGO, R.P. DALLACQUA, M.M.G. BITONDI (Brazil) .....	49
Circadian clock genes are differentially modulated during the daily cycles and chronological age in the social honeybee ( <i>Apis mellifera</i> ) F.C.P. ABREU, F.C.P. FREITAS, Z.L.P. SIMÕES (Brazil).....	71

---

## Regular Issue

Scientific note: molecular detection of pathogens in unhealthy colonies of <i>Apis mellifera jemenitica</i> N. HADDAD, M. AL-GHARAIBEH, A. NASHER, E. ANASWA, Y. ALAMMARI, L. HORTH (Jordan, Yemen, USA).....	84
A molecular epidemiological study of black queen cell virus in honeybees ( <i>Apis mellifera</i> ) of Turkey: the first genetic characterization and phylogenetic analysis of field viruses D. MUZ, M.N. MUZ (Turkey) .....	89
Contribution of honeybees to soybean yield D.C. BLETTLER, G.A. FAGÚNDEZ, O.P. CAVIGLIA (Argentina).....	101
From field to food—will pesticide-contaminated pollen diet lead to a contamination of royal jelly? F. BÖHME, G. BISCHOFF, C.P.W. ZEBITZ, P. ROSENKRANZ, K. WALLNER (Germany).....	112
Patrolling and scent-marking behavior in Japanese bumblebee <i>Bombus ardens ardens</i> males: alternative mating tactic? K.-I. HARANO, R. KUBO, M. ONO (Japan) .....	120
<i>Nosema ceranae</i> disease of the honey bee ( <i>Apis mellifera</i> ) M. GOBLIRSCH (USA) .....	131