

Program

12 May 2011

	Grand Ballroom
12:00~13:00	Registration
13:00~14:00	Opening ceremony Opening address (President of Korean Society of Applied Entomology) Welcome address (Administrator of RDA) Congratulatory address (President of Korea Crop Protection Association) Congratulatory address (President of Korea Pest Control Association) Congratulatory address (Governor of Hongcheon-Gun)
14:00~14:35	Section I : Current status and future of applied entomology in Asia 50 years history of Korean Society of Applied Entomology (Dr. Kyung Saeng Boo, Former president of KSAE)
14:35~15:10	Current status and future of applied entomology in Japan (Dr. Akira Kawai, President of the Japanese Society of Applied Entomology)
15:10~15:45	Current status and future of applied entomology in China (Dr. Da-wei Huang, President of the Entomological Society of China)
15:45~16:00	Coffee / Tea Break
16:00~16:35	Current status and future of applied entomology in Taiwan (Dr. Kuang Hui Lu, President of the Taiwan Society of Applied Entomology)
16:35~17:10	Current status and future of applied entomology in Malaysia (Dr. Mohamad Roff Bin Mohd Noor, President of the Malaysia Plant Protection)
17:10~17:45	Current status and future of applied entomology in USA (Dr. Thomas A. Miller, Delegate of the Entomological Society of America)
17:45~18:00	Opportunities for International Collaboration with the Entomological Society of America (Dr. David Gammel, Executive Director of Entomological Society of America)
18:00~18:15	Discussion
19:00~21:00	Welcome Dinner



13 May 2011

	Grand Ballroom
09:00~09:30	Plenary session
09:35~10:10	Current status and future of applied entomology research in Australia (Dr. James Ridsdill-Smith, Delegate of the Australian Society of Entomology)
10:30~11:00	Session II: New technology in entomology research New technology for modeling and monitoring of insect pests (Dr. Joon-Ho Lee)
11:00~11:30	Application of molecular technology in insect pest management (Dr. Si Hyeock Lee)
11:30~12:00	Application of bar-code in entomology (Dr. Ho Yeon Han)
12:00~13:30	Lunch
13:30~14:00	Development of Bio-resources from insects (Dr. Ho Yong Park)
14:00~14:30	Disruption of insect physiological processes and novel control strategies. (Dr. Yong Gyun Kim)
14:30~15:00	Session III: Current status and future of insect pest management in Korea Insect pest management in rice (Dr. Ki Yeol Lee)
15:00~15:30	Insect pest management in fruit tree orchards (Dr. Myoung Rae Cho)
15:30~15:45	Coffee/Tea Break
15:45~16:15	Insect pest management in greenhouse crops (Dr. Man Young Choi)
16:15~16:45	Forest insect pest management (Dr. Yeong Jin Chung)
16:45~17:15	Management of medical insects (Dr. E-Hyun Shin)
17:15~17:45	Insect pest management and Quarantine (Dr. Ki Jeong Hong)
18:00~18:40	Discussion

14 May 2011

	Grand Ballroom
09:00~12:00	Oral presentations

13~14 May 2011

	Grand Ballroom
09:00~12:00	Poster presentations



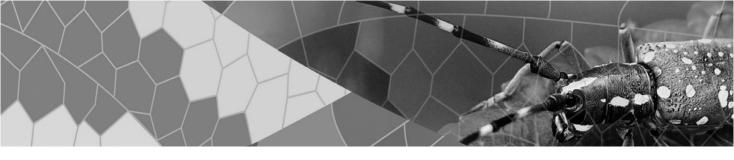
Contents

•••• 초청연사

12일 (목) 그	12일 (목) 그랜드볼룸 좌장 : ???			???
14:00-14:35	The history of the Korean society of applied entomology for its first 50 years Kyung Saeng Boo			3
14:35-15:10	Current status and future of applied entomology in Japan Akira Kawai			···· 10
15:10-15:45	Entomological Society of China: A brief introduction Da-Wei Huang			···· 13
16:00-16:35	Current status and future of applied entomology in Taiwan ······ Kuang-Hui Lu			···· 15
16:35-17:10	Current status of entomological research in Malaysia			···· 18
17:10-17:45	Current status and future of applied entomology in USA Thomas A. Miller			···· 24
13일 (금) 그	.랜드볼룸	좌장	: 9	???
09:35-10:10	Current status and future of entomology in Australia James Ridsdill-Smith			33
10:30-10:00	Technology for modeling and monitoring of insect pests Joon-Ho Lee			38
11:00-11:30	Molecular approaches to insecticide resistance management a control			···· 41
11:30-12:00	Application of dNA barcoding in entomogy: A case study of the superfamily tephritoidea (diptera) in Korea			···· 43

KOREAN SOCIETY OF APPLIED ENTOMOLOGY

13:30-14:00	Ho-Yong Park
14:00-14:30	Disruption of insect physiological processes and novel control strategies ······ 45 Yonggyun Kim
14:30-15:00	Insect pest management in rice ————————————————————————————————————
15:00-15:30	Insect pest management of fruit tree orchards in Korea
15:45-16:15	Pest management of protected crops in Korea, future and present ··········· 60 Man-Young Choi, Sang Guei Lee, Jeong-Hwan Kim, Young-Woong Byeon, and Eun-Jin Kang
16:15-16:45	Insect pest management in forests ———————————————————————————————————
16:45-17:15	Management of medical insects ————————————————————————————————————
17:15-17:45	검역 및 외래 해충 관리 (Insect Pest Management and Quarantine) - 식물병해충 생물안전(Biosecurity) 및 위기관리 (Emergency Management) 현황 및 전망 - 67 Ki-Jeong Hong



●●●● 구두 발표

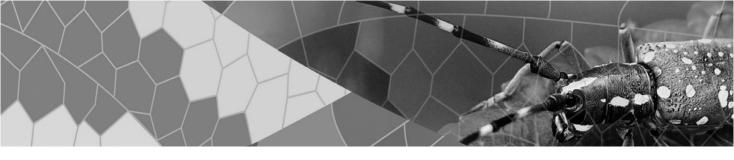
>> 곤충생리

14일 (토)	14일 (토) 크리스탈 좌장 : 김익수	
09:00~09:	5 Disruption of cell-cell interaction by a polydnavirus gene, CpBV-ELP1 ······ 73 Ahmed Abdel-Fattah and Yonggyun Kim	
09:15~09:	Cross-talk between plasmatocyte spreading peptide and eicosanoid ······· 74 K.Srikanth and Yonggyun Kim	
09:30~09:4	HTIFs encoded in <i>Cotesia plutella</i> bracovirus discriminates mRNAs of arginine kinase and imaginal disc growth factor of <i>Plutella xylostella</i> ········· 75 Rahul P. Hepat, Surakashi Venkata Prasad and Youggyun Kim	
09:45~10:	Overexpression of acetylcholinesterase compensates the reduced catalytic activity due to resistance-conferring mutations in the two-spotted spider mite — 76 Deok Ho Kwon, Chae Eun Hwang, Jae Young Choi, Yeon Ho Je, and Si Hyeock Lee	
10:15~10:	Neuromodulation of olfactory circuitry in the periphery of the American cockroach	
10:30~10:4	Comparative transcriptome analysis for the identification of genes putatively associated with imidacloprid resistance in the cotton aphid, <i>Aphis gossypii</i> (Hemiptera: Aphididae) ————————————————————————————————————	
10:45~11:	CpBV infection causes endocrine alteration of <i>Plutella xylostella</i> and inhibits pupal metamorphosis	
11:00~11:	5 RNA interference of two ovary transcripts of an endoparasitoid wasp, Cotesia plutellae, suppresses replication of its symbiotic polydnavirus ······ 80 Bok-ri Park and Yonggyun Kim	

KOREAN SOCIETY OF APPLIED ENTOMOLOGY



14일 (토) 루	14일 (토) 루비 좌장 : 배순도	
09:00~09:15	Mass rearing of the box tree pyralid, <i>Glyphodes perspectalis</i> , with artificial diet and sex pheromone analysis	81
09:15~09:30	Pospholipase A2 is activated Toll signaling in response to fungal infection	82
09:30~09:45	Cloning of a scavenger receptor gene from <i>Spodoptera exigua</i> hemocy Jong-Ho Park, Jung-A Park, and Youngyun Kim	ytes ····· 83
09:45~10:00	Pathogenicity of <i>Xenorhabdus</i> sp. isolated from <i>Steinernema monticolum</i> and its Bt synergistic effect	84
10:15~10:30	CATTS 소독 처리에 따른 사과 품질 조사 ···································	85
10:30~10:45	Identification and Field Evaluation of the Sex Pheromone of Synanthedon bicingulata (Staudinger)	86
10:45~11:00	Diagnostic Molecular Markers Against Internal Apple Feeding Inse Chung Ryul Jung, Yerim Son, and Yonggyun Kim	ects 87
11:00~11:15	Differential proteomes analysis from Chinese cabbage attacked be Myzus persicae and Plutella xylostella	88
>> 곤충분류		
14일 (토) 루	비 좌장	· : 김용균
11:15-11:30	블루베리에 피해를 주는 블루베리혹파리 (Dasineura oxycoccana) 발견 보고 ···································	89



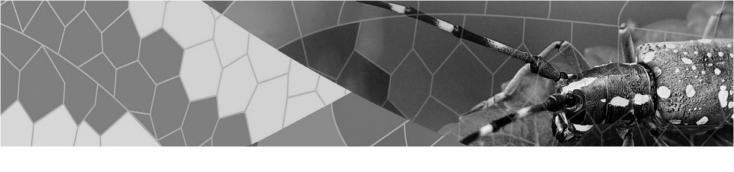
>> 해충방제

14일 (토) 코	릴	좌장 : 7	김길하
09:00~09:15	Larvicidal Activity of <i>Cnidium monnieri</i> Seed Constituents and Structurally Related Compounds to Insecticide-Susceptible a -Resistant <i>Culex pipiens pallens</i>	nd	······ 90
09:15~09:30	Screening and Selection of Acaropathogenic Fungi Against <i>Rhiechinopus</i> (Acari: Acaridae)		
09:30~09:45	Efficacy Test of Clothianidin Granule against Green Peach A (<i>Myzus persicae</i>) and Sweet-potato Whitefly(<i>Bemisia tabaci</i>) S. Y. Kim, M. K. Kang, Y. K. Kim, H. S. Jung, and T. J. Kim		······ 92
09:45~10:00	Electron beam irradiation induces abnormal development and stabilization of p53 protein of American sperpentine leafmine <i>Liriomyza trifolii</i> (Burgess)	r,	
10:15~10:30	Attractive distance of two different sizes of yellow sticky traps greenhouse whitefly using variogram analysis		······ 94
14일 (토) 코	럴	좌장 : 유	수동
10:30~10:45	Selection of Acaropathogenic Fungi to Control Two-spotted S Mite, <i>Tetranychus urticae</i>		······ 95
10:45~11:00	월동형 점박이응애에 대한 Ethyl formate와 Eco2fume [®] 의 훈증: 조진훈, 이병호, 박정규	효과	····· 96
11:00~11:15	EAG와 2차원 궤적 추적을 이용한 아메리카잎굴파리 (Liriomyza 소리에 대한 반응 연구 ···································		97

KOREAN SOCIETY OF APPLIED ENTOMOLOGY

	Dermatophagoides farinae (Acari: Pyroglyphidae)		98
>> 곤충 선충			
14일 (토) 제	이드	좌장 :	문일성
09:00~09:15	Biochemical characterization of a novel pectate lyase3 in Bursaph xylophilus Dae-Weon Lee, Jae Soon Kang, Si Hyeock Lee, and Young Ho Koh		
>> 기타			
14일 (토) 제	이드	좌장 :	제연호
09:15~09:30	Partial Polyhedrin Fusion Expression Enhance the Production Recombinant Protein in Baculovirus		
09:30~09:45	The Wolbachia bacterial density determines the sex in Trichog kaykai (Hymenoptera: Trichogrammatidae)		
09:45~10:00 >> 곤충 생태	Complete Genome of <i>Bombyx mori</i> Nucleopolyhedrovirus-K1 Strains Isolated in Korea		
14일 (토) 제	이드	좌장 :	이기열
10:15~10:30	Modeling potential global distribution of a leafroller, <i>Epiphyas pos</i> (Lepidoptera: Tortricidae) using CLIMEX and a new multiple-model Shuqi He, Susan P Worner, Takayoshi Ikeda, and Gwenael Leday		

11:15~11:30 Allergen-Denaturing Activity of Propolis-Derived Compounds against



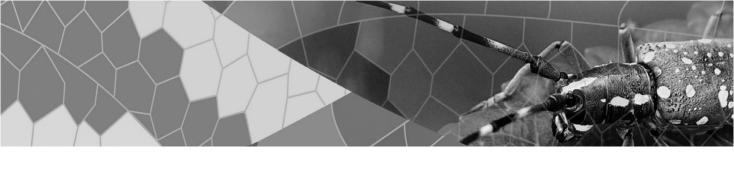
10:30~10:45	주남저수지의 육상 곤충상 안수정, 박정규	104
10:45~11:00	Spring emergence pattern and its forecasting of <i>Grapholita molesta</i> (Busck) (Lepidoptera: Tortricidae) in stone fruit orchards	105
11:00~11:15	국내·외 응용곤충학 관련 학술논문집간 통계적 처리기법 비교 연구 ···································	106
11:15~11:30	Effect of host genetic background on the offspring sex ratio in the <i>Wolbachia</i> infected <i>Trichogramma kaykai</i>	107



●●●● 포스터 발표

>> 곤충분류

	좌장 : ???
P002	Morphological and Molecular Diagnosis of <i>Meloidogyne</i> spp. from Imported Plants in Quarantine
P003	A checklist of tribe Phylini (Heteroptera: Miridae: Phylinae) in the Korean Peninsula
P004	Morphological and Molecular Comparison of Tetranychid Mites in Korea and Identification of Three New Species
P005	The Complete Mitochondrial Genomes of the Tobacco cutworm, Spodoptera litura (Lepidoptera: Noctuoidea) and the Rice Leaf Roller, Cnaphalocrocis medinalis (Lepidoptera: Pyralidae), and Reconstruction of Phylogenetic Relationships among Lepidoptera
P006	Phylogenetic Relationships among the Nymphalidae (Lepidoptera: Papilionoidea) Inferred from COI, EF1- α , and 16S rRNA genes
P007	Integrative Taxonomy of <i>Asiopodabrus fragiliformis</i> (Kang and Kim, 2000) (Coleoptera: Cantharidae) Combining Morphological and Molecular Data ···· 116 Tae Hwa Kang, Tae Man Han, Jong Chel Jeong, Young Bo Lee, and Hae Chul Park
P008	분자분류기술을 이용한 형태적 혼동종의 진단 II: 범부전나비 (Rapala caerulea)와 울릉범부전나비 (Rapala arata) ···································
P009	한국산 작은초원하늘소 (딱정벌레목 : 하늘소과)의 분류학적 문제 제기 ······· 118 권오창, 이호단, 이영보, 박해철, 김남정



Taxonomic Review of the Genus Oberea Dejean, 1835

P010

	(Coleoptera: Cerambycidae: Lamiinae) from South Korea
	좌장 : ???
P011	Development of microsatellite loci from the beet armyworm, Spodoptera exiqua (Hübner) (Lepidoptera: Noctuidae)
P012	한반도 발생 잠자리(Odonata)의 분자계통 연구 ······ 121 김민지, 정광수, 박남숙, 이상몽, 김익수
P013	Taxonomic review of the tribe Oxyptilini (Lepidoptera, Pterophoridae) from Korea ————————————————————————————————————
P014	Two unrecorded species of Oribatid mite in Ulleung Island, Punctoribates hexagonus Berlese and Galumna cuneata Aoki
P015	Isolation and characterization of 15 microsatellite loci from <i>Lycorma delicatula</i> (Hemiptera: Fulgoridae) ————————————————————————————————————
P016	Population genetic structure of the soybean aphid from Asia and North America based on microsatellites
P017	캄보디아 동부와 서부 곤충다양성 : 나비목 Insect Diversity of Eastern and Western part of Cambodia : Lepidoptera ····································
P018	Reinstatement of <i>Scolytoplatypus sinensis</i> Tsai & Huang 1965 (Curculionidae: Scolytinae), based on molecular and morphological evidence ———————————————————————————————————



	좌장 : ???
P019	Literature review of Limacodidae (Lepidoptera: Zygaenoidea) in Korea ····· 128 Shin-young Park, Bong-woo Lee, and Yang-seob Bae
P020	Introduction of Cambodian Beetles (IV) ————————————————————————————————————
P021	Morphology of the egg and first instar larva of <i>Smaragdina nipponensis</i> (Chûjô) (Coleoptera: Chrysomelidae: Clytrinae)
P022	Two Species of the Family Pyralidae (Lepidoptera) New to Korea ·········· 131 Sung-Soo Kim and Bong-Kyu Byun
P023	Molecular identification of dipteran pest from shiitake mushroom bedlogs ···· 132 Seunggwan Shin, Heungsik Lee, and Seunghwan Lee
P024	New record of two species of the genus <i>Dendrothrips</i> (Thysanoptera: Thripidae: Dendrothripinae) from Korea
P025	First record of the genus <i>Yezoceryx</i> (Hymenoptera: Ichneumonidae: Acaenitinae) from Korea with the description of two species
P026	한국산 물거미의 신종 가능성 진단 ···································
	좌장 : ???
P027	Unexpected problem in Aphid DNA barcoding by universal primers 136 Wonhoon LEE and Seunghwan LEE
P028	Taxonomic Review of the Korean Gomphidae (Insecta: Odonata) with a Key to Species



P038

P047



P038	The Potential of <i>Drosophila</i> TRP Channels As Targets of Naturally Occurring Mosquito Repellent Cinnamaldehyde	47
P039	Synthesis of Insect Pheromone: (Z)-3-dodecenyl acetate	48
P040	Mate choice test with eye color mutant of the brown planthopper, *Nilaparvata lugens** Stål ************************************	49
P041	Temperature Effect on the Initial Diapause of the Ussur Brown Katydid, <i>Paratlanticus ussuriensis</i> , Eggs and Activation of Hsp Genes	50
P042	채집 시기 별 애멸구(<i>Laodelphax striatellus</i> : Delphacidae) 지역 계통의 약제 감수성 분석 ···································	51
P043	Age-dependent Olfactory Dysfunction in a Neurodegenerative Disease Fruit Fly Model	52
P044	팥나방과 어리팥나방 사이의 불명료한 생식격리	53
>> 곤충 생태		
	좌장 : ???	•
P045	Annual patterns of occurrence of <i>Riptortus pedestris</i> (Hemiptera: Alydidae) and its egg parasitism in a field where a series of crops cultivated 1 Bishwo P. Mainali, Youngkeun Yi, and Un Taek Lim	54
P046	Temporal pattern of apple borers infestation and escape in late season 1 Lalit Prasad Sah and Chuleui Jung	55

Shuqi He, and Karen P Armstrong

Accessing phosphoglucose isomerase (pgi): a gene with potential links to

fitness and invasibility of the leafroller Epiphyas postvittana (Lepidoptera) ····· 156



P048	Mathematical models applied to dispersal data of pest populations in greenhouse	157
	Tuyen Van Nguyen, Chunlei Xia, Bu-Keun Chung, Hwang-Yong Kim, and Tae-Soo Chon	
P049	Modeling applied to drifting in aquatic insects	158
P050	무당벌레(Harmonia axyridis) 장내세균이 기주의 생물학적 특성에 미치는 영향 강동균, 길영종, 김기수, 곽창순, 서미자, 윤영남, 유용만	159
P051	Geographic Homogeneity and High Gene Flow of the Pear Psylla, <i>Cacopsylla pyricola</i> Foerster (Homoptera: Psyllidae), Detected by Mitochondrial COI Gene and Nuclear Ribosomal Internal Transcribed Sequence 2 Ah Rang Kang, Jee Yeon Baek, Sang Hyun Lee, Young Sik Cho, Wol Soo Kim, Yeon Soo Han, and Iksoo Kim	160
P052	블루베리에서 블루베리혹파리(기칭) (Dasineura oxycoccana) 발생 및 피해 특징 ····· 강택준, 조명래, 김형환, 이흥식	161
P053	Temperature-dependent developmental model of <i>Monochamus</i> saltuarius (Coleoptera: Cerambycidae)	162
P054	Rearing method of Potato tuber moth, <i>Phthorimaea operculella</i> (Zeller), and its oviposition characteristics	163
	좌장 : ?	??
P055	Effectiveness of <i>Encarsia formosa</i> to control the greenhouse whitefly, <i>Trialeurodes vaporariorum</i> in tomato greenhouse	164
P056	Geographic Genetic Contour of the Dung Beetle, <i>Copris tripartitus</i> (Coleoptera: Scarabaeidae), that Is Endangered in Korea	165

KOREAN SOCIETY OF APPLIED ENTOMOLOGY

P037	using <i>Daphnia magna</i>	6
P058	Development and characterization of ten polymorphic microsatellite markers in the seven-spotted lady beetle, <i>Coccinella septempunctata</i> (Coleoptera: Coccinellidae)	7
P059	Geographic Genetic Contour of the Seven-Spotted Lady Beetle, Coccinella septempunctata (Coleoptera: Coccinellidae), on the Basis of Mitochondrial COI Gene and Nuclear ITS2 Sequences	8
P060	Three species of cockroaches collected from seven different habitats in Jejusi, Republic of Korea (ROK) from 2005 to 2006	9
P061	화살깍지벌레 여름성충 온도별 산란 및 발육 특성 ···································	0
P062	Ecotoxicological evaluation for contaminated abandoned mine soils using <i>Heterocypris incongruens</i>	1
P063	상주지역 배 과원에서 가루깍지벌레 (Pseudococus comstocki)의 발생 동태 ···· 17 김종거, 정철의	2
P064	Spatio-temporal distribution pattern of an ambrosia beetle, *Platypus koryoensis*(Coleoptera: Platypodidae) within stands	3
	좌장 : ???	
P065	Cold hardiness of overwintering eggs of five <i>Lycorma delicatula</i> (White) populations in South Korea. ————————————————————————————————————	4

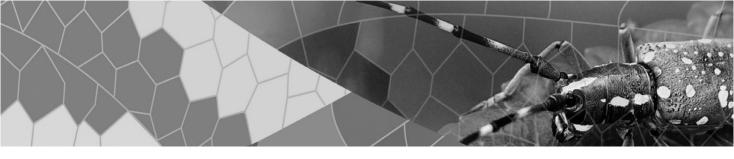


P066	Okra(<i>Abelmoschus esculentus</i> (L.) Moench.)에 발생하는 나방종류와 그 피해 증상 ···································	· 175
P067	경북지역 포도원의 꽃매미 월동밀도 및 부화시기 ······ 박석희, 이중환, 심홍식, 권태영, 최성용, 박소득	· 176
P068	땅강아지, <i>Gryllotalpa orientalis</i> (Orthoptera: Gryllotalpidae)의 생물학적특징과 인공사육에 관한 연구 김원기, 이영보, 이진구, 이상현, 박영규	· 177
P069	채집기를 이용한 쯔쯔가무시증의 매개체인 털진드기(Acarina: Trombiculidae)개체군의 환경 및 계절별 발생밀도 조사 ······· 박원일, 노종열, 신은희, 박후남, 이현주, 박 찬, 신이현	· 178
P070	Geographic Genetic Contour of A Leaf Beetle, <i>Chrysolina aurichalcea</i> (Coleoptera: Chysomelidae), on the Basis of Mitochondrial COI Gene and Nuclear ITS2 Sequences Joong Won Park, Sun Young Park, Min Jee Kim, Jeong Sun Park, Ah Rha Wang, Aimei Liao, Tae Hwa Kang, Hae Chul Park, and Iksoo Kim	· 179
P071	항온 조건에서 흰등멸구 [Sogatella furcifera (Horvath)] 발육 특성 및 발육모형 ······ 박창규, 이시우, 김광호, 박홍현, 이상계	180
P072	곤충병원성곰팡이 Isaria fumosorosea에 의한 담배가루이(Bemisia tabaci) 자연감염 보고 ···································	· 181
P073	Host Plant Preference of Alfalfa Weevil, <i>Hypera postica</i> Gyllenhal (Coleoptera: Curculionidae), against Different Seedlings of Upland Crops	· 182
P074	쯔쯔가무시증 매개체인 털진드기 유충의 덕유산 지역 고도별 분포 조사 송봉구, 박원일, 신은희, 노종열, 박찬, 신이현	183



좌장 : ???

P075	Sampling of <i>Unaspis yanonensis</i> (Hemiptera: Diaspididae) in Citrus Orchards, Jeju	184
P076	Occurrence and route tracking of <i>Riptortus pedestris</i> (Hemiptera:Alydidae) in Chungbuk province	185
P077	Calling song evolution and speciation in three closely related cricket species Jaeha Ahn, Gilsang Jeong, Amanda Wee Huixin, Sim Sze Ching Danielle, Yeo Qin Yi, Hyojoong Kim, and Yikweon Jang	186
P078	Recovery, Occurrences and Natural Infection Rates of <i>Romanomermis</i> sp.(Mermithidae; Nematoda) Mosquito Parasite in Korea Agroecosystem ····· Hyung Keun Lee, E Hyun Shin, Young Kyu Park, Ki Seok Oh, Seung Ho Kang, Young Cheol Yang, and Young Joon Ahn	187
P079	감귤 품종이 귤응애(Panonychus citiri) 발육 및 산란에 미치는 영향 ···············양진영, 최경산, 김동순	188
P080	Geographic Genetic Contour of a Ground Beetle, <i>Scarites aterrimus</i> (Coleoptera: Carabidae) on the Basis of Mitochondrial DNA Sequence Ah Rha Wang, Min Jee Kim, Young Bok Cho, Xinlong Wan, and Iksoo Kim	189
P081	오미자 줄기를 가해하는 해충의 생태적 특성 … 유동현, 김종엽, 김창수, 김동원, 김정만, 황창연	190
P082	제주도 차밭에서 관행과 유기재배 시 차나무 주요 해충의 발생 비교 ······ 유 주, 김동순, 이동운, 박정규	191
P083	복숭아혹진딧물(Myzus persicae)의 파프리카 품종에 대한 기주선호성 윤규식, 권혜리, 강민아, 박민우, 조신혁, 신효섭, 김세희, 서미자, 유용만, 윤영남	192
P084	Current Status and Agriculture Utilization of Commercial Managed Insect Pollinators in Korea	193



좌장 : ???

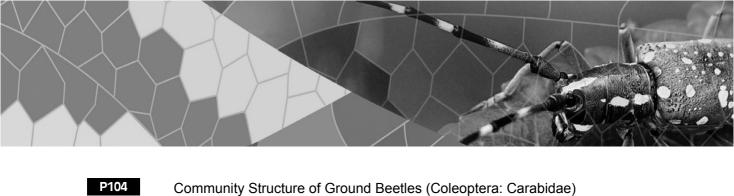
P085	Occurrence and Developmental Characteristics of Maize Weevil	194
P086	Population density of Insect Pests and Natural enemies in the Rice Field ····· Geon-Hwi Lee, Chae-Hoon Paik, Tae-Hwan Noh, and Hyeong-Kwon Shim	195
P087	Host Plants and Seasonal Occurrence of <i>Popillia flavosellata</i> (Coleoptera: Rutelidae)	196
P088	Comparison on the pollinating effect and activity relative to the comb number in honeybee hive released in the strawberry (Seolhyang var.) houses	197
	Sang Beom Lee, Nam Gyu Ha, Sang-Cheol Lee, Won-Tae Kim, Kwan-Ho Park, and Young-cheol Choi	
P089	A Long-Term Comparative Study on Macrolepidoptera Diversity in Three Types of Vegetations from Worak-san [Mt.] in 2010 So-Young Lee, Eunsol Lee, Seongkyun Lee, Seulki Kim, Taeho Kim, Chang gi Hong, Hyungjin Park, and Soowon Cho	198
P090	Effects of Insect-Resistant Genetically modified Rice on the Rice Insect Community Sue Yeon Lee, Seung Tae Kim, Jong-Kook Jung, and Joon-Ho Lee,	199
P091	The Latest Occurrence of Sporadic and Major Insect Pests in Gyeonggi Province Area Young Su Lee, Jin Young Kim, Soon Sung Hong, Gyoung Joong E, and Sung Ki Kim	200
P092	Inhibition of feeding behaviors using acoustic stimuli in aphids: Playback experiments Yerim Lee, Hyojoong Kim, and Yikweon Jang	201
P093	Effect of teflubenzuron (chitin synthesis inhibitor) on biological trait of <i>Paranura rosea</i> (Collembola)	202



 P094
 사슴풍뎅이(Dicranocephalus adamsi) 발생특성 및 사육을 위한 환경조건 ······ 203

 이진구, 이영수, 김희동, 서애경

	좌장 : ???
P095	매미나방(나비목: 독나방과)의 생활사 ······ 204 이흥식, 이광수, 류동표, V. Mastro
P096	넉점꼬마강변먼지벌레와 배추벼룩잎벌레 발생소장 비교 205 임주락, 김소형, 최낙중, 김 주, 문형철, 홍기정
P097	Monitoring of <i>Anopheles</i> mosquito population and <i>Plasmodium vivax</i> infection from the mosquito species in malaria epidemic areas in the Republic of Korea (ROK) 2010
P098	제주 낙과감귤에 발생하는 밑빠진벌레과 종 다양성 및 연간발생 동태 ········· 207 장용석, 김수빈, 강성혁, 현승용, 김용근, 김종현, 정대천, 김동순
P099	Inhibition of feeding behaviors using acoustic stimuli in aphids: Electrical penetration graph analyses ———————————————————————————————————
P100	중부지방 복숭아과원의 해충 발생실태 조사 209 전흥용, 김동순, 조명래, 양창열, 노일래, 정호정
P101	Modeling adult emergence of <i>Osmia cornifrons</i> (Hymenoptera: Megachilidae) after overwintering diapause
P102	단감 수출단지 단감 해충 발생 실태 ······ 211 정영학, 권진혁, 손대영, 추호렬, 박정규
P103	Damages by <i>Tyrophagus</i> spp. (Acari: Acaridae) in horticultural crops in Korea ————————————————————————————————————



	in the Reclaimed Land, Korea	··· 213
	좌장 :	???
P105	톱다리개미허리노린재에 대해 항생성을 보이는 콩과 유전자원 선발 정진교, 서보윤, 문중경, 김영태, 김율호	··· 214
P106	배에서 깍지벌레류 기생벌류에 의한 기생율과 온실가루깍지벌레 암컷의 온도별 각태의 기간 ···································	··· 215
P107	Species abundance distribution of aquatic insects presenting ecological integrity in lakes	··· 216
P108	목재 부후균이 흰개미의 서식에 미치는 영향 ·······조창욱, 김영희, 홍진영, 정미화, 김수지, 최정은	··· 217
P109	평화의 댐 증축공사후 나타나는 저서성대형무척추동물상 ·····주영돈, 레수안비, 치무지에, 울지자르갈, 박보선, 배양섭	··· 218
P110	한국산 재주나방과(Lepidoptera: Notodontidae) 유충 17종에 대한 형태적, 생태적 특징 기재 ···································	··· 219
P111	제주도 열대과수 해충 종류 및 피해 ··································	··· 220
P112	Efficiency comparison by three control methods against <i>Dichocrocis</i> punctiferalis (Lepidoptera: Pyralidae) at chestnut orchards	··· 221
P113	고추 유기재배시 피복재료에 따른 곤충상 변화 ·······한은정, 박종호, 홍성준, 김용기, 지형진	··· 222
P114	제주도내 작물 재배지에서의 볼록 총채벌레 월동 양상 ······황록연, 이평호, 오승협, 현재욱	··· 223



>> 곤충선충

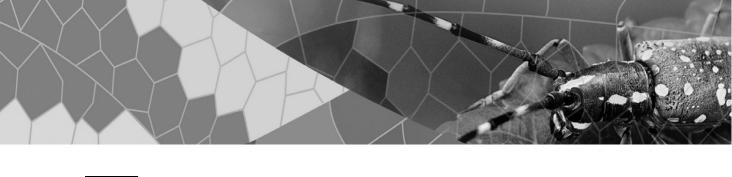
		좌장 :	???
P115	Molecular and biochemical properties of venom allergen-like prosupport a pathogenic function in the pinewood nematode, Bursaphelenchus xylophilus		···· 224
P116	소나무재선충병 피해위험도 분석 ····· 문일성, 정찬식, 김철수, 정영진, 박영석		···· 225
P117	Effect of Diameter and Paraffin Sealing of Twig and Dosage of Wood Nematode on Reproduction of Pine Wood Nematode, <i>Bursaphelenchus xylophilus</i> (Nematoda: Aphelenchoididae) Dong Woon Lee, Young Hack Chung, Suk Jun Lee, Sang Myeong Lee, Dong Soo Kim, and Ho Yul Choo		···· 226
P118	Ovarian development and oviposition response of two vectors of wood nematode, <i>M. alternatus</i> and <i>M. saltuarius</i>	-	···· 227
>> 해충방제			
		좌장 :	???
P119	Repellency of Plant Essential Oils against <i>Aedes aegypti</i> (Culicidae: Diptera)		···· 228
P120	Study on solid-state conditions and growth characteristics of <i>Paecilomyces lilacinus</i> HY-4		···· 229
P121	Bistrifluron과 Etofenprox 혼합 유현탁제(SE)의 복숭아순나방과 복숭아심식나방에 대한 방제효과		···· 230



P122	Pyrifluquinazon nano type에 대한 복숭아혹진딧물(Myzus persicae)의 섭식행동과 살충효과 ····································	· 231
P123	Insecticidal activity of <i>Monochamus alternatus</i> adults by trunk injection of systemic insecticides Dong Soo Kim, Sang Myeong Lee, Shin Hye Lee, and Kwang Sik Choi	· 232
P124	복숭아원 복숭아순나방 교미교란제 처리에 의한 방제효과 ······ 김산영, 김임수, 김대홍, 박원흠, 이숙희	· 233
P125	Larvicidal and Antifeeding Activities of Medicinal Plant Extracts against <i>Spodoptera exigua</i>	· 234
P126	Larvicidal and Antifeeding Activities of Medicinal Plant Extracts against <i>Plutella xylostella</i> L. Kim Yeon-Kook, Si-Woo Lee, Man-Young Choi, Sang-Guei Lee, and Jong-Jin Lee	· 235
P127	Management of <i>Frankliniella occidentalis</i> (Thysanoptera: Thripidae) with Entomopathogenic Fungi	· 236
P128	Compatibility of pesticides with <i>Beauveria bassiana</i> to control two-spotted spider mite <i>Tetranychus urticae</i> Yujin Song, Jeong Jun Kim, Hong Zhu, Jang Sun Suh	· 237
P129	시설고추에서 천적을 이용한 해충밀도억제 효과 대성환, 변영웅, 최만영, 지창우, 허수영	· 238
P130	님제를 이용한 담배가루이 방제 김 주, 임주락, 정성수, 최동칠, 김대향, 황창연	- 239
P131	비트 흰띠명나방 경제적방제수준 김 주, 임주락, 이상구, 정성수, 최동칠, 김대향, 황창연	· 240
P132	점착트랩이 담배가루이 밀도억제에 미치는 영향 ······· 김 주, 임주락, 정성수, 최동칠, 김대향, 황창연	· 241



P155	Vector Control of Pine Wilt Disease Joon Bum Kim and Kwang Sik Choi	· 242
P134	Natal host에 따른 콜레마니진디벌(Aphidius colemani)의 산란력과 숙주 크기 선호성의 차이 ···································	· 243
P135	조 가해 애긴노린재의 요방제 수준 설정 ······ 김현주, 배순도, 윤영남, 최병렬, 남민희, 박정규	· 244
P136	달팽이류에 대한 인삼사포닌의 살충 및 기피효과 ·····김현주, 배순도, 윤영남, 최병렬, 남민희, 박정규	· 245
P137	시설재배 수박에서 총채가시응애와 미끌애꽃노린재를 이용한 꽃노랑총채벌레의 밀도 억제 효과 ······ 김형환, 조명래, 강택준	· 246
P138	Discrimination of acaricidal resistance of <i>Tetranychus urticae</i> using surface enhanced laser desorption/ionization time-of-flight mass spectrometry (SELDI-TOF MS) Hyoung-ho Mo, Myeongseop Kim, Jung-Joon Park, and Kijong Cho	· 247
P139	참외 담배가루이 경제적 방제수준 설정 박석희, 이중환, 심홍식, 권태영, 최성용, 박소득	· 248
P140	Repellency, Insecticidal Activity and Repellency Duration Effect of Dagalet Thyme, <i>Thymus quinquecostatus</i> var. <i>japonica</i> on Asian Tiger Mosquito, <i>Aedes albopictus</i> Young-Uk Park, Sun-Ran Cho, Jin-Won Jeong, Hyun-Na Koo, Changmann Yoon, and Gil-Hah Kim	· 249
P141	Insecticidal Effect of Environment Friendly Agricultural Materials (EFAMs) for <i>Nilaparvata lugens</i> and <i>Cnaphalocrocis medinalis</i> on Rice ······ Chae-Hoon Paik, Geon-Hwi Lee, Si-Hyuk Choi, Tae-Hwan Noh, and Hyeong-Kwon Shim	250
P142	노지고추에서 천적을 이용한 진딧물과 총채벌레의 생물적방제 ······· 변영웅, 김정환, 최만영	· 251

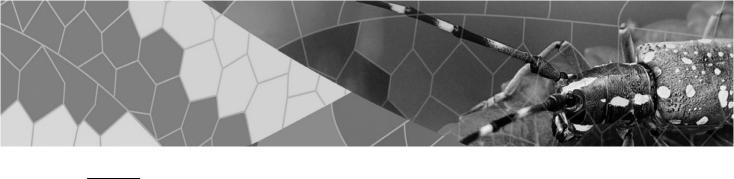


P143	Larvicidal Activity of Plant Essential Oil and Their Constituents against Mushroom Fly <i>Camptomyia corticalis</i> ————————————————————————————————————
P144	포도해충 종합방제체계
P145	식품원료에서의 화랑곡나방(Plodia interpunctella) 냉동방제 ······ 254 여상헌, 천용식, 나자현, 류문일
P146	Insecticidal activity of microcapsulized emulsions and active compounds from plant essential oils against <i>Lycoriella ingenua</i>
P147	Visual Preference of High Power Light Emitting Diodes (HPLEDs) to <i>Bemisia tabaci</i> (Hemiptera: Aleyrodidae)
P148	Phototactic Responses of Various Wavelengths and Light Conditions toward <i>Spodoptera exigua</i> (Hübner)
P149	감귤 응애류에 대한 친환경자재 시험 및 유기인계살충제 저항성 계통 선별 258 오승협, 이평호, 황록연, 현재욱, 김광식
P150	Elongation and Applicaiton of Repellent Effects of Plant Essential Oils with Vanillin to <i>Aedes aegypti</i>
P151	Monitoring of <i>Matsucoccus thunbergianae</i> using moving cross-shaped flat trap ————————————————————————————————————
P152	Insecticidal activities of methanol extracts and compounds from Asiasarum sieboldii against Plutella xylostella and Nilaparvata lugens ······ 261 Gee Young Lee, Ho Seob Soh, Young Hee Han, Hyun Ju Lee, Sung Kee Kim, and Jin-Cheol Kim

KOREAN SOCIETY OF APPLIED ENTOMOLOGY

P153

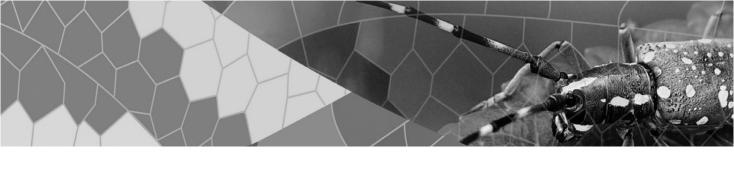
P153	Insecticide susceptibility of <i>Ephemera orientalis</i> (Ephemeroptera: Ephemeridae) and two mosquito species, <i>Anopheles sinensis</i> and <i>Culex pipiens</i> in the Republic of Korea ————————————————————————————————————
P154	Insecticidal activity of <i>Ruta chalepensis</i> leaf-derived component against <i>Sitophilus zeamais</i>
P155	Isolation of an antifeedant compound from tree of heaven, <i>Ailanthus altissima</i> against diamondback moth, <i>Plutella xylostella</i>
P156	Toxicity of C-21233 Isolated from <i>Juglans regia</i> against <i>Sitophilus</i> oryzae (Coleoptera: Curculionidae) adults
P157	Effect of Sublethal Concentration of Flonicamid and Thiamethoxam on the Reproduction and Feeding Behavior of Green Peach Aphid, Myzus persicae ————————————————————————————————————
P158	배추에서 담배거세미나방(Spodoptera litura)의 요방제 수준 설정 267 최덕수, 김도익, 김선곤, 고숙주, 강범용, 김홍재
P159	Effects of Transgenic maize plants expressing <i>Bacillus</i> thuringiensis Cry1F toxin on the non-target insect <i>Rhopalosiphum padi</i> (Hom.,Aphididae) ————————————————————————————————————
>> 기타	
	좌장 : ???
P160	A Novel Serogroup of <i>Bacillus thuringiensis</i> serovar <i>mogi</i> (flagellar serotype 3a3b3d) with Mosquitocidal Activity



P161	Molecular characterization of <i>Autographa californica</i> multiple	070
	nucleopolyhedrovirus ORF43 null mutant	·· 270
P162	Fibrin(ogen)olytic Activity of Bee Venom Serine Protease	· 271
P163	Sequencing and comparison of head louse whole genome sequences with those of body louse genome	·· 272
P164	Maternal genomic imprinting alleviation by <i>Wolbachia</i> infection and the offspring sex in <i>Trichogramma kaykai</i> : A new hypothesis Eunae Ko, Yikweon Jang, and Gilsang Jeong	· 273
P165	Bacillus thuringiensis subsp. aizawai KB098과 acrystalliferous(cry-)의 비교를 통해 cry gene을 암호화하는 plasmid DNA 탐색 ···································	· 274
P166	Isolation and characterization of a highly active β-1,4-mannanase produced by an <i>Eisenia fetida</i> -symbiotic bacterium, Cellulosimicrobium sp. strain HY-13 Do Young Kim, Hyun Ju Lee, Han-Young Cho, Yi-Joon Kim, Dong-Ha Shin, Kwang-Hee Son, and Ho-Yong Park	·· 275
P167	Complete Mitochondrial Genome of the Nerippe fritillary Butterfly, Argynnis nerippe (Lepidoptera: Nymphalidae) Min Jee Kim, Heon Cheon Jeong, Seong Ryeol Kim, and Iksoo Kim	·· 276
P168	Complete Nucleotide Sequence and Organization of the Mitochondrial Genome of Eri-silkworm, <i>Samia cynthia ricini</i> (Lepidoptera: Saturniidae)	·· 277
P169	Comparison of immune responses between body and head lice following bacterial challenge Ju Hyeon Kim, Jee Sun Min, Young Ho Koh, and Si Hyeock Lee	·· 278

KOREAN SOCIETY OF APPLIED ENTOMOLOGY

Byung Uuk Cho, Teak Soon Shin, Keun Ki Kim, Hyun Chul Park, Hong Joo Son, Hong Gu Lee, and Sang Mong Lee	
Molecular Cloning, Expression and Characterizaion of Heat Shock Protein Gene from <i>Paecilomyces tenuipes</i> Jocheon-1 Liu Ya Qi, Nam Sook Park, Han Seok Kang, Seon Ku Kim, Yong Gyun Kim, Byung Uuk Cho, Teak Soon Shin, Keun Ki Kim, Hyun Chul Park, Hong Joo Son, Hong Gu Lee, and Sang Mong Lee	280
Genomic Structure of the Heat Shock Protein88 genes of Paecilomyces tenuipes Jocheon-1, Paecilomyces tenuipes, Cordyceps militaris & Cordycepspruinosa Liu Ya Qi, Nam Sook Park, Han Seok Kang, Seon Ku Kim, Yong Gyun Kim, Byung Uuk Cho, Teak Soon Shin, Keun Ki Kim, Hyun Chul Park, Hong Joo Son, Hong Gu Lee, and Sang Mong Lee	281
P173 부산우단풍뎅이에 의한 복숭아 꽃 피해증상 박석희, 이중환, 이흥식, 권태영, 최성용, 박소득	282
Antimicrobial Activity of Bacteriocins from <i>Bacillus thuringiensis</i> subsp. <i>cameroun</i>	283
Differential Gene Expression Profiles in the Salivary Gland of Ranatra chinensis (Hemiptera: Nepidae) Ji Hyeong Baek, Jae Soon Kang, and Si Hyeock Lee	284
P176 Production and Immunogenicity of Classical Swine Fever Virus Envelope Glycoprotein E2 as Recombinant Polyhedra in Baculovirus-Infected Silkworm Larvae Mi Ri Sohn, Kwang Sik Lee, and Byung Rae Jin	285
The venom composition of the Cambodia wasp <i>Vespa tropica</i> resolved by the analyses of venom gland-specific EST and proteome Jung Hun Oh, Ji Hyeong Baek and Si Hyeock Lee	286



P178	Investigation for Expression of the Porcine Pseudorabies Virus Glycoproteins in Bacteria and Insect Cells
P179	약리반응속도론 모델을 적용한 항바이러스성 생화학 작물보호제의 약효검정 및 작용기전 탐색 기술
P180	Enhanced Expression of the ORF2 Protein of Porcine Circovirus Type2 using Baculovirus ————————————————————————————————————
P181	Efficient Production of Recombinant Protein in HSPs (Heat Shock Porteins) Transgenic Silkworm ————————————————————————————————————