

Poster #	
P001	<b>Chemical constraint of solitary bees in host-plant specialization</b> <b>VANDERPLANCK M<sup>1</sup></b> , PINCZEWSKI A <sup>1</sup> , WATHELET B <sup>2</sup> , WATTIEZ R <sup>3</sup> , LOGNAY G <sup>4</sup> , MICHEZ D <sup>1</sup>
P002	<b>Chemotaxonomical relationships within the <i>Ceratitis</i> FAR complex (<i>C. fasciventris</i>, <i>C. anonae</i> and <i>C. rosa</i>) based on pheromone analysis</b> <b>BŘIZOVÁ R<sup>1,2</sup></b> , VANÍČKOVÁ L <sup>1,2</sup> , KALINOVÁ B <sup>1*</sup> , FATAROVÁ M <sup>3</sup> AND HOSKOVEC M <sup>1</sup>
P003	<b>Facultative social parasites in paper wasps overcome host detection by overmarking</b> <b>LORENZI M-C<sup>1</sup></b> , COSTANZI E <sup>1</sup> , CHRISTIDES J-P <sup>2</sup> , BAGNERES A-G <sup>2</sup>
P004	<b>In the search of a sexual contact pheromone in the haematophagous bug <i>Rhodnius prolixus</i> (Heteroptera, Reduviidae)</b> <b>LORENZO-FIGUEIRAS A<sup>1</sup></b> ; GONZÁLEZ A <sup>2</sup> , MANRIQUE G <sup>1</sup>
P005	<b>Chemical signature overtime and aggressive behavior of two termite species in contact with alien hydrocarbons</b> LEFLOCH L, <b>BAGNERES A-G</b> , CHRISTIDES J-P, DUPONT S, LUCAS C
P006	<b>Filling dynamics of the Brindley's glands of the haematophagous bug <i>Triatoma infestans</i> (Hemiptera, Reduviidae) and associated behavioural responses</b> <b>PALOTTINI F<sup>1</sup></b> , GONZÁLEZ A <sup>2</sup> , MANRIQUE G <sup>1</sup>
P007	<b>Phenotypic plasticity in <i>Phratora vulgatissima</i>: the willow species affects odour of beetles and beetle orientation to host plant cues</b> <b>AUSTEL N<sup>1</sup></b> , BJÖRKMANN C <sup>2</sup> , REINECKE A <sup>3</sup> , HILKER M <sup>1</sup> , MEINERS T <sup>1</sup>
P008	<b>Response of female Melon fly, <i>Bactrocera cucurbitae</i> (Diptera, Tephritidae) to volatiles of different cucurbit host plants</b> <b>ATIAMA-NURBEL T<sup>1</sup></b> , BOULY K <sup>1</sup> , BOYER E <sup>2</sup> , BIALECKI A <sup>2</sup> , DEGUINE J-P <sup>1</sup> , QUILICI S <sup>1</sup>
P009	<b>Growth responses in the lepidopteran herbivore <i>Pieris brassicae</i> fed with black mustard plant (<i>Brassica nigra</i>) fumigated with ozone of varying concentration</b> <b>KHALING E</b> , POELMAN EH, HOLOPAINEN J, BLANDE J.
P010	<b>Foliar monoterpene emission profiles in cork oak infested by <i>Cerambyx welensii</i> Küster (Coleoptera: Cerambycidae)</b> <b>SÁNCHEZ-OSORIO I</b> , DOMÍNGUEZ L, LÓPEZ-PANTOJA G, TAPIAS R, PAREJA E.
P011	<b>Interspecific hybridization of <i>Eucalyptus</i> spp. as a source of behaviorally active compounds and their enantioselectivity against <i>Aedes albopictus</i></b> <b>NASPI CV<sup>1</sup></b> , GONZÁLEZ-AUDINO PA <sup>1,2</sup> , <b>MASUH HM<sup>1,2</sup></b>
P012	<b>Evaluation of plant volatile compounds as feeding attractants for <i>Aedes aegypti</i>.</b> OPPEN S, MASUH H, LICASTRO S, ZERBA E, <b>GONZALEZ AUDINO P</b>
P013	<b>Fall and beet armyworm differentially affect emissions of maize volatiles</b> <b>DE LANGE ES<sup>1,2</sup></b> , ERB M <sup>1,3</sup> , TON J <sup>4</sup> , AND TURLINGSTCJ <sup>1</sup>
P014	<b>Terpene accumulation in <i>Picea abies</i> is negatively correlated to colonization of <i>Ips typographus</i></b>

	<b>ZHAO T<sup>1</sup>, KROKENE P<sup>2</sup>, HU J<sup>1</sup>, CHRISTIANSEN E<sup>2</sup>, BJÖRKLUND N<sup>3</sup>, LÅNGSTRÖM B<sup>3</sup>, SOLHEIM H<sup>2</sup>, BORG-KARLSON A-K<sup>1</sup></b>
P015	<b>Fertilization and defoliation effects on tolerance, induced resistance to <i>Ormiscodes</i> sp. (Lep. Saturniidae), and foliar chemistry in two southern beech species (<i>Nothofagus alpina</i> and <i>N. obliqua</i>)</b> <b>CHORBADJIAN RA</b>
P016	<b>The effect of the <i>Oryzophagous oryzae</i> (Costa Lima) (Coleoptera; Curculionidae) herbivory on the chemical profile released by rice plants</b> <b>BLASSIOLI-MORAES MC<sup>1</sup>, BORGES M<sup>1</sup>, LAUMANN RA<sup>1</sup>, MARTINS JFDAS, MATTOS MLT<sup>2</sup></b>
P017	<b>Influence of naturally occurring plant activator in the searching behaviour of the egg parasitoid <i>Telenomus podisi</i></b> <b>MICHEREFF MFF, BORGES M, LAUMANN RA, BLASSIOLI-MORAES MC</b>
P018	<b>Herbivory induced defenses mediate specific interaction in the tri-trophic system soybean - stink bugs (Pentatomidae) - egg parasitoids (Scelionidae)</b> <b>SILVA LOPES AP<sup>1</sup>, REZENDE DINIZ I<sup>2</sup>, BLASSIOLI-MORAES MC<sup>1</sup>, BORGES M<sup>1</sup>, ALBERTO LAUMANN R<sup>1</sup></b>
P019	<b>Semiochemicals from herbivory induced cotton plants influencing the foraging behaviour of the cotton boll weevil</b> <b>BORGES M<sup>1</sup>, MAGALHÃES D<sup>1</sup>, LAUMANN RA<sup>1</sup> AND BLASSIOLI-MORAES MC<sup>1</sup></b>
P020	<b>Enhanced phenolic acid contents in pest infested castor bean, <i>Ricinus communis</i> plants</b> <b>PATHIPATI USHA RANI, PRATYUSHA SAMBANGI</b>
P021	<b>Selenium contamination affects honey bee feeding, behavior, and survival</b> <b>HLADUN K, TRUMBLE J</b>
P022	<b>Locally distinct volatile emission from herbivore-damaged poplar and its implication for indirect tree defense</b> <b>UNSICKER S.B., MCCORMICK AC, IRMISCH S, BOECKLER GA, VEIT D, GERSHENZON J, KÖLLNER TG</b>
P023	<b>Host-plant volatiles attract adult females of the black-banded oak borer <i>Coroebus florentinus</i> (Coleoptera: Buprestidae): Electrophysiological and behavioral responses</b> <b>QUERO C<sup>1</sup>, ROSELL G<sup>2</sup>, GUERRERO A<sup>1</sup>, FÜRSTENAU B<sup>1</sup></b>
P024	<b>Chemoecological interactions between two varieties of the purple willow <i>Salix purpurea</i> L. and its pest <i>Pontania vesicator</i> (Hymenoptera, Tenthredinidae)</b>

	<b>APŠEGAITĒ V<sup>1</sup>, RADŽIUTĒ S<sup>1</sup>, PUKĒNAS S<sup>2</sup>, BŪDA V<sup>1,2</sup></b>
P025	<b>Scots pine volatiles emitted by needles following <i>Diprion pini</i> L. larval or mechanical damage</b> <b>KAZLAUSKAS T<sup>1,2</sup>, APŠEGAITĒ V<sup>1</sup>, BŪDA V<sup>1,2</sup></b>
P026	<b>Evolutionary patterns of male secondary sexual characters in <i>Mycalesina</i> butterflies</b> <b>BRATTSTRÖM O<sup>1</sup>, WANG H-L<sup>2</sup>, KODANDARAMAIAH U<sup>1</sup>, ADUSE-POKU K<sup>1</sup>, LÖFSTEDT C<sup>2</sup>, BRAKEFIELD P<sup>1</sup></b>
P027	<b>Tracking down the divergence of fatty acid derived components of bumblebee marking pheromones</b> <b>BUCEK A<sup>1*</sup>, PRCHALOVA D<sup>1</sup>, MATOUSKOVÁ P<sup>1</sup>, VOGEL H<sup>2</sup>, VALTEROVÁ I<sup>1</sup>, PICOVÁ I<sup>1</sup></b>
P028	<b>Cuckoo versus predatory <i>Maculinea</i> butterfly species: distinct chemical integration strategies inside the host ant colonies</b> <b>CASACCI LP<sup>1</sup>, BONELLI S<sup>1</sup>, BALLETO E<sup>1</sup></b>
P029	<b>Chemotaxonomical relationships within the <i>Ceratitis</i> FAR complex (<i>C. fasciventris</i>, <i>C. anonae</i> and <i>C. rosa</i>) based on cuticular hydrocarbons analysis</b> <b>BŘÍZOVÁ R<sup>1,2</sup>, VANÍČKOVÁ L<sup>1,2</sup>, KALINOVÁ B<sup>1*</sup>, FAŘAROVÁ M<sup>3</sup>, HOSKOVEC M<sup>1</sup></b>
P030	<b>Identification and synthesis of polar cuticular compounds from the ant <i>Leptogenys distinguenda</i> implicated in myrmecophily</b> <b>KIEFER J<sup>1</sup>, SCHWEINFEST D<sup>2</sup>, WITTE V<sup>2</sup>, SCHULZ S<sup>1</sup></b>
P031	<b>Can “Cry wolf” stabilize symbiotic relations?</b> <b>SAKAI M, SUZUKI Y</b>
P032	<b>Fertility signals in the species complex <i>Pachycondyla apicalis</i> (Hymenoptera, Formicidae): proximate and evolutionary implications</b> <b>FICHAUX M, YAGOUND B, LEROY C, FRESNEAU D, POTEAUX C, CHALINE N, SAVARIT F</b>
P033	<b>Floral scent profiles and pollinator host specificity in a narrow hybrid zone of two Joshua tree varieties.</b> <b>SVENSSON GP<sup>1</sup>, SMITH CI<sup>2</sup>, TONINATO B<sup>2</sup>, RAGUSO RA<sup>3</sup></b>
P034	<b>Decarboxylation in the polyene production and PBAN-regulated transportation in the Winter Moth, <i>Operophtera brumata</i></b> <b>HONG-LEI WANG<sup>1</sup>, CHENG-HUA ZHAO<sup>2</sup>, SZÖCS G<sup>3</sup>, SCHULZ S<sup>4</sup>, LÖFSTEDT C<sup>1</sup></b>

P035	<p><b>A new multi-dimensional GC-MS system (MD-GC-MS) aimed to facilitate the identification of complex mixtures including chiral volatiles in plant-insect-microbe interactions</b></p> <p>LUNDBORG L, AZEEM M, AXELSSON K, ZHAOT, <b>BORG-KARLSON A-K</b></p>
P036	<p><b>Chemical reactions in Norway spruce (<i>Picea abies</i>) caused by natural infection of <i>Heterobasidion annosum</i></b></p> <p><b>KUSUMOTO N<sup>1,2,4</sup>, SHIBUTANI S<sup>1</sup>, ASHITANI T<sup>2</sup>, TAKAHASHI K<sup>2</sup>, SWEDJEMARK G<sup>3</sup>, BORG-KARLSON AK<sup>4,5</sup></b></p>
P037	<p><b>Sustainable green styrene from forest wastes</b></p> <p><b>AZEEM M<sup>1</sup>, KUTTUVA RAJARAO G<sup>2</sup>, KAZUHIRO NAGAHAMA<sup>1</sup>, NORDENHEM H<sup>3</sup>, NORDLANDER G<sup>3</sup> AND BORG-KARLSON A-K<sup>1,4*</sup></b></p>
P038	<p><b>Bioactivities of branch heartwood extracts of <i>Chamaecyparis obtusa</i></b></p> <p><b>MORIKAWA T<sup>1</sup>, ASHITANI T<sup>2</sup>, TAKAHASHI K<sup>2</sup>,</b></p>
P039	<p><b>Stereoselective synthesis of lilac alcohols and aldehydes</b></p> <p><b>ANDERSONE A<sup>1</sup>, VARES L<sup>1</sup>, BORG-KARLSON A-K<sup>1,2</sup>, LIBLIKAS I<sup>1</sup></b></p>
P040	<p><b>Stereoselective synthesis of lilac alcohols</b></p> <p><b>VISNAPUU M<sup>1</sup>, VARES L<sup>1</sup>, BORG-KARLSON A-K<sup>1,2</sup>, LIBLIKAS I<sup>1</sup></b></p>
P041	<p><b>Thujopsene and its autoxidation products as plant self-defensive compound</b></p> <p>ONO T<sup>1</sup>, <b>ASHITANI T<sup>1</sup>, KUSUMOTO N<sup>1</sup>, TAKAHASHI K<sup>1</sup></b></p>
P042	<p><b>Biosynthesis of leucine-derived nitrile in the evening primrose, <i>Oenothera</i> sp. (Onagraceae) by insect-feeding</b></p> <p><b>NOGE K<sup>1</sup>, ABE M<sup>1</sup>, TAMOGAMI S<sup>1</sup></b></p>
P043	<p><b>Purification and cDNA cloning of a phloem lectin-like anti-insect defense protein BPLP from the phloem exudate of wax gourd, <i>Benincasa hispida</i></b></p> <p>OTA E, NAKAMURA M, HIRAYAMA C, <b>KONNO K</b></p>
P044	<p><b>The biosynthetic pathway of cerbinal in <i>Gardenia jasminoides</i></b></p> <p><b>NAITO H, ABOSHI T, YOSHINAGA N, NISHIDA R, MORI N</b></p>
P045	<p><b><i>N</i>-Linolenoyl-L-glutamic acid known as a plant volatile elicitor, found in five true crickets (Orthoptera: Gryllidae)</b></p> <p>SUGIOKA H<sup>1</sup>, ABOSHI T<sup>1</sup>, YOSHINAGA N<sup>1</sup>, YOSHIDA T<sup>1</sup>, FUKUI M<sup>1</sup>, TAKEDA M<sup>2</sup>, NISHIDA R<sup>1</sup>, <b>MORI N<sup>1</sup></b></p>
P046	<p><b>Biogenesis of (<i>E</i>)-1-Nitropentadec-1-ene in Soldiers of the Termite Genus <i>Prorhinotermes</i></b></p>

	<b>JIROŠOVÁ A<sup>1</sup>, JIROŠ P<sup>1</sup>, ŠOBOTNÍK J<sup>1</sup>, TYKVA R<sup>1</sup>, VAŠÍČKOVÁ S<sup>1</sup> AND HANUS R<sup>1,2</sup></b>
P047	<b>Sex pheromone of Strepsiptera</b> <b>JIROŠ P<sup>1</sup>, CVAČKA J<sup>1</sup>, ČERNÁ K<sup>2</sup>, KRASULOVÁ J<sup>1</sup>, STRAKA J<sup>2</sup>, ŠOBOTNÍK J<sup>1</sup></b>
P048	<b>Determination of lipolytic enzymes in labial gland of males <i>Bombus terrestris</i></b> <b>BRABCOVÁ J<sup>1,2</sup>, DEMIANOVA Z<sup>1</sup>, ZAREVÚCKA M<sup>1</sup>, VALTEROVÁ I<sup>1</sup></b>
P049	<b>Biosynthesis of terpenic compounds in marking pheromone blend of <i>Bombus terrestris</i></b> <b>PRCHALOVÁ D<sup>1,2</sup>, ŽÁČEK P<sup>1,3</sup>, VALTEROVÁ I<sup>1</sup>, PICHOVÁ I<sup>1</sup></b>
P050	<b>Development of semiochemicals slow-release formulations as biological control devices</b> <b>HEUSKIN S<sup>1</sup>, LORGE S<sup>1</sup>, LEROY P<sup>2</sup>, VERHEGGEN FJ<sup>2</sup>, WATHELET J-P<sup>3</sup>, HAUBRUGE E<sup>2</sup>, LOGNAY G<sup>1</sup></b>
P051	<b>Timing of male sex pheromone biosynthesis in a butterfly – different dynamics under direct or diapause development</b> <b>MURTAZINA R, LARSDOTTER-MELLSTRÖM H, WIKLUND C, BORG-KARLSON A-K</b>
P052	<b>Identification and synthesis of possible contact pheromones of <i>Arhopalus fesus</i>, the burnt pine longhorn beetle</b> <b>TWIDLE A<sup>1</sup>, BERGSTRÖM M<sup>2</sup>, UNELIUS R<sup>1,2</sup></b>
P053	<b>Nematode dispersal is regulated by an evolutionary conserved nematode communication system</b> <b>KAPLAN F<sup>1</sup>, ALBORN HT<sup>1</sup>, VON REUSS SH<sup>2</sup>, SCHROEDER FC<sup>2</sup>, TEAL PEA<sup>1</sup></b>
P054	<b>Ammonia production by intestinal microbes in the large pine weevil (<i>Hylobius abietis</i>)</b> <b>NAGAHAMA K<sup>1</sup>, MATSUOKA M<sup>1</sup>, AZEEM M<sup>2</sup>, KUTTUVA RAJARAO G<sup>3</sup>, TERENIUS O<sup>4</sup>, NORDENHEM H<sup>4</sup>, NORDLANDER G<sup>4</sup>, BORG-KARLSON A-K<sup>2</sup></b>
P055	<b>Methyl salicylate producing microbes from <i>Hylobius abietis</i> frass</b> <b>AZEEM M<sup>1</sup>, KUTTUVA RAJARAO G<sup>2</sup>, NORIN E<sup>1</sup>, NAGAHAMA K<sup>1</sup>, NORDENHEM H<sup>3</sup>, NORDLANDER G<sup>3</sup>, BORG-KARLSON A-K<sup>1,4*</sup></b>
P056	<b>Identification of VOCs released by <i>Burkholderia ambifaria</i> and their effects on plants, fungi and bacteria</b> <b>GROENHAGEN U<sup>1</sup>, BAUMGARTNER R<sup>2</sup>, WEISSKOPF L<sup>2</sup>, RIEDEL K<sup>3</sup>, SCHULZ S<sup>1</sup></b>

P057	<p><b>Myrcene-resistant bacteria isolated from the gut of the phytophagous insect <i>Ips typographus</i> L.</b></p> <p><b>SKRODENYTĖ-ARBAČIAUSKIENĖ V<sup>1</sup>, RADŽIUTĖ S<sup>1</sup>, STUNŽĖNAS S<sup>1</sup>, BŪDA V<sup>1,2</sup></b></p>
P058	<p><b>“Diagnosing” disease by smell: the symbiotic harlequin crab is able to chemically detect if its sea cucumber host is infected by skin ulceration disease</b></p> <p><b>CAULIER G; FLAMMANG P, EECKHAUT I</b></p>
P059	<p><b>When a repellent becomes an attractant: antifeedant quinones are the potential kairomones that maintain the symbiosis between the snapping shrimp <i>Synalpheus stimpsoni</i> and their crinoid hosts</b></p> <p><b>CAULIER G, FLAMMANG P, EECKHAUT I</b></p>
P060	<p><b>Oviposition habitat selection by <i>Anopheles gambiae</i> in response to chemical cues by <i>Notonecta maculata</i></b></p> <p><b>MARKMAN S<sup>1</sup>, WARBURG A<sup>2</sup>, FAIMAN R<sup>2</sup>, SHTERN A<sup>2</sup>, SILBERBUSH A<sup>3</sup>, COHEN JE<sup>4</sup>, BLAUSTEIN L<sup>3</sup></b></p>
P061	<p><b>Antifungal activities of coniferous bark components on the genus <i>Saprolegnia</i></b></p> <p><b>SAIJO H<sup>1</sup>, KUSUMOTO N<sup>2</sup>, ASHITANI T<sup>1,2</sup>, TAKAHASHI K<sup>1,2</sup></b></p>
P062	<p><b>Molecular analysis of the bacteria-diatom association in <i>Phaeodactylum tricornutum</i></b></p> <p><b>SCHULZE B, BUHMANN M, WINDLER M, FRICKEY T, KROTH PG</b></p>
P063	<p><b>Effects of allelopathically active macrophyte <i>Myriophyllum spicatum</i> on natural phytoplanktonic community – a mesocosm approach</b></p> <p><b>ŠVANYS A<sup>1,2</sup>, PAŠKAUSKAS R<sup>1,3</sup></b></p>
P064	<p><b>Seed germination inhibition by hogweed <i>Heracleum sosnowskyi</i></b></p> <p><b>BALEŽENTIENĖ L</b></p>
P065	<p><b>Isolation and identification of an allelopathic compound in the invasive plant Sosnovskyi hogweed, <i>Heracleum sosnowskyi</i></b></p> <p><b>BURLĖGAITĖ G<sup>1</sup>, BUTKIENĖ R<sup>2</sup>, BŪDA V<sup>1,2</sup></b></p>
P066	<p><b>Flexible aggregative behavior of <i>Harmonia axyridis</i> according to the freshness of area marking in overwintering sites</b></p> <p><b>DURIEUX D, FISCHER C<sup>1</sup>, FASSOTTE B, BROSTAU X Y, LOGNAY G, HAUBRUGE E, VERHEGGEN F</b></p>
P067	<p><b>Volatile chemicals of adults and nymphs of the <i>Eucalyptus</i> pest, <i>Thaumastocoris peregrinus</i> (Heteroptera: Thaumastocoridae)</b></p> <p><b>MARTINS CBC<sup>1</sup>, SOLDI RA<sup>1</sup>, BARBOSA LR<sup>2</sup>, ALDRICH JR<sup>3</sup>, ZARBIN</b></p>

	PHG <sup>1</sup>
P068	<p><b>Differences in cuticular component composition as an identification key for two economically important Liriomyza species</b></p> <p><b>RADŽIUTĖ S<sup>1</sup>, BUTKIENĖ R<sup>1,2</sup>, BŪDA V<sup>1,3</sup></b></p>
P069	<p><b>Impact of <i>Myzus persicae</i> infestation on the volatile emission of <i>Arabidopsis thaliana</i> Col-0</b></p> <p><b>TRUONG TDHIEN<sup>1,2</sup>, DELAPLACE P<sup>3</sup>, FRANCIS F<sup>4</sup>, LOGNAY G<sup>1</sup></b></p>
P070	<p><b>Are there optimal strategies for finding an odor plume? Lessons from moths</b></p> <p><b>CARDÉ RT<sup>1</sup>, CARDÉ AM<sup>1</sup>, GIRLING RD<sup>2</sup></b></p>
P071	<p><b>Ergography: A novel method for analyzing and understanding temporal working patterns of prolific chemical ecologists</b></p> <p><b>HUMMEL HE<sup>1,2</sup>, SCHMID SS<sup>1</sup>, SANGUANPONG U<sup>3</sup></b></p>
P072	<p><b>Fifty years of pheromone science</b></p> <p><b>HUMMEL HE<sup>1,2</sup>, KAISLING K-E<sup>3</sup>, HECKER E<sup>4</sup></b></p>
P073	<p><b>From Justus Liebig Style Combustion Analytics to BioFET Biosensors: A quantum leap of technical refinement, with consequences for chemical ecology</b></p> <p><b>HUMMEL HE<sup>1,2</sup></b></p>
P074	<p><b>Sensitive micromethods for quantifying insect pheromones emitted from various dispenser materials in the low nanogram range: a blessing for chemical ecology</b></p> <p><b>HUMMEL HE<sup>1,2</sup>, BÜHLING I<sup>1</sup>, HEIN DF<sup>1</sup>, LEITHOLD G<sup>1</sup>, BREUER M<sup>3</sup>, GREINER A<sup>4</sup>, DERSCH R<sup>4</sup>, VILCINSKAS A<sup>5</sup></b></p>
P075	<p><b>Organic nanofibers: a newly developing paradigm in pheromone dispenser technology</b></p> <p><b>HUMMEL HE<sup>1,2</sup>, HEIN DF<sup>1</sup>, BÜHLING I<sup>1</sup>, LEITHOLD G<sup>1</sup>, BREUER M<sup>3</sup>, GREINER A<sup>4</sup>, DERSCH R<sup>4</sup></b></p>
P076	<p><b>Could mating disruption border treatments and barriers protect stone fruit blocks from invasion of oriental fruit moth <i>Grapholita molesta</i> Busck. (Lepidoptera, Tortricidae)?</b></p> <p><b>IL'ICHEV A</b></p>
P077	<p><b>Evidence of a female produced pheromone in a cetoniiin chafer, <i>Epicometis hirta</i> (Coleoptera, Scarabaeidae)</b></p> <p><b>IMREI Z<sup>1</sup>, VUTS J<sup>1,2</sup>, WOODCOCK CM<sup>2</sup>, BIRKETT MA<sup>2</sup>, PICKETT JA<sup>2</sup>, TÓTH M<sup>1</sup></b></p>
P078	<p><b>Traps baited with pear ester and acetic acid attracting both sexes of the green budworm moth, <i>Hedya nubiferana</i> (Lepidoptera:</b></p>

	<p><b>Tortricidae)</b></p> <p><b>JÓSVAI JK<sup>1</sup>, KOCZOR S<sup>1</sup>, TÓTH M<sup>1</sup></b></p>
P079	<p><b>Plant compounds modify behaviours of both <i>Frankliniella occidentalis</i> adults and larvae</b></p> <p><b>KOSCHIER EH<sup>1</sup>, PENEDER S<sup>1</sup>, EGGER B<sup>1</sup></b></p>
P080	<p><b>Behavioural and chemical correlates of reproductive hierarchies in the queenless ant <i>Dinoponera gigantea</i> (Formicidae, Ponerinae)</b></p> <p><b>LEROY C, SAVARIT F, FRESNEAU D, CHÂLINE N</b></p>
P081	<p><b>The cost of vengeance: Herbivore-attack improves resistance and reduces fitness of regrowing shoots</b></p> <p><b>MACHADO R<sup>1</sup>, BALDWIN IT<sup>1,2</sup>, ERB M<sup>1,2</sup></b></p>
P082	<p><b>Behavioral studies with oviposition pheromone in <i>Culex</i> mosquitoes and study of the OBP1 gene expression in adult males and females</b></p> <p><b>MICHAELAKIS A, FYTROU A, BONELIS N, MILONAS PG, PAPACHRISTOS DP, GIATROPOULOS A, KOLIOPOULOS G</b></p>
P083	<p><b>(E)-<math>\beta</math>-caryophyllene as pheromone synergists for red palm weevil (RPW) <i>Rhynchophorus ferrugineus</i> (Olivier) (Coleoptera: Curculionidae)</b></p> <p><b>ORTIZ A<sup>1</sup>, HIDALGO F<sup>1</sup>, GÓMEZ S<sup>2</sup> AND FERRY M<sup>1</sup></b></p>
P084	<p><b>Assessment of synthetic chemicals for disruption of <i>Rhynchophorus ferrugineus</i> attraction</b></p> <p>SALVATORE GUARINO,<sup>1</sup> EZIO PERI,<sup>1</sup> PAOLO LO BUE,<sup>1</sup> PIA GERMANÀ M,<sup>1</sup> COLAZZA S,<sup>1</sup> ANSHELEVICH L,<sup>2</sup> LITOVSKY A<sup>2</sup>, SHAY BARKAN<sup>2</sup>, <b>SOROKER V<sup>2</sup></b></p>
P085	<p><b>Electrical activity and sensory adaptation of the antennae of <i>Blattella germanica</i> in response to the insect repellent DEET</b></p> <p>SFARA V, <b>GONZÁLEZ AUDINO P</b>, MOUGABURE CUETO G</p>
P086	<p><b>Employing floral baited color traps for detection and seasonal monitoring of scarab pests (Coleoptera: Scarabaeoidea) in Bulgaria</b></p> <p><b>SUBCHEV MS<sup>1</sup>, TOSHOVA TB<sup>1</sup>, ANDREEV RA<sup>2</sup>, PETROVA VD<sup>3</sup>, MANEVA VD<sup>4</sup>, SPASOVA TS<sup>5</sup>, MARINOVA NT<sup>5</sup>, VELCHEV DI<sup>6</sup></b></p>
P087	<p><b>(8E,10Z)-8,10-Dodecadienal: a mimetic of the sex pheromone of the horse chestnut leafminer, (<i>Cameraria ohridella</i>) (Lepidoptera, Gracillariidae), or a possible new minor component?</b></p> <p><b>SZŐCS G<sup>1</sup>, LAKATOS A<sup>1</sup>, MOLNÁR B<sup>1</sup>, UJVÁRY I<sup>2</sup></b></p>
P088	<p><b>Progress in development of an optimal combination of lure and trap design for the grey corn weevil, <i>Tanymecus (Episomecus) dilaticollis</i> Gyllenhal, 1834 (Curculionidae)</b></p>



	TOSHOVA TB <sup>1</sup> , VELCHEV DI <sup>2</sup> , <b>ABAEV VD</b> <sup>1</sup> , SUBCHEV MA <sup>1</sup> , TÓTH M <sup>3</sup> , DEWHIRST SY <sup>4</sup> BIRKETT MA <sup>4</sup> , WOODCOCK CM <sup>4</sup>
P089	<b>Identification and synthesis of compound found in <i>Kladothrips</i> extract</b>  WALLIN E <sup>1</sup> , HEDENSTRÖM E <sup>1</sup> , DE FACCI M <sup>2</sup> , ANDERBRANT O <sup>2</sup>
P090	<b>Honey bees smell explosives</b>  BLAŽYTĚ-ČEREŠKIENĚ L <sup>1</sup> , KRIUKELIS V <sup>2</sup> , BŪDA V <sup>1,2</sup>
P091	<b>Laser vibrometer for precision recording of substrate borne acoustic signals</b>  EL-SAYED AM
P092	<b>Attraction of female flathead oak borers <i>Coroebus undatus</i> (Coleoptera: Buprestidae) to semiochemical-baited traps</b>  FÜRSTENAU B <sup>1</sup> , QUERO C <sup>1</sup> , ROSELL G <sup>2</sup> , GUERRERO A <sup>1</sup>
P093	<b>Seasonal variation of phenolic compounds in black poplar (<i>Populus nigra</i>)</b>  BOECKLER GA <sup>1</sup> , GERSHENZON J <sup>1</sup> , UNSICKER SB <sup>1</sup>