

Poster Program

A. Aquatic ecosystems

P-001	Different chemical cues inducing predator-avoidance behavior in two anuran tadpoles	T. Takahara Kyoto Inst. of Technol. (Japan)
P-002 A2-5	Effects of chemical cues from damaged conspecifics and heterospecifics on the clumping behaviour and byssus production in the green-lipped mussel, <i>Perna viridis</i>	F. Y. Yang City Univ. of Hong Kong (Hong Kong)
P-003 A2-1	Antifouling compounds against barnacle larvae from the red algae <i>Laurencia</i> spp.	T. Okino Hokkaido Univ. (Japan)
P-004	A possible symbiotic relationship through norzanthamine	T. Genji Univ. of Tokyo (Japan)
P-005	Induction of sea cucumber (<i>Stichopus japonicus</i>) larval metamorphosis by neurotransmitters	H. Matsuura Hokkaido Univ. (Japan)
P-006	How induce morphological changes of zooplankton by diel vertical migration of <i>Chaoborus</i> larva ?	M. Nagano Aichi Inst. of Technol. (Japan)
P-007 A2-3	Natural inducers for coral larval metamorphosis	M. Kitamura Nagoya Univ. (Japan)
P-008 A2-4	Okadaic acid binding proteins from the sponge <i>Halichondria okadai</i>	K. Konoki Osaka Univ. (Japan)
P-009	The effects of artificial reefs on nutrient dynamics in seabed sediments	H. Y. Wai City Univ. of Hong Kong (Hong Kong)
P-010 A2-2	Synthesis and identification of an endogenous sperm activating and attracting factor from ascidian <i>Ciona intestinalis</i>	H. Tsuchikawa Kwansei Gakuin Univ. (Japan)
P-011	The fatty acid composition of the Pacific copepods compared with those of the Atlantic ones	H. Saito Natl. Res. Inst. of Fisheries Sci. (Japan)
P-012	Influence of environment on the fatty acids in Pacific oyster (<i>Crassostrea gigas</i>), thriving both the Pacific and the Atlantic Oceans	H. Saito Natl. Res. Inst. of Fisheries Sci. (Japan)

B. Plant allelochemicals

P-013	<i>cis</i> -Cinnamoyl glucosides—Major plant growth inhibitors contained in <i>Spiraea thunbergii</i> and <i>Spiraea prunifolia</i>	S. Hiradate Natl. Inst. for Agro-Environ. Sci. (NIAES) (Japan)
P-014	Isolation and identification of a plant growth inhibitor in Akagi (<i>Bischofla javanica</i>)	H. Yamaya Natl. Inst. for Agro-Environ. Sci. (Japan)
P-015 A5-5	Momilactone A and B uptake by <i>Arabidopsis thaliana</i> and their growth inhibitory effects	H. Kujime Kagawa Univ. (Japan)

: This poster is selected for oral presentation (Poster Workshops)

P-016 A5-6	Allelopathic potential of <i>Hypnum plumaeforme</i> L. and its allelopathic substances	K. Kobayashi Kagawa Univ. (Japan)
P-017	Screening of volatile allelopathic activity of alien plants by dish pack method and isolation of isothiocyanate compounds as allelochemicals	M. Sugano Natl. Inst. for Agro-Environ. Sci. (Japan)
P-018	Plant-growth-inhibitory activities of catecholic allelochemicals as effects by soils	A. Furubayashi Natl. Inst. for Agro-Environ. Sci. (NIAES) (Japan)
P-019	Allelopathic potential of itchgrass (<i>Rottboellia exaltata</i> L. f.) in soil	D. Itaya Univ. of Tsukuba (Japan)
P-020	Effects of soils on plant-growth-inhibitory activities of L-mimosine, juglone, and coumarin	K. Ohse Natl. Inst. for Agro-Environ. Sci. (Japan)
P-021	Effects of soil chemical properties on kudzu growth	S. Morita Natl. Inst. for Agro-Environ. Sci. (NIAES) (Japan)
P-022 A5-1	2'-Epi-orobanchol and solanacol, germination stimulants for root parasitic weeds, produced by tobacco	X. Xie Utsunomiya Univ. (Japan)
P-023	Isolation and identification of alectrol as (+)-orobanchyl acetate, a novel germination stimulant for root parasitic plants	Koichi Yoneyama Utsunomiya Univ. (Japan)
P-024 A5-2	Production of strigolactone, host recognition signals for root parasitic weeds and AM fungi, and nutrient acquisition strategy of plants	Kaori Yoneyama Utsunomiya Univ. (Japan)
P-025 A5-3	Characterization of strigolactones, host recognition signals for arbuscular mycorrhizal fungi and root parasitic plants, produced by pea	Y. Harada Utsunomiya Univ. (Japan)
P-026 A5-4	Inhibitory activities of allelochemicals from dodder (<i>Cuscuta hygrophilae</i>)	T. D. Xuan Univ. of Ryukyus (Japan)
P-027	Defense chemicals from camphorweed (<i>Heterotheca subaxillaris</i>) against phytophagous insects	M. Morimoto Kinki Univ. (Japan)
P-028	Screening of plant extracts that induce systemic acquired resistance in the cucumber.	H. Inagaki Shizuoka Pref. Res. Inst. of Agric. & Forestry (Japan)
P-029 A4-3	L-DOPA and <i>m</i> -tyrosine have similar chemical structure, but different mode of action	M. Hachinohe Univ. of Tsukuba (Japan)
P-030	Allelopathic activities of alien plants by specific bioassays : Sandwich method, plant box method, dish-pack method and demonstration of dangerous plants to biodiversity	Y. Fujii Natl. Inst. for Agro-Environ. Sci. (Japan)
P-031	Allelopathic effects of tree leaf extracts on seed germination and growth of wheat and wild oats	K. B. Marwat NWFP Agric. Univ. (Pakistan)

P-032	Allelopathy: Problems and opportunities	M. A. Khan NWFP Agric. Univ. (Pakistan)
P-033	Important factors of allelopathy properties in the artificial closed eco-systems in space	K. Tomita-Yokotani Univ. of Tsukuba (Japan)

C. Animal-plant interactions

P-034	Phagostimulants in host plants against several Okinawan danaid butterfly larvae	K. Ogihara Univ. of Ryukyus (Japan)
P-035 A3-2	Larval feeding stimulants for a Rutaceae-feeding swallowtail butterfly, <i>Papilio xuthus</i> L. (Lepidoptera: Papilionidae.) in <i>Citrus unshiu</i> leaves	T. Murata Tohoku Pharmaceutical Univ. (Japan)
P-036	Behavioral and electrophysiological analyses of larval feeding stimulants for a primitive swallowtail butterfly, <i>Sericinus montela</i> , in the host plant, <i>Aristolochia debilis</i>	Y. Murata Kyoto Univ. (Japan)
P-037	Oviposition and feeding stimulants for Okinawan Aristolochiaceae-feeding swallowtail butterflies: Pinitol and aristolochic acids from <i>Aristolochia liukuensis</i> and <i>Aristolochia zollingeriana</i>	H. Shinyashiki Univ. of Ryukyus (Japan)
P-038	Electrophysiological analysis of oviposition stimulants on tarsal chemosensilla in a citrus swallowtail <i>Papilio xuthus</i>	S. Yui Kyoto Univ. (Japan)
P-039 B1-5	Oviposition stimulant binding protein in a butterfly, <i>Atrophaneura alcinous</i>	K. Tsuchihara Iwaki Meisei Univ. (Japan)
P-040	Identification of genes involved in perception of oviposition regulating compounds of swallowtail butterflies	K. Ozaki JT Biohistory Res. Hall (Japan)
P-041	Inter- and intraspecific variation in oviposition regulatory receptor among <i>Papilio</i> butterflies	H. Naka JT Biohistory Res. Hall (Japan)
P-042	Expression analysis of genes involved in oviposition behavior of swallowtail butterflies	A. Utoguchi Osaka Univ., JT Biohistory Res. Hall (Japan)
P-043 B1-6	Genetic basis of host-plant preference in <i>Drosophila</i>	T. Matsuo Tokyo Metropolitan Univ. (Japan)
P-044	Oviposition-detering effect of several plant extracts against <i>Pieris rapae</i> L.	G. Yuan Henan Univ. of Technol. (China)
P-045 A3-1	Phytochemical-mediated differential oviposition on four Liliales plants by a nymphalid butterfly, <i>Kaniska canace</i>	H. Omura Hiroshima Univ. (Japan)
P-046	Attracting of <i>Canna edulis</i> Ker to oviposition of <i>Ostrinia furnacalis</i>	M. Luo Henan Univ. of Technol. (China)

P-047	Host range of rice bug, <i>Leptocorisa chinensis</i> and existence of chemical cues in host plant affecting feeding behavior	M. Ishizaki Natl. Agric. Res. Center (Japan)
P-048	Attractants toward the olive weevil (<i>Dyscerus perforatus</i>) in their feces	M. Hosokawa Okayama Univ. (Japan)
P-049	Identification of feeding stimulants from <i>Salix sachalinensis</i> leaves for the willow leaf beetle, <i>Plagiodera versicolora</i>	T. Matsumoto Shikoku Res. Center, Forestry & Forest Products Res. Inst. (Japan)
P-050	Chemicals affecting feeding preference of cucurbitaceous feeding beetles to cucurbitaceous plants	M. Abe Natl. Inst. for Environ. Studies (Japan)
P-051	Different feeding responses to the saponin contained in spinach due to different feeding experiences in the tortoise beetle <i>Cassida nebulosa</i> L.	A. Nagasawa Natl. Agric. Res. Center, Hokuriku Res. Center (Japan)
P-052	Host selection of cotton aphids, <i>Aphis gossypii</i>	S. Tebayashi Kochi Univ. (Japan)
P-053	Preliminary studies on the repellency effect of non-host plant extracts to <i>Myzus persicae</i>	X. Guo Henan Univ. of Technol. (China)
P-054	A flavonol glycoside as a probing stimulant of a cowpea aphid, <i>Aphis craccivora</i> , from <i>Vicia faba</i>	M. Ushiro Kyoto Univ. (Japan)
P-055	Canceled	
P-056 B2-3	The role of coleopteran tarsus in food finding	R. Kakazu Tohoku Univ. (Japan)
P-057	Symbiotic relationship between a water lily, <i>Trapa natans</i> L. and a water strider, <i>Gerris nepalensis</i>	T. Harada Kochi Univ. (Japan)
P-058	Canceled	
P-059	Raspberry flavor or ginger pungency? - Synomonal fragrance of "fruit fly orchids" to attract fruit flies as pollinators	R. Nishida Kyoto Univ. (Japan)
P-060 A3-3	The role of methyl eugenol in the chemical ecology of <i>Bactrocera carambolae</i> (Diptera: Tephritidae)	S. L. Wee Univ. Tunku Abdul Rahman (Malaysia)
P-061 B3-5	Development of a material to inhibit the working of honeybee on extracting honey from plant leaves	N. H. Ahn Natl. Inst. of Agric. Sci. & Technol. (Korea)
P-062	Learning of plant chemicals for food foraging in the egg-larval parasitoid, <i>Ascogaster reticulata</i> Watanabe (Hymenoptera: Braconidae)	Y. Kainoh Univ. of Tsukuba (Japan)

P-063	Effect of learning of plant chemicals on host-searching behavior of the egg-larval parasitoid, <i>Ascogaster reticulata</i> Watanabe (Hymenoptera: Braconidae)	H. Seino Univ. of Tsukuba (Japan)
P-064	Chemical cues for host recognition by the egg parasitoid <i>Aprostocetus fukutai</i>	J. Li Agric. Univ. of Hebei (China)
P-065 A3-5	Induced defensive effects of intact willow trees in response to volatiles from conspecific trees infested by willow leaf beetles	S. Kugimiya Natl. Inst. for Agro-Environ. Sci. (Japan)
P-066	Direct and indirect defense of willow plants against herbivores: Comparison of seven wild willow species in Japan	K. Yoneya Kyoto Univ. (Japan)
P-067	Canceled	
P-068	Rice plants damaged by common armyworms (<i>Mythimna separata</i>) emit volatiles that attract a parasitic wasp <i>Cotesia kariyai</i>	R. Ozawa Kyoto Univ. (Japan)
P-069	Response to aging herbivore-damaged plants in the parasitoid fly <i>Exorista japonica</i>	K. Hanyu Univ. of Tsukuba (Japan)
P-070	EAG responses of <i>Nephotettix nigropictus</i> towards components of rice plant	J. Li Kochi Univ. (Japan)
P-071	Response of the Asian ladybird, <i>Harmonia axyridis</i> to the host infested by the green peach aphid, <i>Myzus persicae</i>	G. Kim Chungbuk Natl. Univ. (Korea)
P-072	Response of <i>Monochamus saltuarius</i> (Coleoptera: Cerambycidae) adults to the odors of fresh pine tree and adult-infested pine tree	G. Kim Chungbuk Natl. Univ. (Korea)
P-073 A3-4	Induced plant defenses against aphids with herbivore-induced volatiles that attract parasitic wasps: Mechanisms involved in the induced volatile production	H. Takemoto Kyoto Univ. (Japan)
P-074	Olfactory responses of the predatory mites <i>Neoseiulus cucumeris</i> to two different plant species infested with the onion thrips, <i>Thrips tabaci</i>	T. Shimoda Natl. Agric. Res. Center (Japan)
P-075 A3-6	Interactions between arbuscular mycorrhizal fungi and spider mites through plant induced resistance	T. Nishida Kyoto Univ. (Japan)
P-076	Analyses of plant response to thrips feeding using <i>Arabidopsis</i> system	H. Abe RIKEN (Japan)
P-077	Absolute configuration of volicitin from the regurgitant of lepidopteran caterpillars and biological activity of volicitin-related compounds	N. Mori Kyoto Univ. (Japan)

P-078	Volicitin biosynthesis and nitrogen metabolism in <i>Spodoptera litura</i> larvae	N. Yoshinaga Kyoto Univ. (Japan)
P-079	Efficient incorporation of unsaturated fatty acids to the fatty acid-amides in <i>Spodoptera litura</i>	T. Aboshi Kyoto Univ. (Japan)
P-080	Salivary laccase of the green rice leafhopper, <i>Nephotettix cincticeps</i> and its possible functions in feeding activity	M. Hattori Natl. Inst. of Agrobiological Sci. (Japan)
P-081	Gall induction by a leafhopper <i>Cicadulina bipunctata</i> : So-called "pseudogaller" as a model for presuming evolution of gall-inducing ability in insects	K. Matsukura Natl. Agric. Res. Center for Kyushu Okinawa Region (Japan)
P-082	Tolerance of <i>Drosophila</i> flies to ibotenic acid poisons in mushrooms	N. Tuno Kanazawa Univ. (Japan)
P-083	Identification of DIMBOA, MBOA glucosides in noctuid caterpillars	M. Ishida Kyoto Univ. (Japan)
P-084	Toxicity of citrus essential oils againsts <i>Callosobruchus maculatus</i> (F.) adults	M. Azizi Arani Ferdowsi Univ. of Mashad (Iran)
P-085	Insecticidal activity of some medicinal plants essential oils against <i>Oryzaephilus surinamensis</i> L. and <i>Tribolium castaneum</i> Hbst.	M. Azizi Arani Ferdowsi Univ. of Mashad (Iran)
P-086	Physiological and behavioral countermeasures against acorn tannins in the Japanese wood mouse <i>Apodemus speciosus</i>	T. Shimada Forestry & Forest Products Res. Inst., Tohoku Center. (Japan)

D. Microbial interactions

P-087 A4-1	Chemical interaction between Brassicaceae plants and rhizospheric fungi	H. Ishimoto Mitsui Chemicals (Japan)
P-088 A4-4	Antifungal compounds of seeds influence early mycoflora in the seedling rhizosphere of <i>Thujaopsis dolabrata</i> var. <i>hondai</i>	K. Yamaji Univ. of Tsukuba (Japan)
P-089 A4-2	Damping-off of current-year <i>Fagus crenata</i> seedlings under different illuminations—Temporal change of antifungal production and periderm formation in hypocotyls—	Y. Ichihara Tohoku Res. Center, Forestry & Forest Products Res. Inst. (Japan)
P-090 A4-6	Induced response of oak trees to <i>Raffaelea quercivora</i> as a defense against a vector ambrosia beetle <i>Platypus quercivorus</i>	N. Kamata Univ. of Tokyo (Japan)
P-091 A4-5	Isolation of biodegradable plastic-degrading microorganisms from alimentary canals and body surfaces of stag beetles	H. Sakamoto Natl. Inst. for Agro-Environ. Sci. (Japan)
P-092	Molecular identification of <i>Wolbachia</i> in <i>Aprostocetus prolixus</i>	D. Huang Agric. Univ. of Hebei (China)

E. Insect allelochemicals

P-093 B3-2	The role of cuticular hydrocarbons in ant-aphid mutualism: Chemical marking and mimicry	S. Endo Shinshu Univ. (Japan)
P-094 B3-4	Intracolony chemical mimicry in ant parasitic inquiline <i>Niphanda fusca</i> (Lepidoptera: Lycaenidae)	M. K. Hojo Kyoto Inst. of Technol. (Japan)
P-095 B3-3	Significance of minor alarm pheromone components in major five Japanese <i>Camponotus</i> ants	N. Fujiwara-Tsujii Kyoto Inst. of Technol. (Japan)
P-096 B3-1	Recognition system in grooming behavior against entomopathogenic fungi of the termite, <i>Coptotermes formosanus</i> Shiraki	A. Yanagawa Kyushu Univ. (Japan)
P-097	Is octenol a non-host signal or an old host signal for scolytid beetles (Coleoptera: Scolytidae)?	A. Ueda Hokkaido Res. Center, Forestry & Forest Products Res. Inst. (Japan)
P-098	Novel compounds in the metathoracic gland of the predatory stink bug, <i>Eocanthecona concinna</i> (Walker)	H.-Y. Ho Inst. of Cellular & Organismic Biol., Academia Sinica, Taipei (Taiwan)
P-099 B4-6	Chemical ecological studies on <i>Platypus koryoensis</i> (Coleoptera: Platypodidae) I	J. Kim Korea Forest Res. Inst. (Korea)
P-100	Diet-induced chemical phytomimesis by twig-like caterpillars of <i>Biston robustum</i> Butler (Lepidoptera: Geometridae)	T. Akino Kyoto Inst. of Technol. (Japan)
P-101	Sequestration and metabolism of host-plant flavonoids by the pale grass blue, <i>Pseudozizeeria maha</i> (Lepidoptera: Lycaenidae)	H. Mizokami Kumamoto Univ. (Japan)

F. Syntheses and bioorganic chemistry

P-102 A1-5	Hydrocarbons with a 1,3,6,9-, 3,6,9,11-, or 6,9,11-polyene system: Sex pheromone candidates of lepidopteran insects in highly evolved groups	M. Yamamoto Tokyo Univ. of Agric. & Technol. (Japan)
P-103	Synthesis and characterization of 2,13- and 3,13-octadecadienals for the identification of the sex pheromone secreted by a clearwing moth	T. Ando Tokyo Univ. of Agric. & Technol. (Japan)
P-104	7,11,13-Hexadecatrienal identified from female moths of the citrus leafminer as a new sex pheromone component: Synthesis and field evaluation in Japan and Vietnam	MD. A. Islam Tokyo Univ. of Agric. & Technol. (Japan)
P-105	Synthesis of (8E,10Z)-8,10-tetradecadien-1-ol the sex pheromone of horse chestnut leaf mines <i>Cameraria ohridella</i> Descha-Dimic species	L. Gansca Inst. for Res. in Chemistry, Raluca Ripan Cluj Napoca (Romania)
P-106 A1-6	Synthetic studies on decaturins	H. Takikawa Kobe Univ. (Japan)

P-107 A1-2	Direct determination of the stereoisomeric compositions by the Ohruai-Akasaka method and stereochemistry-pheromone activity relationships of the pheromones of azuki and cowpea weevil	A. Yajima Tokyo Univ. of Agric. (Japan)
P-108 A1-1	NMR determination of absolute configuration of organic compounds by use of axially chiral reagents—Axial chirality methods—	Y. Fukushi Hokkaido Univ. (Japan)
P-109 A1-4	Enantio-differential approach to the receptor protein concerning nyctinasty of <i>Albizzia</i> plants	Y. Nakamura Tohoku Univ. (Japan)
P-110 A1-3	Development of Pd catalyzed stereoselective cyclization and its application for synthesis of natural products	Y. Hattori Shinshu Univ. (Japan)
P-111	More efficient open column chromatography for bioactive natural products isolation	N. Yokoi Kagawa Univ. (Japan)

G. Pheromonal communications and their applications

P-112	Novel sex pheromone components from a Lithosiinae moth, <i>Lyclene dharma dharma</i> , in the family of Arctiidae	N. Duc Do Tokyo Univ. of Agric. & Technol. (Japan)
P-113	Sex pheromone of the larch caterpillar moth, <i>Dendrolimus superans</i> from northeastern China	X. B. Kong Res. Inst. of Forest Ecol., Environ. & Protect., Chinese Acad. of Forestry (China)
P-114 B5-6	Sex pheromone for the population suppressing of sawfly, <i>Diprion jingyuanensis</i> Xiao et Zhang (Hym., Diprionidae)	Z. Zhang Res. Inst. of Forest Ecol., Environ. & Protect., Chinese Acad. of Forestry (China)
P-115 B5-2	Attractiveness of synthetic sex pheromone to males of the Oriental tea tortrix moth, <i>Homona magnanima</i> Diakonoff (Lepidoptera: Tortricidae) in China	J. Y. Deng Res. Inst. of Plant Protection, Shanghai Acad. of Agric. Sci. (China)
P-116 B4-3	Attractiveness of the synthetic sex pheromone to the citrus flower moth (<i>Prays citri</i> Milliere) in the Mekong Delta of Vietnam	L. Van Vang Can Tho Univ. (Vietnam)
P-117	GC-EAD detection of novel aggregation pheromone, (1S,4R)- <i>p</i> -menth-2-en-1-ol of the ambrosia beetle, <i>Platypus quercivorus</i> (Coleoptera: Platypodidae)	M. Tokoro Forestry & Forest Products Res. Inst. (FFPRI) (Japan)
P-118	Attractance of the synthetic aggregation pheromone of the brown-winged green bug, <i>Plautia crossota stali</i> Scotto, to two stink bugs, <i>Halyomorpha halys</i> Stal and <i>Glaucias subpunctatus</i> Walker	K. Mishiro Natl. Inst. of Fruit Tree Sci. (Japan)
P-119	Male-produced aggregation pheromones for the lucerne weevil, <i>Sitona discoideus</i> (Coleoptera: Curculionidae)	S. L. Wee HortRes. (New Zealand)

P-120	Synthetic sexual pheromone used for monitoring quarantine pest eastern corn rootworm <i>Diabrotica virgifera virgifera</i> in Romania, Transylvania area	M. Pojar-Fenesan Inst. for Res. in Chemistry, Raluca Ripan Cluj Napoca (Romania)
P-121	2-Ethyl-1,6-dioxaspiro [4,4]-nonane— The main component of the spruce bark beetle's pheromone <i>Pityogenes chalcographus</i> , synthesis and biological tests	A. Balea Inst. for Res. in Chemistry, Raluca Ripan Cluj Napoca (Romania)
P-122	Female sex pheromone components of allium leaf-miner <i>Acrolepiopsis sapporensis</i> : Identification and field attraction	N. Shimizu Kyoto-Gakuen Univ. (Japan)
P-123	Sex pheromone components of <i>Callosobruchus rhodesianus</i>	K. Shimomura Tokyo Univ. of Agric. (Japan)
P-124	Individual variation of the male bean bug, <i>Riptortus pedestris</i> (Heteroptera: Alydidae) on its attractiveness to the same species	N. Mizutani Natl. Agric. Res. Center (Japan)
P-125 B4-5	Effect of adult age on pheromone production and emission ratio in soybean stink bug, <i>Piezodorus hybneri</i> (Heteroptera: Pentatomidae)	N. Endo Natl. Agric. Res. Center for Kyushu Okinawa Region (KONARC) (Japan)
P-126	Components of the androconial secretion of a danaid butterfly, <i>Ideopsis similis</i> (Lepidoptera: Danaidae): Their origin and sex-pheromonal activity	W. Yagi Hiroshima Univ. (Japan)
P-127	Male hair-pencil volatiles and their functions for reproductive isolation in sympatric sibling pyralid moths	H. Honda Univ. of Tsukuba (Japan)
P-128 B4-4	Synergistic lure effect of crude extraction from cracked wheat and insect pheromone on stored product insects and analysis its chemical compounds	Y. J. Lu Henan Univ. of Technol. (China)
P-129	Search for host-plant volatiles from young peach shoots attractive for oriental fruit moth <i>Grapholita molesta</i> Busck (Lepidoptera: Tortricidae)	A. IL'ichev Primary Industries Res. Victoria (Australia)
P-130	Intraspecific communication in the white-spotted longicorn beetle by host plant chemicals	H. Yasui Natl. Inst. of Agrobiol. Sci. (Japan)
P-131 B3-7	Comparative chemical ecology of volatile components emitted from labial glands of male bumblebees (<i>Bombus</i> spp.)	R. Kubo Tamagawa Univ. (Japan)
P-132	Gorse pathogenic fungus, <i>Fusarium tumidum</i> uptake and carry by <i>Epiphyas postvittana</i> (Lepidoptera: Tortricidae)	A. K.-W. Hee HortRes. (New Zealand)
P-133 B5-5	Control of the cherry tree borer, <i>Synanthedon hector</i> , occurring on a steep slope by means of mating disruption with a synthetic sex attractants	K. Matsumoto Forestry & Forest Products Res. Inst. (Japan)

P-134 B5-4	Mating disruption of the carpenter moth, <i>Cossus insularis</i>	T. Nakanishi Fruit Tree Res. Inst., Tokushima Pref. Agric., Forestry & Fisheries Technol. Support Center (Japan)
P-135 B5-3	Mating disruption of the persimmon fruit moth, <i>Stathmopoda masinissa</i> , by the synthetic sex pheromone	T. Suzuki Agric. Technol. Inst. of Gifu Pref. (Japan)
P-136 B4-1	Resistance to mating disruption in the smaller tea tortrix, <i>Adoxophyes honmai</i> Yasuda	J. Tabata Natl. Inst. for Agro-Environ. Sci. (Japan)
P-137	Some information about the sex pheromone trap of the Japanese mealybug, <i>Planococcus kraunhiae</i> (Kuwana)	Y. Narai Shimane Agric. Technol. Center (Japan)
P-138	Pheromone trap monitoring of San Jose scale <i>Quadraspidiotus perniciosus</i> adult males and prediction of crawler occurrence	T. Arai Apple Res. Station (Japan)
P-139	Detect propagative stage juveniles of <i>Bursaphelenchus xylophilus</i> by a trapping tube	L. Zhao Inst. of Zoology, Chinese Acad. of Sci. (China)
P-140	Monitoring of the cabbage looper, <i>Trichoplusia ni</i> , using a pheromone trap in Japan	H. Sugie Natl. Inst. for Agro-Environ. Sci. (Japan)
P-141 B5-1	Monitoring and mating disruption using the sex pheromone of the rice leaf bug, <i>Trigonotylus caelestialium</i> (Kirkaldy) (Heteroptera: Miridae)	M. Kakizaki Hokkaido Dohnan Agric. Exp. Station (Japan)
P-142 B3-6	Foraging disruption of the Argentine ant (Hymenoptera: Formicidae) by synthetic trail pheromone: Potential control strategy of pest ants	E. Sunamura Univ. of Tokyo (Japan)
P-143 B2-4	Female's specific gustatory perception of the nuptial gift in the German cockroach	A. Katumata Kyoto Univ. (Japan)
P-144 B1-4	Odor receptor swap between two sensory neurons reverses male moth preference for pheromone blend	T. Dekker Swedish Univ. of Agric. Sci. (Sweden)
P-145 B4-2	Characterization of sex pheromone receptor genes isolated from four moth species	H. Mitsuno Univ. of Tokyo (Japan)
P-146 B1-3	Axonal projections of pheromone receptor neurons to the antennal lobe macroglomerular complex in the silkworm, <i>Bombyx mori</i>	T. Sakurai Univ. of Tokyo (Japan)
P-147 B1-1	Morphological investigation of aggressive center in the antennal lobe of <i>Camponotus japonicus</i>	K. Ishiura Kobe Univ. (Japan)
P-148	Evolution of sex pheromone communication systems in the genus <i>Ostrinia</i>	Y. Ishikawa Univ. of Tokyo (Japan)

P-149	Mating sequence of <i>Brontispa longissima</i> (Coleoptera: Chrysomelidae) and evidence for a female contact sex pheromone	K. Kawazu Japan Internatl. Res. Center for Agric. Sci. (Japan)
P-150	Temporal interpretation of spatial odor concentration gradient in mould mites	T. Kojima Kyoto Univ. (Japan)
P-151	Virtual reality in insect olfactory behavior	M. Sakuma Kyoto Univ. (Japan)
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