

Molecular Insect Science

Contents and List of Contributors

- Chapter 1** **Molecular Evolution of Ultraspiracle Protein (USP/RXR) in Insects**
Ekaterina F. Hult, Stephen S. Tobe, Belinda S. W. Chang
- Chapter 2** **A Cytochrome P450 Conserved in Insects is Involved in Cuticle Formation**
Tamar Sztal, Henry Chung, Silke Berger, Peter D. Currie, Philip Batterham, Phillip J. Daborn
- Chapter 3** **Molecular Signatures in *Arabidopsis thaliana* in Response to Insect Attack and Bacterial Infection**
Pankaj Barah, Per Winge, Anna Kusnierczyk, Diem Hong Tran, Atle M. Bones
- Chapter 4** **Structures and Functions of Insect Arylalkylamine N-Acetyltransferase (Iaanat): A Key Enzyme for Physiological and Behavioral Switch in Arthropods**
Susumu Hiragaki, Takeshi Suzuki, Ahmed A. M. Mohamed and Makio Takeda
- Chapter 5** **Insect Prophenoloxidase: The View Beyond Immunity**
Anrui Lu, Qiaoli Zhang, Jie Zhang, Bing Yang, Kai Wu, Wei Xie, Yun-Xia Luan and Erjun Ling
- Chapter 6** **Toxins from *Lonomia obliqua*— Recombinant Production and Molecular Approach**
Ana Marisa Chudzinski-Tavassi, Miryam Paola Alvarez-Flores, Linda Christian Carrijo-Carvalho and Maria Esther Ricci-Silva
- Chapter 7** **Diversity in Protein Glycosylation Among Insect Species**
Gianni Vandenborre, Guy Smagghe, Bart Ghesquière, Gerben Menschaert, Rameshwaram Nagender Rao, Kris Gevaert, Els J. M. Van Damme
- Chapter 8** **A Molecular Phylogeny of the Chalcidoidea (Hymenoptera)**
James B. Munro, John M. Heraty, Roger A. Burks, David Hawks, Jason Mottern, Astrid Cruaud, Jean-Yves Rasplus, Petr Jansta

