

13일(목) – 곤충분류
(농업생명과학관 102호)

16:10 – 16:25 1. 제주도에서 곤충병원성 선충, <i>Steinernema longicaudum</i> 과 <i>S. monticolum</i> 의 재발견 정영학, 이동운, 추호렬, 박정규, 신창훈
16:25 – 16:40 2. Chimerical nature of the ribosomal RNA gene of a <i>Nosema</i> species Gilsang Jeong, Yonggu Lee, Jonggill Kim, Wontae Kim, Kwanho Park, Youngcheol Choi, Kyoung Sang Cho, Sungwoo Bae and Jiyoun Choi
16:40 – 16:55 3. A Taxonomic Review of the Subfamily Dendrometrinae (Coleoptera, Elateridae) in Korea Taeman HAN, Haechul PARK, Yongbo LEE, and Seunghwan LEE
16:55 – 17:10 4. A new entedonine parasitoid (Hymenoptera: Eulophidae) parasitizing eggs of <i>Pachynematus itoi</i> (Hymenoptera: Tenthredinidae) in South Korea Il-Kwon Kim, Il-Kwon Park, Ji-Doo Park and Sang-Chul Shin
17:10 – 17:30 coffee break
17:30 – 17:45 5. Review of the genus <i>Scolytus</i> and a new record of <i>Scolytus frontalis</i> (Coleoptera: Scolytidae) from Korea Sangwook PARK, Seunghwan LEE and Bong-Kyu BYUN
17:45 – 18:00 6. Study on the molecular identification of Dark-winged fungus gnats (Diptera: Sciaridae) using mitochondrial COI gene Seungkwan Shin, Heungsik Lee and Seunghwan Lee
18:00 – 18:15 7. A new aphid genus <i>Neoaulacorthum</i> (Hemiptera: Aphididae: Macrosiphini), determined by molecular and morphometric analyses Wonhoon Lee and SeunghwanLee

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<p>13:00 – 13:15</p> <p>8. Ancestral Character States and Correlated Evolution of the Flower Bugs (Heteroptera: Anthocoridae) using Bayesian Analysis of Multistates and Discrete Characters</p> <p>Sunghoon Jung, Hyojoong Kim, Kazutaka Yamada, Seunghwan Lee</p>
<p>13:15 – 13:30</p> <p>9. Phylogenetic correlation between DNA and morphology and morphological trait evolution in the species-rich genus <i>Aphis</i> (Hemiptera: Aphididae)</p> <p>Hyojoong Kim and Seunghwan Lee</p>
<p>13:30 – 13:45</p> <p>10. Divergence in calling songs and genetic sequences in three cryptic cricket species (Genus <i>Loxoblemmus</i>) in Korea</p> <p>Jaeha Ahn, Hyojoong Kim and Yikweon Jang</p>
<p>13:45 – 14:00</p> <p>coffee break</p>
<p>14:00 – 14:15</p> <p>11. Description of Two Complete Mitochondrial Genomes of the Endangered Lycaenids, <i>Spindasis takanonis</i> and <i>Protanigius superans</i> (Lepidoptera: Lycaenidae), and Phylogenetic Relationships among Lepidopteran Insects</p> <p>Ah Rang Kang, Min Jee Kim, Heon Cheon Jeong, Ki-Gyoung Kim, and Iksoo Kim</p>
<p>14:15 – 14:30</p> <p>12. Deliberately Unequal Gene Sampling, A Design of Molecular Studies Tested in Lepidoptera</p> <p>Soowon Cho, Andreas Zwick, Jerome Regier, Charles Mitter, Michael Cummings, Jianxiu Yao, Zaile Du, Hong Zhao, Akito Kawahara, Susan Weller, Donald Davis, Joaquin Baixeras, John Brown, and Cynthia Parr</p>

13일(목) – 곤충생리
(농업생명과학관 305호)

<p>16:10 – 16:25</p> <p>1. Identification and Field Bioassays of the Sex Pheromone of <i>Synanthedon haitangvora</i></p> <p>Chang Yeol Yang, Junheon Kim, Taek Jun Kang and Heung Yong Jeon</p>
<p>16:25 – 16:40</p> <p>2. A Sodium-Potassium-Chloride Channel is Involved in Oenocytoid Cell Lysis in Response to PGE2 in <i>Spodoptera exigua</i></p> <p>Sony Shrestha and Yonggyun Kim</p>
<p>16:40 – 16:55</p> <p>3. Host translation inhibitory factor of a polydnavirus discriminates host mRNAs by specific secondary structure of their 5'UTRs</p> <p>Venkata Prasad Surakasi and Yonggyun Kim</p>
<p>16:55 – 17:10</p> <p>4. 복숭아순나방(<i>Grapholita molesta</i>) 방제를 위한 한국형 교미교란제 처리 기술</p> <p>김용균</p>
<p>17:10 – 17:30</p> <p>coffee break</p>
<p>17:30 – 17:45</p> <p>5. A Broad – Complex gene responsible for larval–pupal metamorphosis of the beet armyworm, <i>Spodoptera exigua</i></p> <p>Ji Wan Kim and Yonggyun Kim</p>
<p>17:45 – 18:00</p> <p>6. Transient expression of a putative RNase containing BEN domain encoded in <i>Cotesia plutellae</i> bracovirus induces an immunosuppression of the diamondback moth, <i>Plutella xylostella</i></p> <p>Bokri Park and Yonggyun Kim</p>
<p>18:00 – 18:15</p> <p>7. Antifungal activity of gallerimycin encoded in the beet armyworm, <i>Spodoptera exigua</i></p> <p>Jungah Park and Yonggyun Kim</p>

14일(금) – 곤충생리
(농업생명과학관 305호)

<p>13:00 – 13:15</p> <p>8. A high effective IBC (integral biological control) technique using two entomopathogenic bacterial mixture to control the diamondback moth, <i>Plutella xylostella</i></p> <p>Samyoel Seo and Yonggyun Kim</p>
<p>13:15 – 13:30</p> <p>9. Applicability of CATTS as a postharvest phytosanitation technology against the peach fruit moth, <i>Carposina sasakii</i></p> <p>Yerim Son and Yonggyun Kim</p>
<p>13:30 – 13:45</p> <p>10. Identification of Toll and Imd signals in the hemocytes of <i>Spodoptera exigua</i></p> <p>Jihyeun Hwang and Yonggyun Kim</p>
<p>13:45 – 14:00</p> <p>11. Confusing Aspects in Species Identification for Sex Pheromone Study of <i>Matsumuraeses phaseoli</i> and <i>M. falcana</i></p> <p>Jin Kyo Jung, Bo Yoon Seo, Jum Rae Cho, Chang-Gyu Park, Ki Hong Yum and Yonggyun Kim</p>

13일(목) – 곤충선충, 곤충생태

(농업생명과학관 306호)

16:10 – 16:25

1. Molecular and Biochemical Characterization of Three Acetylcholinesterases from the Pinewood Nematode, *Bursaphelenchus xylophilus*

Jae Soon Kang, Dae Won Lee, Jae Young Choi, Yeon Ho Je, Young Ho Koh and Si Hyeock Lee

16:25 – 16:40

2. A combination of biochemical and proteomic analyses reveals Bx-LEC-1 as an antigenic target for the monoclonal antibody 3-2A7-2H5-D9-F10 specific to the pinewood nematode

Dae-Weon Lee, Jong Bok Seo, A Young Kim, Won Tae Kim, Si Hyeock Lee, Young Ho Koh

16:40 – 16:55

3. 자운영답에서 알팔파바구미 발생생태

이홍수, 권진혁, 정부근, 김태성, 송원두, 노치웅

16:55 – 17:10

4. 제주도 녹차 재배지에서 풍뎡이류에 의한 녹차 피해와 발생 생태

김종주, 정영학, 유주, 추호렬, 이상명, 신창훈, 이동운

17:10 – 17:30

coffee break

17:30 – 17:45

5. Comprehensive soil quality assessment in urban forests using biological indices

Jino Son, Yun-Sik Lee and Kijong Cho

17:45 – 18:00

6. Released eggs of *Riptortus pedestris* (Hemiptera: Alydidae) enhances parasitism in Agakong field

Bishwo P. Mainali and Un Taek Lim

18:00 – 18:15

7. Flower model trap helps to reduce thrips infestation on red pepper in field

Bishwo P. Mainali, Eunmok Kim and Un Taek Lim

14일(금) – 곤충선충, 곤충생태

(농업생명과학관 306호)

<p>13:00 – 13:15</p> <p>9. Frame work of the adaptive population dynamic model of Varroa mite in Korean beekeeping environment</p> <p>Chuleui Jung</p>
<p>13:15 – 13:30</p> <p>10. 상주지역 배 과원에서 복숭아순나방과 복숭아심식나방의 발생 동태</p> <p>김종거, 정철의</p>
<p>13:30 – 13:45</p> <p>11. An ethogram for the pre-reproductive stages of the green peach aphid, <i>Myzus persicae</i></p> <p>Yerim Lee, Hyojoon Kim, Yikweon Jang</p>
<p>13:45 – 14:00</p> <p>coffee break</p>
<p>14:00 – 14:15</p> <p>12. DNA Sequence Variation of the Tobacco Cutworm, <i>Spodoptera litura</i> (Lepidoptera: Noctuidae) Determined by Mitochondrial A+T-rich Region and Nuclear ITS2 Sequences</p> <p>Xinlong Wan, Jianhong Li, Hyung Uk Jeong, Min Jee Kim, Hae Chul Park, Sung Soo Kim, and Iksoo Kim</p>
<p>14:15 – 14:30</p> <p>13. Analysis of DNA Sequence Variation of the Bumblebee, <i>Bombus ignitus</i> (Hymenoptera: Apidae), Based on Mitochondrial COI Gene and Nuclear Ribosomal ITS2 Sequences</p> <p>Hyung Keun Oh, Hyung Joo Yoon, Min Jee Kim, Xinlong Wan, Seong Ryul Kim, Yeon Soo Han, and Iksoo Kim</p>

13일(목) – 해충방제, 위생곤충, 기타
(농업생명과학관 307호)

<p>16:10 – 16:25</p> <p>1. 수출 단감원에서 주요 각지벌레의 수체와 과수원에서 발생과 분포 정부근, 이흥수, 권진혁, 김태성, 송원두</p>
<p>16:25 – 16:40</p> <p>2. 단감원에서 식나무각지벌레의 발육과 방제 정부근, 이흥수, 권진혁, 김태성, 송원두</p>
<p>16:40 – 16:55</p> <p>3. Oral toxicity of symbiotic bacteria <i>Photorhabdus temperata</i> ssp. <i>temperata</i> against immature stages of insects Yam Kumar Shrestha, Jae-Kyoung Shim, Hae-Son Bang, Jae-Ho Shin and Kyeong-Yeoll Lee</p>
<p>16:55 – 17:10</p> <p>4. 여름형과 월동형 점박이용애에 대한 Vapormate의 혼중효과 조진훈, 이병호, 박민구, 장현규, 박정규</p>
<p>17:10 – 17:30</p> <p>coffee break</p>
<p>17:30 – 17:45</p> <p>5. Fumigant antitermitic activity of plant essential oils and components from ajowan (<i>Trachyspermum ammi</i>), allspice (<i>Pimenta dioica</i>), caraway (<i>Carum carvi</i>), dill (<i>Anethum graveolens</i>), geranium (<i>Pelargonium graveolens</i>) and litsea (<i>Litsea cubeba</i>) oils against Japanese termite (<i>Reticulitermes speratus</i> Kolbe) Junheon Kim, Seon-Mi Seo, Eunae Kim, Hwa-Jeong Yeom, Il-Kwon Park, Sang-Chul Shin</p>
<p>17:45 – 18:00</p> <p>6. Larvicidal activity of Myrtaceae essential oils and their components against <i>Aedes aegypti</i>, acute toxicity on the water flea, <i>Daphnia magna</i>, and aqueous residue HYE-MI PARK, JUNHEON KIM, KYU-SIK CHANG, BYUNG-SEOK KIM, YU-JUNG YANG, GIL-HAH KIM, SANG-CHUL SHIN, IL-KWON PARK</p>
<p>18:00 – 18:15</p> <p>7. The efficacy of Bistrifluron UG to control the mosquito, <i>Culex pipiens molestus</i> (Diptera: Culicidae) Y. J. Park, S. Y. Kim, Y. K. Kim, Y. S. Kim, T. J. Kim and Y. C. Kim</p>
<p>18:15 – 18:30</p> <p>8. A point mutation in a glutamate-gated chloride channel confers abamectin resistance in the two-spotted spider mite, <i>Tetranychus urticae</i> Koch Deok Ho Kwon, Kyong Sup Yoon, J. Marshall Clark and Si Hyeock Lee</p>

14일(금) – 해충방제, 위생곤충, 기타

(농업생명과학관 307호)

<p>13:00 – 13:15</p> <p>9. Toxicity of compounds identified in <i>Cnidium officinale</i> Rhizome to <i>Bemisa tabaci</i> (Hemiptera: Aleyrodidae)</p> <p>Song-Hwa Chae, Soon-Il Kim, Si-Woo Lee, and Young-Joon Ahn</p>
<p>13:15 – 13:30</p> <p>10. Vapor Phase Repellency and Toxicity of <i>Zanthoxylum piperitum</i> Pericarp Steam Distillate, <i>Zanthoxylum amartum</i> Seed Oil, and their Constituents to <i>Stomoxys calcitrans</i> Orientation Responses</p> <p>Tran Trung Hieu, Soon-Il Kim, Hyung Wook Kwon, Young-Joon Ahn</p>
<p>13:30 – 13:45</p> <p>11. Larvicidal activity of compounds identified in <i>Pongamia pinnata</i> against <i>Aedes aegypti</i> and <i>Culex pipiens pallens</i></p> <p>Haribalan Perumalsamy, Kadarkarai Murugan and Young-Joon Ahn</p>
<p>13:45 – 14:00</p> <p>coffee break</p>
<p>14:00 – 14:15</p> <p>12. 비타민 A 강화벼의 곤충 및 생물상 변화양상 및 비교</p> <p>박홍현, 김광호, 이상계, 안정준</p>
<p>14:15 – 14:30</p> <p>13. Identification and Characterization of Chlorpyrifos-Methyl degrading <i>Chryseobacterium</i> sp. Strain KR200</p> <p>Jun-Ran Kim and Young-Joon Ahn</p>
<p>14:30 – 14:45</p> <p>14. Easy and Rapid Quantification Method of <i>Plutella xylostella</i> Granulovirus</p> <p>Jae Bang Choi, Tae Young Shin, Sung Min Bae, Hyun-Na Koo and Soo-Dong Woo</p>

14일(금) - 곤충분류 소모임

(농업생명과학관 102호)

15:00 - 15:20 1. Development of microsatellite loci from the soybean aphid, <i>Aphis glycines</i> Matsumura (Hemiptera: Aphididae) Hyojoong Kim, Min-Young Kim, Kim A. Hoelmer and Seunghwan Lee
15:20 - 15:40 2. 산림곤충자원 보호·이용 관리의 장기발전 전략 배양섭·변봉규·이승환·박종균·박규택
15:40 - 16:00 3. The analysis of hexapod mitochondrial sequences for assaying the utility of DNA barcode Wonhoon Lee and SeunghwanLee
16:00 - 16:20 1. Year-Round Production System of the Korean Native Bumblebee <i>Bombus ignitus</i> for Crop Pollination Hyung Joo Yoon

14일(금) - 살충제, 위생해충 소모임

(농업생명과학관 306호)

15:00 - 15:20 1.살충제 등록시험법 김시용
15:20 - 15:40 2.Registrational setbacks in Insecticide Items failed in Reviews Sungwoo Kim, Young-lim Kim, In-Young Lee and Jae-eup Park
15:40 - 16:00 3.Considering Insecticide Resistance to Insecticides Siwoo Lee, Sang-Guei Lee, Chang-Gyu Park, Kwang-Ho Kim, and Hong-Hyun Park
16:00 - 16:20 4.살충제 등록시험 합리적 추진방향 이종섭
16:20 - 16:40 5.나방파리(moth flies)의 생물학적 특징과 방제 양영철