Symposium title	Organizers
BIODIVERSITY AND CONSERVATION BIOLOGY	
Changes in insect communities, evidence and solutions	John Holland|Mike Green
Global change impacts on insect ecology, trophic interactions and diversity	Sevgan Subramanian|Sunday Ekesi|Henri Tonnang|Thomas Dubois|Tino Johansson
Monitoring freshwater biodiversity - taxonomy, systematics and biogeography of water beetles	Olof Biström|Helena Shaverdo
Conservation of ladybirds	Danny Haelewaters
Advances in hymenopteran biodiversity research and conservation | Part 1	Juho Paukkunen|Marko Mutanen
From the ground up: threats and solutions for ground-nesting bees	Ryan James Leonard|Alexandra Harmon-Threatt
Pollinators Conservation	Isabel Alves dos Santos|Marcelo Aizen
Advances in hymenopteran biodiversity research and conservation | Part 2	Juho Paukkunen|Marko Mutanen
Is urban conservation a panacea for insect biodiversity losses?	Mary M. Gardiner|Katherine Turo|Kayla I. Perry|Sarah Scott
Advances in hymenopteran biodiversity research and conservation | Part 3	Marko Mutanen|Juho Paukkunen
Conservation Action for Threatened Insects	Tara Murray|Tanya Latty|Axel Hochkirch
Palaeoentomology, Insects and Evolution	Jacek Szwedo|Dany Azar|Huang Diying|Chenyang Cai
International Society of Hymenopterists meeting | part 1	Natalie Dale-Skey
International Society of Hymenopterists meeting | part 2	Natalie Dale-Skey
BIOLOGICAL CONTROL AND INSECT PATHOLOGY | TRACK 1	
How to improve the efficiency of biological control agents?	Leo W Beukeboom|Eric Wajnberg
Essential and useless ecological knowledge for applied biological control	Joop van Lenteren|Tibor Bukovinszky
Proactive, Reactive and Accidental Biological Control of Invasive Species	Donald C. Weber|Ann Hajek|Kim A. Hoelmer
New strategies for augmentative biological control in greenhouse crops	Gerben Messelink
New insights on parasitoids and hyperparasitoids in terrestrial trophic networks	Paul Abram|Alejandro Tena|Saskya van Nouhuys
Models for Biological Control	Eizi Yano|Lia Hemerik
Using entomopathogenic nematodes and their bacteria for biocontrol: Latest advances and a look into the future	Selcuk Hazir|Heikki Hokkanen|David Shapiro-Ilan
Revisiting the biosafety of exotic generalist arthropod biological control agents	Debora Pires Paula|David Andow|Barbara I. P. Barratt|Joop van Lenteren|Vanda Bueno|Robert Pfannenstiel
Omnivorous predators in augmentative biological control: blessing or nightmare?	Vanda Bueno|Josep A. Jaques
A subterranean challenge - protecting crops from pestilent wireworms	Todd Kabaluk|Giselher Grabenweger
Egg parasitoids in Biological control: old solution for emerging problems	Ezio Peri|Stefano Colazza|Eric Wajnberg
Biological Control of Halyomorpha halys by its egg parasitoids: a worldwide perspective	Giuseppino Sabbatini Peverieri|Tim Haye|Kim A. Hoelmer

Ecological Implications of the recent huge increase in insect virus discovery	Elisabeth Herniou|Jenny Cory
Is It Time to Reconsider the IOBC Rating Scale Associated with the Effects of Pesticides on Beneficial Organisms?	Eric Rebek|Luis Canas|Raymond Cloyd
Challenges in biocontrol of aphids in a fundamental and applied context	J.G. van Boer|Tibor Bukovinszky
BIOLOGICAL CONTROL AND INSECT PATHOLOGY | TRACK 2	
Interplay between biological control and climate change	Joan van Baaren|Cécile Le Lann
RNAi as a topical application for biological control of social insects and other invertebrates	Ben Hoffmann|Antoine Felden
Biological Control of Fall Armyworm (Spodoptera frugiperda)	Allan Hruska|Dietrich Stephan
Microbial control in IPM strategies	Eustachio Tarasco
Landscape effects on functional traits of herbivores and natural enemies: consequences for biological control	Katja Poveda|Doug Landis
Benefits and Risks of Exotic Biological Control Agents	Olga Ameixa|Jana Collatz
Impacts of eco-evolutionary processes in biological control	Marianna Szucs|Ruth Hufbauer
Advances in ascoviruses: biological characteristics and potential to be biocontrol agents and expression vectors	Madoka Nakai|Guo-Hua Huang
Working towards an insecticide free orchard: European approach to top-down and bottom up processes in combination with agricultural biological control practices in the apple pest complex	Aude Alaphilippe|Lene Sigsgaard
Promoting biocontrol in small-holder agriculture	Geoff Gurr|Minsheng You|Liette Vasseur
Biological Control of Invasive Insect Pests: Critical Issues, Challenges, and Lessons Learned	Jian Duan|Mark Hoddle
Access and Benefit Sharing and Biological Control Genetic Resources	Peter Mason|Barbara I. P. Barratt
Classical biological control of weeds and arthropods: Evaluation of social, economic and ecological benefits | part 1	Mark Schwarzländer|Peter Mason
Classical biological control of weeds and arthropods: Evaluation of social, economic and ecological benefits | part 2	Mark Schwarzländer|Peter Mason
Why the age-stage, two-sex life table is important to achieving successful biological control programs | Part 1	Hsin Chi|Remzi Atlihan|Ali Güncan|Tetsuo Gotoh|Cecil Smith
Why the age-stage, two-sex life table is important to achieving successful biological control programs | Part 2	Hsin Chi|Remzi Atlihan|Ali Güncan|Tetsuo Gotoh|Cecil Smith
CURRENT SPECIAL AND FORWARD-LOOKING TOPICS | TRACK 1	
Global Networking in Entomology	Megha Parajulee|Mustapha El Bouhssini|Charles Vincent|ZEYAUR KHAN

Insect control technologies of the future	Philip Wege
Remote-sensing and Imaging Technologies for monitoring insects: Advances and achievements	Haikou Wang|Hongqiang Feng
Entomological Engineering: Electronic Interventions to Combat Insect Invasions	Barukh Rohde|Ilyas Potamitis|Richard Mankin|Valerio Mazzoni
Novel and next-generation technologies for pest control	Emily Remnant|Phil Lester
Sensing our way forward: Linking insect genes and behavior for a more sustainable tomorrow	Erin Scully|William Morrison
Epigenetic inheritance and insect evolution	Kenji Matsuura|Krishnendu Mukherjee
The big science of the smallest insects	Alexey Polilov|Rolf Beutel
A Global Outlook for Potato Insect Pests	Yulin Gao|Wenwu Zhou
Expanding integrated pest management strategies for vegetables in the tropics: Challenges and opportunities	Sevgan Subramanian|Srinivasan Ramasamy
Subjective Experience in Insects	Eirik SÃ¸vik|Daniel Friedman
Bees for Development (B4D)	Michael Lattorff|Guy Smagghe|Paul Cross
#SciComm for scientists who work with insects | part 1	Danny Haelewaters|Esther Ngumbi
#SciComm for scientists who work with insects | part 2	Danny Haelewaters|Esther Ngumbi
CURRENT SPECIAL AND FORWARD-LOOKING TOPICS | TRACK 2	
Towards diversity and gender equity in entomology: why we care, what we are doing, and what we can do	Lina Aguirre Rojas|Sarah Zukoff
Trade-offs and life history consequences in insects	Abel Bernadou|Mark Harrison|Jürgen Heinze|Judith Korb
Biological controllers and the international trade of vegetables and fresh products	Luz Paola Velasquez Grisales|Edison Torrado|Fredy Alexander Rodriguez
Contribution of Anopheles nili vector in malaria transmission of Northern Benin,West Africa.	wilfrid sewade|Martin AKOGBETO
Fruit fly invasion a global phenomenon of major importance	Nikos T. Papadopoulos|Marc De Meyer|John S. Terblanche
Codling moth - chemical and molecular ecology meets population genetics	Pierre Franck|Peter Witzgall|Alberto Maria Cattaneo
Advances in Aedes vector surveillance for dengue control: Challenges in a changing climate	Hans J Overgaard|Michael J. Bangs
Using ecological and molecular knowledge to understand the yellow fever mosquito, Aedes aegypti, and its relationship to pathogens	Donald Yee|Jonas King
New technologies for global vector control	Erica Lindroth|Gabriela Zollner
Natures Revenge - Enduring Challenges of Vector-Borne Diseases, Research, and Control Strategies in the United States	Ary Faraji|Lee Cohnstaedt
IPM Packages for Tropical Crops	Rangaswamy Muniappan|Malick Ba|Tadele Tefera
Photonic Monitoring of Insects	Mikkel Brydegaard, Benjamin Thomas

DOMESTICATED INSECTS AND INSECT REARING	
Insects as bio-converters	Christian Zurbrügg|Santos Rojo
Insects as pharma	Victor Benno Meyer-Rochow|Andreas Vilcinskas
Insects reared in biological control	Tom Groot|Markus Knapp
Insect Genetics in Rearing	Jesper Sörensen|Kim Jensen
Principles and procedures for rearing beneficial and other economically important arthropods	Sunday Ekesi|John Schneider
Sterile Insect Technique: Application and methods	Sunday Ekesi|Kostas Bourtzis
Diseases and pests in insect rearing	Sunday Ekesi|Chrysantus M. Tanga|Komivi Akutse
Sericulture	Yongping Huang|Qingyou Xia
Western honey bee conservation	Paolo Fontana|Cecilia Costa|Gennaro Di Prisco
Advancements in honey bees feeding	Daniele Alberoni
Enhancement of managed bee pollination efficiency and their interaction with the surrounding environment.	Daniele Alberoni
Functional genomics of the silkworms: Basic and applied aspects	Toru Shimada|Muwang Li
Data-driven apiculture	Mariusz Kacprzak|Daniele Alberoni
Insect as human food and animal feed	Arnold van Huis|Dennis G.A.B Oonincx
ECOLOGY, EVOLUTION AND BEHAVIOUR | TRACK 1	
Niche construction in insects	Shigeto Dobata|Ryusuke Fujisawa
Hormones and behavior in insects: mediation and potential disruption	Marléne Goubault|Charlotte Lécureuil|David Siaussat
The evolutionary ecology of regular inbreeding in insects, spiders and mites	Lawrence Kirkendall|Laura Ross
Ecology and Evolution of Insect Colouration in Anti-predator Defence | part 1	Johanna Mappes|Swanne Gordon|Ossi Nokelainen
Rethinking the evolutionary consequences of the Cretaceous Terrestrial Revolution	Tommi Nyman|Saskia Wutke|Craig Michell
Role of Epigenetics in Eusocial Insects	Paul Hurd
Ecology and Evolution of Insect Colouration in Anti-predator Defence | part 2	Johanna Mappes|Swanne Gordon|Ossi Nokelainen
Evolution of Social Immunity	Erik Frank|Laurent Keller|Nick Bos|Dalial Freitak
Biology and Evolution of Social Insect Symbionts	Christoph von Beeren|Joseph Parker
Aging and longevity of social insects	Eisuke Tasaki|Mamoru Takata|Kenji Matsuura
Selective pressures that have shaped the evolution of communication	James Nieh|Anna Dornhaus
Life history trait evolution in host-parasitoids interactions: acquisition and loss of traits following disturbances	Joan van Baaren|Cécile Le Lann
The evolution of social immune defences	Dalial Freitak|Nick Bos
Evolution and ecology of gall-inducing arthropods and their associates	Makoto Tokuda|Man-Miao Yang|György Csoka

The evolution of insect-virus associations	Dino McMahon|Vera Ros
Adaptation to Agroecosystems	Yolanda Chen|Leena Lindström|Sean Schoville
Gall communities on roses - global investigations of the genus Diplolepis and its associated communities	Zoltán László|Chris Looney
ECOLOGY, EVOLUTION AND BEHAVIOUR | TRACK 2	
Advances in the fields of vison and behavioural ecology for Thysanoptera	Mette Nielsen|David Teulon|Rainer Meyhoefer
Nutritional dimensions in insect ecology and evolution	Hassan Salem|Tobin Hammer|Hassan Salem
Physiological responses to environmental stress	Jonathan Shik|Katie Marshall
The Cognitive Ecology of Pollination	Anne Leonard|F Muth
Semiochemicals as drivers for the evolution of behavior in flies	Paul Becher|Sebastian Lebreton
Insects in space: the mechanistic basis of goal-oriented movements and navigational performance	Natalie Hempel de Ibarra|Paul Graham|Basil el Jundi
From insect behaviour to spatial distributions: The resource concentration hypothesis revisited	Peter Hambäck|Nicholas Mills
Insect migration research takes wing	Jason Chapman|Kristjan Niitepöld|Robert Dudley
Spatial population and community dynamics during climate change	Saskya van Nouhuys|Aapo Kahilainen|Kristjan Niitepöld|Ayco Tack
Complex food webs for a complex planet â€“ Novel approaches to answer the fundamental question, who eats whom?	Micky Eubanks|MacKenzie Kjeldgaard
Recent advances on large-scale ecological gradients and plant- insect herbivore interaction	Sergio Rasmann|Kailen Mooney|Xoaqua-n Moreira
Bottom-up and top-down impacts in insect food webs, the effect of global change	Shannon Murphy|Gina Wimp|Mayra Vidal
Global change and population ecology	Anu Valtonen|Matthew P. Ayres
Interspecific analysis of evolutionary patterns	Robert Davis
Polyneoptera for our Planet	Bert Foquet|Derek Woller|Hojun Song
How parasites manipulate behavior in their insect hosts.	Frederic Libersat|Shelly Adamo
ECOSYSTEM SERVICES	
Temporal trends in pollinator communities	Joanne Bennett|Leana Zoller
Cropping Systems Approach to Sustainable Cotton Production: Integration of Ecological Methods	Megha Parajulee|K. Murugan
Recent global trends in pollinator health	Priyadarshini Chakrabarti|Ramesh Sagili|Barbara Smith
Dung beetles and the use of veterinary pharmaceuticals; an investigation into anti-parasitic treatments in two forest ecosystems (DJELFA, ALGERIA).	Sabrina Amraoui

FOOD CHAIN ENTOMOLOGY	
Pest invasions post-establishment: understanding range expansion and mitigating impact to protected plants	Michael Brewer|Kristopher Giles
IPM Tools in the context of invasive species	Thomas Miller|Frank Zalom
Leveraging genomics and biotechnology for integrated pest management to address challenges of global food security	Joanna Chiu
Recent Advances in the Optical Control of Insect Pests and Beneficials	Irene Vanninen|Masami Shimoda
Global Perspectives on Field-Evolved Resistance to Transgenic Bt Crops	Bruce Tabashnik|Yves Carriere|Jeffrey Fabrick|Yidong Wu
Next generation of insect resistant crops: New Traits, Old Paradigms	Mark Nelson|William Moar
Watching resistance: proactive gene identification, diagnosis and risk assessment of field-evolved resistance	Tomohisa Fujii|Masaaki Sudo
Advances in biology and ecology of Drosophila suzukii: a global threat to fruit production	Ashfaq Sial|Hannah Burrack|Michelle Fountain|Claudio Ioriatti|Rufus Isaacs|Vaughn Walton
Lessons learned from international experience managing Drosophila suzukii: protecting the global fruit supply	Ashfaq Sial|Hannah Burrack|Michelle Fountain|Claudio Ioriatti|Rufus Isaacs|Vaughn Walton
Management of the tomato russet mite, Aculops lycopersyci	Cristina Castaño|Enric Vila|Nuria Agusti|Judit Arnó
True bugs (Heteroptera: Pentatomidae) pests in the neotropics: advances on research.	Antonio Ricardo Panizzi|JOCELIA GRAZIA GRAZIA
10th International Symposium on Chrysomelidae (s.l.) | part 1	Caroline Chaboo|Michael Schmitt
10th International Symposium on Chrysomelidae (s.l.) | part 2	Caroline Chaboo|Michael Schmitt
FOREST AND URBAN LANDSCAPE ENTOMOLOGY	
Novel approaches to managing forest insect pests	Jessica Hartshorn|Kayla I. Perry|Rachel Arango
Ecology and Management of Conifer Bark Beetles in North America and Europe	Christopher Fettig|Horst Delb
Exploiting host-location behaviors and host-plant resistance to manage invasive woodborers	Donnie L. Peterson|Todd D. Johnson
Population biology of winter moth, Operophtera brumata L, and related geometrids on two continents	Joseph Elkinton|Jeremy Andersen
Can forests take the heat: Biotic and abiotic threats from urbanization and climate change	Steven Frank|Clifford Sadof
Outbreak ecology of the eastern spruce budworm: New lessons from the ongoing epidemic in eastern Canada	Deepa Pureswaran|Robert Johns
Recent advances in bark beetle (Scolytinae) ecology and management	Eckehard Brockerhoff|Lawrence Kirkendall|Richard Hofstetter
Processionary moths: a model for future forest and urban insect management	Andrea Battisti|Carole Kerdelhué
Genomic tools for biomonitoring of insects	Carlos Lopez Vaamonde|Michael Monaghan
Eucalyptus pests: a growing concern for forest plantations and urban trees	Manuela Branco|Timothy Paine

Diapause, voltinism and life-cycle regulation of forest insects	Martin Schebeck|Philipp Lehmann|Barbara Bentz
Developments in the detection and management of insect pests in forests	Brett Hurley|Jeremy Allison|Bernard Slippers
Invasive ambrosia beetles: ecology, symbiosis, behaviour and management	Davide Rassati|Christopher Ranger|Peter Biedermann
Recent advances in detection and surveillance of emerging non-native forest insects	Alain Roques|Jocelyn G. Millar|Jon Sweeney
Progress towards detecting and managing the spotted lanternfly, Lycorma delicatula, (Hemiptera: Fulgoridae), an emerging worldwide threat to orchards, urban landscapes, and forests.	Juli Gould|Xiao-yi Wang
INSECT AND MICROBIAL MOLECULAR BIOLOGY	
Viral sequences integrated into insect genomes and how they benefit their hosts	Jean-Michel Drezen|Michael R. Strand
Evolution of Chemosensory Receptors in Diptera - Phylogenetic and Structure/Function Relationships	William Walker|Julien Pelletier
Biological functions of transposons in insect physiology, disease and evolution	Maria Carla Saleh|Kevin Maringer
Reproductive parasitism	John Beckmann|Toshiyuki Harumoto
Insect Immune Mediators and Their Cross-talks	Yonggyun Kim|Salvador Herrero|Patricia Pietrantonio
Convergence in the evolution of obligatory blood feeding behavior	Yuval Gottlieb|Olivier Duron
Advances in the vector-plant pathogen interactions: one step further to disrupt transmission	Xiao-Wei Wang|Cecilia Tamborindeguy
RNA interference in insect-virus interactions	Sassan Asgari|Jinzhi Niu
Symbiotic cells, tissues, organs and structures across insects: development and maintenance of insect-microbe interactions.	Yu Matsuura|Stefan Kuechler
Hemiptera Auchenorrhyncha as vectors of plant pathogens and interactions with their symbionts	Sofia Seabra|Michael Wilson|Thierry Bourgoin
INTERACTIONS AND COMMUNICATION BETWEEN TROPHIC LEVELS	
Plant-insect-microbe interactions: are outcomes predictable?	Ayco Tack|Arjen Biere|Alison Bennett
Ecological consequence of suppression and induction of plant defences	Yasuyuki Choh|Arne Janssen
Volatile-mediated interactions in a changing world	James Blande|Robbie Girling
Ecology and evolution of insect eggs and their interactions with plants	Nina Fatouros|Anke Steppuhn
Chemical Ecology of Belowground Plant-Herbivore Interactions	Christelle Robert|Jared Ali
The role of endosymbionts in insect's and plant's ecological interactions	Vartika Mathur|Paolina Garbeva
Understanding multitrophic interactions via chemical communications for safer pest managements	Kazuhiko Matsuda|Ke Dong
Multitrophic Interactions within Natural Microcosms: Patterns and Processes	Renee Borges|Radhika Venkatesan
Rethinking invertebrate food webs in agricultural landscapes: a global endeavor	Stéphane Boyer|Jason Schmidt

Beyond pairwise interactions: new research topics and methods for community wide impact of interactions	Kinuyo Yoneya|Shunsuke Utsumi
Interactions and communication between trophic levels in pollination	Shoko Sakai|Tomoko Okamoto
Self-medication in insects	Michael Lattorff|Silvio Erler
Chemical Ecology and Reverse Chemical Ecology | part 1	Wei Xu|Zainulabeuddin Syed
Chemical Ecology and Reverse Chemical Ecology | part 2	Wei Xu|Zainulabeuddin Syed
INVASIVE SPECIES AND REGULATORY ENTOMOLOGY	
Alien insects in forests: from invasiveness to invasibility	Herve Jactel|Massimo Faccoli|Dimitrios Avtzis
Socioeconomic Drivers of Global Insect Invasions	Cleo Bertelsmeier|Andrew Liebhold
Predicting New Pest Introductions: tools and strategies	Godshen Pallipparambil|Karl Suiter|Jagdish Jaba|Yulu Xia
Japanese beetle, Popillia japonica, a new biosecurity risk for Europe and beyond	Giselher Grabenweger|David Held
Advances towards developing innovative tools and approaches for sustainable management of fall armyworm (Spodoptera frugiperda)	Ivan Rwomushana|Marc Kenis
Tuta absoluta: Potential for Novel IPM	Aziz Ajlan|M. Jamal Hajjar|J. R. Faleiro|Khalid Alhudaib|Jawwad Qureshi
Tuta absoluta - Monitoring its Spread and Management	Rangaswamy Muniappan|Abhijin Adiga
Increasing Threat of Alien Invasive Species: Implication on Food & Nutritional Security	Samira Mohamed|Susan Halbert
Challenges from Invasive Whiteflies	Alvin Simmons|Cindy McKenzie
Citizen science and alien insects	Peter M.J. Brown|Helen E. Roy
The Road to Recovery following the Brown Marmorated Stink Bug Invasion: Rebuilding IPM Programs	James Walgenbach|Tracy Leskey
Colorado potato beetle: Invasion and spread across three continents	David Hawthorne|Xubin Pan
Bridging the Current Technology Gaps: A Global Challenge for the Effective Management of Red Palm Weevil	Aziz Ajlan|Khalid Alhudaib|J. R. Faleiro|Shoki Al-Dobai|Abdulaziz Mohamed|Muhammad Haseeb
MEDICAL, VETERINARY AND PLANT VECTOR BIOLOGY	
Vector biology: Interactions between insect vectors and plant pathogens	Feng Cui|Murad Ghanim
Integrative approaches in sensory physiology and host-seeking behavior in ticks of medical importance	Jory Brinkerhoff|Andrew Li
Tsetse and Trypanosomiasis Control in the Disease Elimination Context	Daniel Masiga|Alvaro Acosta Serrano|Geoffrey Attardo
Tungiasis in Africa: a highly neglected insect-borne disease with growing importance in resource poor communities	Ulrike Fillinger|Juergen Kruecken
Culicoides biting midges as vectors of pathogens	Simon Carpenter|Claire Garros
Plants and Blood feeding Insects: innovative research strategies for disease control	Gunter Muller|David P Tchouassi|Baldwyn Torto

Vector-Pathogens interactions	Eva Veronesi|Anna-Bella Failloux
Adaptations to the haematophagous way of life, an integrative perspective	Claudio Lazzari|Marcelo Lorenzo
Advances in Global Research and Development of Insect Repellents	Mustapha Debboun|Agenor Mafra-Neto
Push-pull strategies for the control of mosquito-borne diseases	Alexandra Hiscox|Ulrike Fillinger
The evidence base for vector control: a race against time?	Hilary Ranson|Thomas Churcher
Challenging and exploring for management of Aedes aegypti and Aedes albopictus	Rui-De Xue|Tong-Yan Zhao
Forensic Entomology in theory and practice	Jens Amendt|Martin Villet
Biting Flies and Agriculture	David Taylor|David Cook
Aedes Invasive Mosquitoes, a worldwide perspective.	Filiz Gunay|Miguel Angel Miranda
MORPHOLOGY, SYSTEMATICS, GENETICS AND GENOMICS	
Phasmatodea and Related Insects Symposium	Thies Büscher|Matan Shelomi
Systematics and taxonomy of Calyptratae | Part 1	Juan Manuel Perilla Lopez|Arianna Thomas Cabianca|Eliana Buenaventura
Recent advances in Hemipteran Genomics	Allison Hansen|Kerry Mauck|Marco Gebiola
Systematics and taxonomy of Calyptratae | Part 2	Juan Manuel Perilla Lopez|Arianna Thomas Cabianca|Eliana Buenaventura
Quantitative phenotyping of insects: morphometrics and beyond	Vincent Debat|Kazuo Takahashi|Haruki Tatsuta
Evolutionary history of Lepidoptera: from fossils to genomes	Jadranka Rota|Pasi Sihvonen|Niklas Wahlberg
Hymenopteran big data in the age of phylogenomics: the potentials and pitfalls	Matthew Buffington|John Heraty
Phylogenomics and beyond: evolution of hemipteroid insects	Christiane Weirauch|Kevin Johnson
True hoppers (Fulgoromorpha and Cicadomorpha): new interpretations of old lineages	Yalin Zhang|Jacek Szwedo|Thierry Bourgoin
Advances in Diptera phylogenetics and phylogenomics	Gunilla Ståhls-Mäkelä|Jeffrey Skevington
Systematics, biogeography, and ecology of Cerambycidae and Buprestidae and friends	Eugenio Nearns|Annie Ray
Predation: from morphology and biomechanics to ecology and evolution	Sebastian Büsse
Functional morphology and biomechanics of motion	Stanislav Gorb|Sebastian Büsse|Richard Bomphrey|Service Administration
Recent advances in the study of Bibionomorpha (Diptera)	Bjoern Rulik|Olavi Kurina|Jostein Kjaerandsen
Mechanisms and evolution of sex determination and reproductive modes | part 1	Leo W Beukeboom|Daniel Bopp
Insect genome biology in the era of rapidly advancing technologies	Maria Sharakhova|Robert Waterhouse
Biodiversity of the apterygote hexapods: a global assessment	Markus Koch|Thomas Hörnschemeyer
Mechanisms and evolution of sex determination and reproductive modes | part 2	Leo W Beukeboom|Daniel Bopp
PHYSIOLOGY AND DEVELOPMENTAL BIOLOGY	
Spatio-temporal adaptations in insect life cycle and behavior; the mechanisms and ecological implications	Makio TAKEDA|Teiji Sota
Insect environmental physiology in a changing world	Pablo Schilman|Steven Chown
Diapause, Dormancy, and Seasonal Adaptation	Dan Hahn|Gregory Ragland|Shin Goto|Karl Gotthard

Circadian clock system in insects: their mechanisms and physiological roles	Kenji Tomioka|Elzbieta Pyza
Physiological and molecular determinants shaping plasticity in insect reproduction and longevity	Klaus Hartfelder|Carolina Santos
Recent progress in the understanding of molecular mechanisms of xenobiotic resistance and detoxification	Ralf Nauen|Thomas Van Leeuwen|John Vontas
Ion channels: a matter of life and death in insects	Jia Huang|Yoshihisa Ozoe
Insect immune interactions	Michael R. Strand|Francesco Pennacchio
Insect nutrition: selected solutions for challenging diets	Heiko Vogel|Spencer Behmer|Gregory Sword
Taste variation and its role in insect ecology	Anupama Dahanukar|Frederic Marion-Poll
Insect vibratory communication: from behaviour to physiology and application	Raul Laumann|Andrej Cokl
Pheromone detection mechanisms in the peripheral olfactory system of insects	Chen-Zhu Wang|Jürgen Krieger
Neurobiology of Insect Olfaction	Silke Sachse|Markus Knaden
Experience-dependent changes in insect sensory circuits	Fernando Locatelli|Wolfgang Rässler
Behavioral manipulation of human disease vectors: current research and perspectives	Marcelo Lorenzo|Claudio Lazzari
Neuropeptide regulation of insect behaviors	Young Joon Kim|Dusan Zitnan
Insect hormone action	Lynn M. Riddiford, Marek Jindra