

PROGRAM AT A GLANCE

The information listed herein is correct as at time of printing and subject to change without prior notice.

Day 1

Registration/welcome reception at the Prince George's Park Multi-Purpose Hall

| Time (hrs) | Saturday, 25 June 2005 |
|-------------|-----------------------------|
| 1800 - 2000 | Registration (PGP MPH) |
| 1800 - 2200 | Welcome reception (PGP MPH) |

Day 2

| Time (hrs) | Sunday, 26 June 2005 |
|-------------|---|
| 0830 – 0900 | Registration |
| 0900 – 1030 | Opening & Plenary Session (LT32) |
| 1030 – 1100 | Morning Tea Break |
| 1100 – 1230 | 1A - Host-Pathogen Interactions (SR1&2) |
| | 1B - Fungal Diseases (LT32) |
| | 1C - Viruses and Viral Diseases (DBS Conference Room) |
| | 1D - Biological Control (LT20) |
| | 1E - Integrated Pest Management (SR3&4) |
| 1230 – 1330 | Lunch |
| 1330 – 1500 | 2A - Host-Pathogen Interactions (SR1&2) |
| | 2B - Fungal Diseases (LT32) |
| | 2C - Viruses and Viral Diseases (DBS Conference Room) |
| | 2D - Biological Control (LT20) |
| | 2E - Integrated Pest Management (SR3&4) |
| 1500 - 1530 | Afternoon Tea Break |
| 1530 – 1700 | 3A - Host-Pathogen Interactions (SR1&2) |
| | 3B - Fungal Diseases (LT32) |
| | 3C - Viruses and Viral Diseases (DBS Conference Room) |
| | 3D - Biological Control and Resistance (LT20) |
| | 3E - Integrated Pest Management (SR3&4) |

Day 3

| Time (hrs) | Monday, 27 June 2005 |
|-------------|---|
| 0830 – 0900 | Registration |
| 0900 – 1030 | 4A - Host-Pathogen Interactions (SR1&2) |
| | 4B - Fungal Diseases (LT32) |
| | 4C - Viruses and Viral Diseases (DBS Conference Room) |
| | 4D - Biological Control (LT20) |
| | 4E - Integrated Pest Management (SR3&4) |
| 1030 – 1100 | Morning Tea Break |
| 1100 – 1230 | 5A - Resistance of Plant and Resistance Breeding (SR1&2) |
| | 5B - Fungal Diseases (LT32) |
| | 5C - Viruses and Viral Diseases (DBS Conference Room) |
| | 5D - Biological Control (LT20) |
| | 5E - Epidemiology and Crop Loss Assessment (SR3&4) |
| 1230 – 1330 | Lunch |
| 1330 – 1500 | 6A - Resistance of Plant and Resistance Breeding (LT32) |
| | 6B - Prokaryote Diseases (LT20) |
| | 6C – Postharvest Disease and Mycotoxin; and Nematode Diseases (SR1&2) |
| | 6D - Viruses and Viral Diseases, and Biological Control (DBS Conference Room) |
| | 6E - Epidemiology and Crop Loss Assessment (SR3&4) |
| | Afternoon Tea Break |
| 1500 - 1530 | Poster Session (LS 7B/C) or Visit to Botanic Gardens and Night Safari |

Day 4

| Time (hrs) | Tuesday, 28 June 2005 |
|-------------|--|
| 0830 – 0900 | Registration |
| 0900 – 1030 | 7A - Prokaryote Diseases (LT20) |
| | 7B – Fungal Diseases; and Nematode Diseases (LT32) |
| 1030 – 1100 | Morning Tea Break |
| 1100 - 1200 | Closing Ceremony (LT32) |
| 1200 – 1300 | Lunch |
| 1300 | Farewell |

2nd ACCP 2005 Technical Program

26 June 2005 (Sunday)

Plenary Session

Time: 09:45 – 10:30 hrs

Venue: LT32

Plenary Resistance to Infection and Counter-defense Responses by Cucumber mosaic virus
Peter Palukaitis, Scottish Crop Research Institute, DD2 5DA, UK

11:00 - 12:30 hrs

1A: Host-Pathogen Interactions

Chairs: Yuki ICHINOSE, Zuhua HE

1A-1 Arabidopsis *Asr1* confers cross-talk between SA and auxin signaling for disease resistance and development

Zuhua He, Zhongqin Zhang, Zimiao Li, Qun Li

National Key Laboratory of Plant Molecular Genetics, Institute of Plant Physiology and Ecology, Shanghai Institutes for Biological Sciences, China

1A-2 Bacterial flagella as virulent organelle in *Pseudomonas syringae*

Yuki Ichinose, Fumiko Taguchi, Kasumi Takeuchi, Mizuri Marutani, Ryuji Miki, Yoshishige Inagaki*

*Faculty of Agriculture, Okayama University, Japan; *Genebank, National Institute of Agrobiological Sciences, Japan*

1A-3 Induction of chlorosis, ROS generation and cell death of a novel toxin isolated from *Maganapothe grisea*

Tetsu Tsurushima, Yukari Minami, Masaru Sakamoto*, Hisashi Miyagawa**, Hitoshi Nakayashiki*, Yukio Tosa*, Shigeyuki Mayama**

*Faculty of business; Hannan University, Japan; *Faculty of Agriculture, Kobe University, Japan; **Department of Agricultural Chemistry, Kyoto University, Japan*

1A-4 A *Medicago truncatula*-*Mycosphaerella pinodes* interaction, a new model pathosystem for genetic and molecular dissection of susceptibility to fungal pathogen

Kazuhiro Toyoda

The Plant Pathology Laboratory, Faculty of Agriculture, Okayama University, Japan

1A-5 MAPK cascade modulates plant innate immunity through enhanced gene expression of *rboh* gene

Hirofumi Yoshioka, Chihiro Yamamizo, Shinpei Katou, Kazuhito Kawakita, Akira Kobayashi, Noriyuki Doke*

*Nagoya University, Japan; *Department Upland Agriculture Res., NARCH, Japan*

1A-6 MAP kinase kinase kinase as a positive defense regulator in rice-blast fungus interactions

Nam Soo Jwa

Department of Molecular Biology, Sejong University, Korea

11:00 - 12:30 hrs

1B: Fungal Diseases

Chairs: Abed GERA

1B-1 The biology of *Colletotrichum capsici* infecting chili (*Capsicum annuum*)

Paul Taylor, Kevin Hyde#, Calvin Lam, Rajesh Jeewon*, Chatchamas Kanchana-Udomkan**, Rebecca Ford, Allison Gurang, Kinlay Tshering, Po Po Than#, Edward Grand#, Siriporn Pongsupasamit***, Orarat Mongkolporn***

*BioMarka, School of Agriculture and Food Systems, The University of Melbourne, Victoria, Australia, 3010; *Centre for Research in Fungal Diversity, Department of Ecology & Biodiversity, The University of Hong Kong, Pokfulam Road, Hong Kong;*

***Department of Horticulture, Kasetsart University, Kamphaengsaen Campus, Nakhon Pathom 73140, Thailand;
#Mushroom Research Foundation, PO Box 59, Mae Rim Post Office, Mae Rim, Chiang Mai 50150, Thailand,
***Department of Agronomy, Mae Jo University, Chiang Mai 50290, Thailand*

- 1B-2 A primary study on the risk analysis of *Tilletia indica***
Zhang Jiang-hong, Fang Yuan-wei, Zhang Wan-ping, Liu Ren**
Technology Centre, Xiamen Entry-Exit Inspection & Quarantine Bureau, China; *Huian Luo-Cheng Middle School, Fujian, China; ** Huazhong Agricultural University, China*
- 1B-3 Impact of *Fusarium* infections in Chinese asparagus production**
*Andreas Kofoet
Institute for Vegetable and Ornamental Crops, Germany*
- 1B-4 The effect of temperature, conidial population size and inoculation time on fungal infection of *Fusarium oxysporum* f.sp. *lycopersici* on tomato**
*Arif Wibowo
Faculty of Agriculture, Gadjah Mada University, Indonesia*
- 1B-5 Application of PCR-luminex system for molecular identification of *Fusarium* species causing head blight on wheat**
*Hideo Ishii, Wen-Hsin Chung, Isao Kaneko, Kumiko Nishimura
National Institute for Agro-Environmental Sciences, Japan*

11:00 - 12:30 hrs

1C: Viruses and Viral Diseases

Chairs: Masato IKEGAMI

- 1C-1 Complete nucleotide sequence of watermelon mosaic virus from Pakistan**
*A. Ali, T. Natsuaki, S. Okuda
Faculty of Animal and Plant Production, Plant Virology Lab, Utsunomiya University, Japan*
- 1C-2 Multiplex RT-PCR for simultaneous detection of KGMMV and CGMMV**
*Budi Setiadi Daryono, Petcharat Siriwong**, Keiko T. Natsuaki*
Laboratory of Genetics, Faculty of Biology, Gadjah Mada University, Indonesia
*Laboratory of Tropical Plant Protection, Graduate School of Agriculture, Tokyo University of Agriculture, Japan;
**Department of Plant Pathology, Faculty of Agriculture, Khon Kaen University, Thailand*
- 1C-3 *In vivo* interaction between tobacco mosaic virus RNA-dependent RNA polymerase and host translation elongation factor 1A**
Tadaak Hibii, Y. Yamaji, T. Kobayashi*, K. Hamada*, K. Sakurai*, S. Namba*
Research Institute, Tamagawa University, Japan; *The University of Tokyo, Japan*
- 1C-4 Genome stability of populations of two cucurbit-infecting tobamoviruses during serial passaging in cucumber and zucchini squash hosts**
*Ki Hyun Ryu, Taesung Kim, Byoung Eun Min, Hong Il Ahn, Mi Yeon Lee
Seoul Women University, Korea*
- 1C-5 Sequence analysis of genomic RNA of pepper-infecting chilli veinal mottle virus and pepper veinal mottle virus**
Bo Young Lee, Ju Hee Ha, Gugseon Choi, Ki Hyun Ryu, Min Jeong Rhee, Jang Kyung Choi**
Seoul Women University, Korea; *National Horticultural Research Institute, Korea; **Kangwon National University, Korea*
- 1C-6 Tobacco curly shoot virus DNA beta is not essential for symptom induction and intensifies symptoms in a host-dependent manner**
*Xueping Zhou
Institute of Biotechnology, Zhejiang University, China*

11:00 - 12:30 hrs

1D: Biological Control

Chairs: Mitsuru HYAKUMACHI, Dewen QIU

- 1D-1 Plant activator protein - a new protein from *Alternaria Spp.***
Dewen Qiu
Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences, China
- 1D-2 Biological control of valsa canker of apple, caused by *Valsa mali*, using endophytic fungus *Chaetomium spirale* strain ND35**
Kexiang Gao, Bangling He, Xiaoguang Liu*, Chao Li**, Qinghua Wang**, Zhensheng Kang*
*Northwest Sci-Tech University of Agriculture and Forestry, China; *Shandong Agricultural University, China; **Guanghuasi Tree Farm in Mountain Culai of Taian City, China*
- 1D-3 Identification and characterization of quorum-sensing system in biocontrol agent *Pseudomonas fluorescens* 2P24**
Hai-Lei Wei, Li-Qun Zhang, Wen-Hua Tang
Department of Plant Pathology, China Agricultural University, China
- 1D-4 Interaction between arbuscular mycorrhizal fungus *glomus mossae* and plant growth promoting fungus *Phoma sp.* on induction of systemic resistance in cucumber plants against anthracnose caused by *Colletotrichum orbiculare***
Chandanie Wedippuli Arachchige, Mayumi Kubota, Mitsuru Hyakumachi
Laboratory of Plant Pathology, Faculty of Applied Biological Sciences, Gifu University, Japan
- 1D-5 Evaluation of antifungal activity of *Cicer arietinum* L.**
Tehmina Anjum Vaseer
Department of Mycology & Plant Pathology, University of the Punjab, Pakistan
- 1D-6 Heat treatment induces tolerance in pineapple (*Ananas comosus*) to internal browning during cold storage**
Darshani Weerahewa, N K B Adikaram*
Department of Botany, University of Peradeniya, Peradeniya, Sri Lanka
**Department of Applied Biology, Faculty of Applied Sciences, Rajarata University of Sri Lanka, Sri Lanka.*

11:00 - 12:30 hrs

1E: Integrated Pest Management

Chairs: Shinzo KOIZUMI

- 1E-1 Commercial development of *Trichoderma* species for control of soil-borne vegetable diseases and their integration into standard crop management practices**
Alison Stewart, Kirstin L. McLean*, John S. Hunt***
**National Centre for Advanced Bio-Protection Technologies, Lincoln University, New Zealand;*
***Agrimm Technologies Ltd, New Zealand*
- 1E-2 Field evaluation of Agri-Terra® on soil nematofauna in an intensive monocropping system in Spain**
Alfonso Navas, Miguel Talavera, Inocencio Blanco**, Brook Murphy****
*Museo Nacional de Ciencias Naturales. CSIC, Spain; *Server d'agricultura. C/ Foners 10, 07006 Palma de Mallorca, Spain, **CETAEX, Villafranco del Guadiana, Spain; ***Cal-Agri Producs., USA*
- 1E-3 Perspectives on chemical disease control in Asian agriculture**
Susan C. Knight, Ulrich Gisi**, Jeremy R. Godwin***
**Syngenta Asia Pacific Pte. Ltd., Singapore;*
***Syngenta Crop Protection AG, Research Biology, Switzerland*
- 1E-4 Management of collar rot of chickpea (*Cicer arietinum*) by *Trichoderma harzianum* and plant growth promoting rhizobacteria: a case study**
S. Maurya, D. P. Singh, U. P. Singh and J. S. Srivastava

Department of Mycology and Plant Pathology, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi-221005 India

1E-5 Transgenic crops: Environmental risk assessment and current status in the Philippines

Vivencio R. Mamaril, Bureau of Plant Industry-Biotechnology Core Team, Bureau of Plant Industry, San Andres, Malate, Manila, Philippines

13:30 - 15:00 hrs

2A: Host-Pathogen Interactions

Chairs: Weidong CHEN, Hirofumi YOSHIOKA

2A-1 Genome-wide dissection of DSF signaling network in *Xanthomonas campestris* pv. *campestris*

Ya-Wen He, Min Xu, Qui Lin*, Lian-Hui Zhang

Institute of Molecular and Cell Biology, Singapore; *College of Life Science, Beijing Normal University, China

2A-2 Arms race between host and pathogen: a case study of *Ascochyta* blight of chickpea

Weidong Chen, Fred Muehlbauer

USDA-ARS, Grain Legume Genetics and Physiology Research Unit, USA

2A-3 Involvement of NO in plant defense responses and role of nitrate reductase in NO production

Kazuhito Kawakita, Ayako Yamamoto, Shuhei Saito, Shinpei Katou, Hirofumi Yoshioka, Noriyuki Doke
Graduate School of Bioagricultural Sciences, Nagoya University, Japan

2A-4 Gene expression in early stages of giant cells induced by root-knot nematodes: laser capture microdissection and its potential

Zhaohui Wang, Kerry Ramsay, Michael G. K. Jones

Plant Biotechnology Research Group, Western Australian State Agricultural Biotechnology Center (SABC), Murdoch University, Australia

2A-5 Molecular genetics study in China on the infection process of *Magnaporthe grisea*

You-Liang Peng, Xiaoyan Zhao, Shengli Ding, Junli Huang, Maohua Li, Weixiang Wang, Suxia Ma

Department of Plant Pathology, China Agricultural University, China

13:30 - 15:00 hrs

2B: Fungal Diseases

Chairs: Yasuyuki KUBO, S. Sarwar ALAM

2B-1 Evaluation of phenotypic and molecular criteria for the identification of *Colletotrichum* species causing pepper anthracnose in Taiwan

Zong-ming Sheu, Tien-cheng Wang

AVRDC-The World Vegetable Center, Taiwan

2B-2 Biology and control of late season bunch rots of grapes in sub-tropical vineyards of Australia

Christopher Charles Steel, Lindsay Greer, Sandra Savocchia

National Wine and Grape Industry Centre, Australia

2B-3 Early diagnosis and management of *Ganoderma* infected coconut palms

M. Karthikeyan, R. Bhaskaran, R. Samiyappan*

Department of Plant Pathology, Agricultural College and Research Institute, Tamil Nadu Agricultural University Madurai, India; *Centre for Plant Protection Studies, Department of Plant Pathology, Tamil Nadu Agricultural University, India

2B-4 Etiology of Pokkah-Boeng Disease of Sugarcane in Khuzestan Province, Iran

Korosh Taherkhani, R Farrokhinejad*, A Alizadeh*, A Sharifi Tehrani*

Sugarcane Research Center, Iran; *Plant Protection Department, College of Agriculture, Shahid Chamran Univ., Iran

2B-5 *Agrobacterium tumefaciens*-mediated transformation of *Leptosphaeria maculans* and characterizations of the transformants

Ligang Zhou, Ligang Zhou, Françoise Blaise, Michel Meyer*, Marie-Hélène Balesdent*, Thierry Rouxel**
*College of Agronomy and Biotechnology, China Agricultural University, China; *INRA-PMDV, France*

13:30 - 15:00 hrs

2C: Viruses and Viral Diseases

Chairs: Ichiro UYEDA, Ching-Ang ONG

2C-1 Molecular identification of freesia mosaic virus and sequence comparison of potyviruses from freesia

Bo Young Lee, Hee Rae Lim, Jang Kyung Choi, Ki Hyun Ryu, Minjea Kim*
*Seoul Women University, Korea; *Kangwon National University, Korea*

2C-2 Use of superparamagnetic beads for the isolation of peptides with specificity for cymbidium mosaic virus (CymMV)

Diana Ooi Jia Min, Rofina Yasmin Othman, Lim Saw Hoon & Jennifer Ann Harikrishna*
*Biotechnology Program, Malaysia University of Science and Technology, Malaysia; *Institute of Biological Sciences, University of Malaya, Malaysia*

2C-3 Genetic diversity of banana streak virus (BSV), a plant pararetrovirus, in Mauritius

*Yasmina Jaufeerally-Fakim, A. Khorugdharry, Glyn Harper**
*Faculty of Agriculture, University of Mauritius, Mauritius; *Department of Disease and Stress Biology, John Innes Centre, UK*

2C-4 Identification and molecular characterization of some syrian isolates of potato virus Y

Mohamad Chikh Ali, Katsumi Katayama, Tetsuo Maoka**, Keiko T. Natsuaki****
General Organization for Seed Multiplication (GOSM), Syria / Tokyo University of Agriculture (TUA), Japan;
**Japan International Cooperation Agency (JICA), Japan;*
***National Agriculture Research Center for Hokkaido Region (NARCH), Japan; ***Tokyo University of Agriculture (TUA), Japan*

2C-5 Molecular diversity of pineapple mealybug wilt associated closteroviruses in pineapple

D.M. Sether, M.J. Melzer, J.L. Busto, J.S. Hu
University of Hawaii, Department of Plant Protection and Environmental Protection Science, USA

2C-6 Distinct species and recombinant of begomoviruses on tomato showing leaf curl symptoms in Indonesia

Sukanto Sukanto, Tatsuya Kon, Sri H. Hidayat, Shu Hase, Hideki Takahashi, Masato Ikegami*
Department of Life Science, Graduate School of Agricultural Science, Tohoku University, Japan;
**Department of Pests and Disease, Faculty of Agriculture, Bogor Agricultural University, Indonesia*

13:30 - 15:00 hrs

2D: Biological Control

Chairs: Somsiri SANGCHOTE

2D-1 Potential roles of *Bacillus firmus* KPS46 filtrates and its secondary metabolites in controlling soybean bacterial pustule

Sutruedee Prathuangwong, Ratchadawan Detmanee, Supot Kasem
Department of Plant Pathology, Faculty of Agriculture, Kasetsart University, Thailand

2D-2 Salicylic acid and jasmonate/ethylene pathways are activated in *Arabidopsis* leading to induction of systemic resistance mediated by culture filtrates of plant growth promoting fungus (PGPF) *Penicillium* spp.

Md. Motaher Hossain, Sultana Farjana, Kubota Mayumi, Hyakumachi Mitsuro
Faculty of Applied Biological Sciences, Gifu University, Japan

2D-3 Transformation of *Coniothyrium minitans*, a parasite of *Sclerotinia sclerotiorum*, with *Agrobacterium tumefaciens*

Moxiao Li, **, Xiaoyan Gong*, **, Daohong Jiang*, **, Yanping Fu*, Guoqing Li, Mingsheng Hou**
**Plant Pathology, College of Plant Science and Technology, Huazhong Agricultural University, China;*

***National Key Lab of Agriculture Microbiology, Huazhong Agricultural University, China*

2D-4 Biocontrol potential of a bacterial strain NCD-2 against cotton *Verticillium* wilt in China

*Ping Ma, She-zeng Li, Xiu-yun Lu, Jianhui An, Sheng-guo Gao
Plant Protection Institute, Hebei Academy of Agricultural and Forestry Sciences, China*

13:30 - 15:00 hrs

2E: Integrated Pest Management

Chairs: Vasmialla CELIA, Md. Khurshed Alam BUIYAN

2E-1 Yield and Quality Benefits associated with the Use of Fungicides in Rice

Fei Ling, Ardi Suriamidhardja**, Iskandar Zulkarnain**, Susan Knight****

**Syngenta Crop Protection, R&D Lembang, Indonesia;*

***Syngenta Crop Protection, R&D Cikampek, Indonesia;*

****Syngenta Asia Pacific Pte. Ltd., Singapore*

2E-2 Achievements in disease free seed production of wheat in Punjab (India)

R. C. Sharma, I. Sharma, J. S. Samra

Seed Technology Center, PAU, India

2E-3 Forecasting weather dependent diseases of crops in Indian arid region

Satish Lodha, R. S. Singh

Central Arid Zone Research Institute, India

2E-4 Integrated approach to control foot and root rot disease of soybean caused by *Sclerotium rolfsii*

*Md. Khurshed Alam Bhuiyan, M. Z. Hasnat**

Department of Plant Pathology, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh

15:30 - 17:00 hrs

3A: Host-Pathogen Interaction

Chairs: You-Liang Peng, Keiko NATSUAKI

3A-1 A putative transcriptional regulator *MstuA* involved in control of fungal development in the rice blast fungus

****Magnaporthe grisea****

Marie Nishimura, Junji Fukada, Nagao Hayashi

National Institute of Agrobiological Sciences, Japan

3A-2 A single recessive gene in a rice lesion mimic mutant confers enhanced resistance to rice blast and sheath blight diseases

Zhonghua Wang, **, Yulin Jia***

**Institute of Biotechnology, Zhejiang Wanli University, China*

***USDA-ARS Dale Bumpers National Rice Research Center, Stuttgart*

3A-3 A novel resistance gene specifically induced in the presence of the type III effector

Zhongchao Yin, Dongsheng Tian, Bing Yang, Lifang Wu, Keyu Gu, Chellamma Sreekala, Fan Yang*, Zhaoqing Chu, and Frank White**

Temasek Life Sciences Laboratory, National University of Singapore, Singapore

**Department of Plant Pathology, Kansas State University, Manhattan, Kansas*

3A-4 Interaction of *Fusarium oxysporum* F.SP. *lycopersici* and *Meloidogyne javanica* and biochemical changes in tomato defense mechanisms

Seyed Javad Zad

Plant Pathology Department, Colleg of Agriculture, Tehran University, Iran

3A-5 Wide spread metabolic perturbation in *Arabidopsis thaliana* due to expression of a phenylpropanoid oxidoreductase from *Pseudomonas putida*

Sheela Reuben, Bhinu VS Pillai, Amrith Rodrigues, Sanjay Swarup.

Plant- microbe Interaction Laboratory

Department of Biological Sciences
National University of Singapore, Singapore

- 3A-6 Comparative and functional genomic analyses for the pathogenicity of phytopathogen *Xanthomonas campestris* pv. *campestris***
Qian Wei, Chaozu He
Institute of Microbiology, Chinese Academy of Sciences, China

15:30 - 17:00 hrs

3B: Fungal Diseases

Chairs: S. Manjula, Changling LIU

- 3B-1 Early blight of tomato - a status report from India**
Girija Ganeshan
Vegetable pathology lab, Division of Plant pathology, Indian Institute of Horticultural Research, Bangalore, India
- 3B-2 Control of bakanae/foot-rot (*Fusarium moniliforme*) disease of Basmati rice by seedling treatment with fungicides in India**
Paramjit Bagga
Punjab Agricultural University, Regional Research Station, India
- 3B-3 Design, synthesis, and fungicidal activity of novel benzopyran-2-one derivatives**
Changling Liu, Zhengming Li*
Shenyang Research Institute of Chemical Industry, China; *Nankai Uni.
- 3B-4 Studies on genetics of mating system in *Tilletia indica* a causal organism of karnal bunt of wheat**
Asmita Sirari, Indu Sharma, Sehgal SK, Bains NS, Sukhwinder Singh*, Bowden RL*
Punjab Agricultural University, India; *Kansas State University, USA

15:30 - 17:00 hrs

3C: Viruses and Viral Diseases

Chairs: Tomohide NATSUAKI, Xueping ZHOU

- 3C-1 Two DNA beta molecules associated with tomato leaf curl Java virus and differing in symptom induction**
Masato Ikegami, Tatsuya Kon*, Sri H. Hidayat**, Shu Hase*, Hideki Takahashi*
Tohoku University, Japan; *Department of Life Science, Graduate School of Agricultural Science, Tohoku University, Japan; **Department of Plant Pests and Diseases, Faculty of Agriculture, Bogor Agricultural University, Indonesia
- 3C-2 Barley yellow dwarf virus GPV isolate sequencing and transgenic wheat obtained via pollen tube pathway**
Z.M. Cheng, M.S. Wu, L. Xu, T.G. Liu, X.Y. He, C.C. Chen, J. Li, H. Xiao, G.H. Zhou
Institute of Plant Protection, CAAS, China
- 3C-3 *In vitro* transcription of WYMV full-length genomic cDNAs and infection of wheat cells from cultured calli**
Jiahong Dong, Yafeng Zhai, Chenggui Han, Dawei Li, Jialin Yu
State Key Laboratory for Agrobiotechnology; Department of Plant Pathology, China Agricultural University, China
- 3C-4 Interaction between Rice Dwarf Virus P2 Protein and Rice ent-Kaurene Oxidase and Its Role in Rice Dwarf Symptom Development**
Shifeng Zhu, Xuesong Cao, Mao Chen, Yongwang Zhong, Feng Gao, Gongyin Ye, Chunhong Wei and Yi Li*
Peking-Yale Joint Center for Plant Molecular Genetics and Agrobiotechnology, National Laboratory of Protein Engineering and Plant Genetic Engineering, College of Life Science, Peking University, Beijing, 100871, China

15:30 - 17:00 hrs

3D: Biological Control and Resistance

Chairs: Alison STEWART, Kimiharu INAGAKI

3D-1 Bio-control of soil borne diseases of apple nurseries

Sudesh Sharma, Anita Sharma

Dr Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan(HP), Department of Mycology and Plant Pathology, India

3D-2 Biological stimulation of phytoalexin synthesis, as an approach for controlling anthracnose disease in aubergine

Chandranatha Mahendranathan

Eastern University, Department of Botany, Sri Lanka

3D-3 dsRNA-mediated transgenic maize plants resistant to SCMV

Guoying Wang, Yunfeng Bai, Jun Zheng, Jinfeng Zhao, Jinpeng Zhang, Guoying Wang

State Key Laboratory of Agrobiotechnology, China Agricultural University, China; Institute of Crop Genetics, Shanxi Academy of Agricultural Sciences, China

15:30 - 17:00 hrs

3E: Integrated Pest Management

Chairs: Hideo ISHII, Robert J. MCGOVERN

3E-1 Resistance to dimethomorph, azoxystrobin and metalaxyl in *Pseudoperonospora cubensis* on cucumber and *Plasmopara viticola* on grapevines and delaying development of resistance to metalaxy and azoxystrobin in *P. cubensis*

Wenqiao Wang, Xiaofeng Zhang, Xiuying Han, Zhiqiang Ma, Hongxia Li, Lijuan Kang

Plant Protection Institute, Hebei Academy of Agricultural & Forestry Sciences, China

3E-2 Effects of neem leaves powder on groundnuts termites, *Microtermes thoracolis* and white-gurbs, *Phyllophaga crinita* and on yield in Gedarif State

El Nayer H. Suliman, El amin M. El amin

(Research Entomologists), Crop Protection Research Centre, Agricultural Research Corporation, Sudan

27 June 2005 (Monday)

09:00 - 10:30 hrs

4A: Host-Pathogen Interactions

Chairs: Nam Soo JWA, Shinji TSUYUMU

4A-1 Detection, transmission, and distribution of huanglongbing pathogen in the host plant and the *psyllid* vector*

Achmad Himawan, Siti Subandiyah, Paul Holford, Y. Andi Trisyono, YB. Sumardiyono, Susanto Somowiyarjo, Andrew Beattie**

Department of Entomology and Plant Pathology, Faculty of Agriculture, Gadjah Mada University, Indonesia;

**Center for Horticulture and Plant Sciences, University of Western Sydney, Australia*

#Research founded by ACIAR project CS02/2000/043

4A-2 Appressoria of *clssd1* mutants of *Colletotrichum lagenarium* retain ability for physical penetration, but show defectiveness in host infection

Yasuyuki Kubo

Laboratory of Plant Pathology, Faculty of Agriculture, Kyoto Prefectural University, Japan

4A-3 Cytochemical studies of adhesion and penetration of rhizomorphs of *Armillariella mellea* in plant tissues *in vitro* by light and electron microscopy

B.Sh.Behboodi

Faculty of Science, Department of Biology, University of Tehran, Iran

4A-4 Occurrence of Brown Spot Disease of Page Mandarin in Iran

Morteza Golmohammadi, H.Taheri, Y.Mohammad Alyian, M.Faghinasiri

Iran Citrus Research Institute, Iran

09:00 - 10:30 hrs

4B: Fungal Diseases

Chairs: Marie NISHIMURA, Shin-ichiro ITO

4B-1 Phytotoxins in plant diseases with special reference to chickpea

S. Sarwar Alam, R. N. Strange, I. A. Khan, M. A. Haq*

*Nuclear Institute for Agriculture and Biology, Pakistan; *University College London, UK*

4B-2 Studies on cotton cultivars slower *Verticillium* wilt

Gui-liang Jian, Mei-guang Lu, Can-zhu Wang

Institute of Plant Protection, CAAS, China

4B-3 Ultrastructure and molecular cytology on interaction between wheat and *Fusarium graminearum*

Zhensheng Kang, Lili Huang

Plant Protection College, Northwest Sci-Tech University of Agriculture and Forestry, China

09:00 - 10:30 hrs

4C: Viruses and Viral Diseases

Chairs: Yi LI, John HU

4C-1 DNA heteroduplex mobility assay (HMA) as a simple method for defining phytoplasmas at the subgroup level

*Chuji Hiruki, Wang Keri**

*Department of Agricultural, Food and Nutritional Science, Faculty of Agriculture, Forestry, and Home Economics, University of Alberta, Canada and Plant Biology Division, The Samuel Roberts Noble Foundation, USA**

4C-2 Widespread occurrence of sugarcane streak mosaic virus infecting sugarcane crops of India

G.P. Rao, M. Chatenet, J.C. Girard*, P. Rott**

Sugarcane Research Station, India

**UMR 385, CIRAD-ENSAM-INRA Biologie et Genetique des Interactions en Recherche Agronomie pour le Developpement Campus International de Baillarguet, France*

4C-3 Production of virus-free potato plantlets through tissue culture

M. S. Patil, Devaraju

Department of Plant Pathology, Agricultural College, UAS, India

4C-4 Identification and sequence of the virus associated with a disease in Luohanguo in Guangxi Province of China

Yongmei Liao

Guangxi University, China

09:00 - 10:30 hrs

4D: Biological Control

Chairs: Ping MA, Nimal ADIKARAM

4D-1 A novel technique to produce disease-resistant tissue-cultured seedlings of Ericacea plants using endophytic actinomycetes

Masafumi Shimizu, Sachiko Hasegawa*, Akane Meguro*, Tomio Nishimura*, Tomoko Suzuki, Hitoshi Kunoh*
Faculty of Bioresources, Mie University, Japan; *Institute of Biological Process Research, Akatsuka Orchid Co. Ltd., Japan

4D-2 Advances in the studies and applications on Bacilli of agriculture in China

Qi Wang
Department of Plant Pathology, China Agricultural University, China

4D-3 Plant clinic in diagnosis & control of plant diseases - an Asian perspective

M. P. Srivastava
Formerly Professor of Plant Pathology, CCS Haryana Agricultural University, Hisar, India; Present Address: F-44 (FF) Tulip Garden, Sector-56, Gurgaon-122 003, India

4D-4 Biological control efficacy of several microorganisms against *Fusarium* head blight and mycotoxin contamination in wheat

Shinzo Koizumi, Nobuko Yasuda, Iori Imazaki, Minako Imazeki*, Atsushi Miyasaka
National Agricultural Research Center, Japan, *Miyagi Prefectural Plant Protection Office, Japan

11:00 - 12:30 hrs

5A: Resistance of Plant and Resistance Breeding

Chairs: Kazuhiro TOYODA, PARK Hyo Guen

5A-1 Development of SSR markers linked to *Pm6* gene for resistance to powdery mildew in wheat

Hongyan Liu, J.M Wang*, H.X. Xu**, Y.B. Zhi***, F.Wang, Y.L. Song
Institute of Plant Protection, Henan Academy of Agricultural Sciences, China; *Northwest Science & Technology University of Agriculture and Forestry, China; **School of Life Science, Henan University, China; ***Henan Key Lab for Crop Improvement, China, Institute of Plant Protection, Henan Academy of Agricultural Sciences, China

5A-2 Development of pepper varieties resistant to anthracnose through interspecific hybridization between *Capsicum annuum* and *C. baccatum*

Hyo Guen Park, Yoon Jae Bok, Yang Dong Chul, Park Sang Geun
Seoul National University, Korea

5A-3 Suppression subtractive hybridization (SSH) for identification of differentially expressed defense related genes in *Piper colubrinum* link

Manjula S. J. Dicto
Rajiv Gandhi Centre for Biotechnology, India

5A-4 Tagging of Lr45 in wheat leaf rust resistance near-isogenic lines based on SSR

Wenxiang Yang, Yaning Li, Na Zhang, Da-qun Liu
Department of Plant Protection, Agricultural University of Hebei, Biological Control Centre of Plant Disease and Plant Pests of Hebei Province, China

5A-5 Pre-Treatment of tobacco with hydrogen peroxide up-regulates antioxidants and protects from oxidative stress caused by pathogen infections

Z. Király, Y. M. Hafez, J. Fodor
Plant Protection Institute, Hungarian Academy of Sciences, Hungary

11:00 - 12:30 hrs

5B: Fungal Diseases

Chairs: Baoshan CHEN, Paul TAYLOR

5B-1 A First Report on the occurrence of Phytophthora Blight caused by *Phytophthora capsici* Leonian in Mauritius

V. Vally, SP Benimadhu

Agricultural Research and Extension Unit, Plant Pathology Division, Mauritius

5B-3 Assessment of genetic diversity among sheath blight causing agent *Rhizoctonia solani* (AGI-IA), in Golestan Province of Iran using pectin zymogram marker

M. Kowsari, B. Ghareyazie, G R Balali*

Agricultural Biotechnology Research Institute of Iran,

*Department of Biology, Isfahan University, Iran

11:00 - 12:30 hrs

5C: Viruses and Viral Diseases

Chairs: K. H. RYU, H. T. HSU

5C-1 Occurrence, distribution and relative incidence of viruses infecting tomato in the Southeast and Central of Iran

H. Massumi**, A. Hosseini pour**, J. Hydarnejade**, A. Sheibani**

*Department of Environmental Science, International Center for Sciences High Technology and Environmental Science, Iran

**Department of Plant Pathology, College of Agriculture, University of Shahid Bahonar Kerman, Iran

5C-2 Determinants of host specificity and movement of cucumber mosaic virus on wild and cultivated soybeans and molecular evolution and adaptation

Jin Sung Hong, Chikara Masuta*, Jang Kyung Choi**, Ki Hyun Ryu***

Seoul Women's University, Korea, *Graduate School of Agriculture, Hokkaido University, Japan, **Division of Biological Environment, Kangwon National University, Korea, ***Plant Virus GenBank, PVGABC, Division of Life and Environmental Sciences, Seoul Women's University, Korea

5C-3 Molecular evidence supporting the confirmation of Maracuja mosaic virus as a definite Tobamovirus

Ki Hyun Ryu, Yeon Sook Song, Byoung Eun Min, Mi Yeon Lee

Seoul Women University, Korea

5C-4 Detection and characterization of a turnip mosaic virus (TuMV) causing mosaic disease on radish (*Rhapanus sativus*) in Indonesia

Gede Suastika, Firdaus, Sri Hendrastuti Hidayat, Keiko T. Natsuaki*

Department of Plant Pests and Diseases, Faculty of Agriculture, Bogor Agricultural University, Indonesia;

**Department of International Agricultural Development, Tokyo University of Agriculture, Japan

5C-5 Detection and classification of potyviruses causing mosaic disease of sugarcane in Iran using molecular approaches

Sasan Ghasemi, F. Wright*, L. Torrance*, K. Izadpanah**

Azad Islamic University, Iran; *Scottish crop Research Institute, Scotland, UK; **Plant Protection Department College of Agriculture, Shiraz University, Iran

5C-6 Biological and molecular characterization of wisteria vein mosaic virus-Beijing isolate

Zaifeng Fan, W. X. Liang, L. M. Song, X. S. Guo, G. Z. Tian*, H. F. Li

Department of Plant Pathology, China Agricultural University, China; *Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry, China

11:00 - 12:30 hrs

5E: Epidemiology and Crop Loss Assessment

Chairs: Zejian GUO, Noriyuki DOKE

5E-1 Soil factors associated with the disease status, productivity and sustainability of carrot production in Australia

Hoong Pung, Jason Olsen*, Bill Cotching**, Phillip Moody***, Marcele Stirling****, Clive Pankhurst*****
Serve-Ag Research, Australia; *Queensland Department of Primary Industries, Australia; **Tasmanian Department of Primary Industries, Australia; ***Natural Resource Sciences, Australia; ****Biological Crop Protection, Australia; *****CSIRO Land and Water, Australia

5E-2 Temperature, humidity and leaf wetness influence the infection of paulownia leaves by *Alternaria alternata*

Kirsty Bayliss, Catherine E. Pleyzier, Giles E. St.J. Hardy
Murdoch University, Australia

5E-3 Integration of biological and weather parameters of apple scab disease forecasting and integrated management in India

Vijay Thakur, Xiangming Xu*
Regional Horticultural Research Station, Shimla, India; *East Malling Research, UK

5E-4 Seed borne and transmission of *Bipolaris oryzae*, the causal pathogen of brown spot of rice

Somsiri Sangchote
Kasetsart University, Thailand

5E-5 Climatic analysis to define the over-wintering region of soybean rust in China

Z.D. Zhang, Z.H. Ma, H.G. Wang, X.B. Yang*, Y.X. Wang**, J. Chen***
Department of Plant Pathology, China Agricultural University, China; *Department of Plant Pathology, Iowa State University, Ames, Iowa, USA; **Institute of Plant Protection, Yunnan Academy of Agricultural Science, China; ***Station of Plant Protection, Jingdong County, Yunnan Province, China

13:30 - 15:00 hrs

6A: Resistance of Plant and Resistance Breeding

Chairs: Zaohui WANG, Ya Wen HE

6A-1 Inheritance of resistance to wheat streak mosaic virus in two bread wheat lines

M.T. Assad Moh
Agronomy Department, College of Agriculture, Shiraz University, Iran

6A-2 Overexpression of OPBP1 enhances disease resistance and salt tolerance in tobacco

Ze-jian Guo* and Xu-jun Chen**,**
*Department of Plant Pathology, China Agricultural University, China;
**Institute of Biotechnology, Zhejiang University, China

6A-3 The cloning and functional analysis of a RNA virus host factor gene ToTOM3 from tomato

Jiaorong Meng, Baoshan Chen
Guangxi Key Laboratory of Subtropical Bioresource Conservation and Utilization, Guangxi University, China

6A-4 A single Mendelian gene other than reductase genes determine tricyclazole-resistance in *Magnaporthe grisea*

Chuan-qing Zhang, Ming-guo Zhou
College of Plant Protection, Nanjing Agriculture University, China

13:30 - 15:00 hrs

6B: Prokaryote Diseases

Chairs: Hisatoshi KAKU

6B-1 A regulatory protein controls negatively hyperinduction of pectate lyase in *Erwinia chrysanthemi*

Tri Joko, Masahiro Umehara*, Shinji Tsuyumu*

The United Graduate School of Agricultural Science, Gifu University (Shizuoka University), Japan; *Faculty of Agriculture, Shizuoka University, Japan

6B-2 Characterization of isolates of *Ralstonia solanacearum* from Iran

*J. Razmi, N.Hasanzadeh, A. Ghasemi**

Department of Plant Pathology, Faculty of Agriculture, Science and Research Campus, Islamic Azad University, Iran;

**Plant Pests and Diseases Research Institute, Iran*

6B-3 Phyllosphere bacteria of *Xa21* transgenic rice

Jia-jian Xie, Xi-feng Wang, Yu-fa Peng

Institute of Plant Protection, Chinese Academy of Agricultural Sciences, China

6B-4 Molecular studies of *Xanthomonas axonopodis* pv *dieffenbachiae*, the pathogen causing *Anthurium* blight

Khoodoo M. H. R., F. Sahin and Jaufeerally-Fakim Y.*

Biotechnology Unit, Faculty of Agriculture, University of Mauritius, Reduit, Mauritius

** Department of Plant Protection, Faculty of Agriculture, Ataturk University, 25240 Erzurum, Turkey*

6B-5 Purification and serology of sugarcane and bermuda grass white leaf Phytoplasmas in South of Iran

Roya Biabani, S. Ghasemi, M. Salehi, N. HasanZadeh**, H. Rahimian****

*Sugarcane Research Center, Iran; *Agriculture Research Center of Fars, Iran; **Azad Islamic University, Iran,*

****Plant Protection Department, College of Agriculture, Mazandaran Univ., Iran*

6B-6 Antagonistic activity against 4 main plant pathogens of different soil actinomycetes isolates from 6 provinces in China

Hongjian Zhu, Tuyong Yi, Bida Gao

College of Bio-safety Science and Technology, Hunan Agricultural University, China

13:30 - 15:00 hrs

6C: Postharvest Diseases and Mycotoxin; and Nematode Diseases

Chairs: Kazuya AKIMITSU, Jian Qiang LI

6C-1 The inhibitory effect of *Pichia Anomala* SKM-T on the growth of *Botrytis cinerea* in the post-harvest storage of strawberries (*Fragaria × ananassa* Duche, Red-Pearl)

Eun Kyoung Mo, Chang Keun Sung

DBIO Incorporation, Korea

6C-2 Chemical management of nematodes in Louisiana: 2000-2004 field and microplot trials with cotton, soybean, sugarcane, rice and assorted vegetables

Edward McGawley

LSU AgCenter Nematology Project, Department Plant Path. & Crop Physiol., United States

6C-3 Impact of tomato resistant rootstock on root-knot nematodes, community composition and biodiversity of soil nematodes in greenhouse

Zhiping Cao, Yunfeng Chen

Department of Ecology, China Agricultural University, China

13:30 - 15:00 hrs

6D: Viruses and Viral Diseases and Biological Control

Chair: Zaifeng FAN

6D-1 Characterization of resistance of pea lines PI 347295, PI 378159 to clover yellow vein virus

Ichiro Uyeda, Marcello Andrade, Yosuke Abe, Kenji Nakahara, Masanao Sato, Leonora M. Yambao

Graduate School of Agriculture, Hokkaido University, Japan

6D-2 Natural hosts, vector and molecular detection of beet curly top virus (BCTV) in Southeast of Iran

*E. Hosseini Abhari, J. Heydarnejad, H. Massumi, A. Hosseini Pour, K. Izadpanah**

Department of Plant Protection, College of Agriculture, Shahid Bahonar University of Kerman, Kerman, Iran

**Department of Plant Protection, College of Agriculture, Shiraz University, Shiraz, Iran*

6D-3 Bacteriocin production by indigenous plant associated bacteria

Sheikh Ajaz Rasool, Nusrat Jabeen

University of Karachi, Lab of Molecular Genetics, Department of Microbiology, Pakistan

6D-4 Effect on some antagonistic bacteria against *Phytophthora drechselei*, the causal agent of cucumber root and crown rot

A. Sharifi Tehrani, H. Khateri, Gh. Hedjaroud, J. Zad, H. Roohani

Department of Plant Protection, College of Agriculture, University of Tehran, Iran

6D-5 Prevalence of soybean mosaic virus in soybean growing areas in india and its role in epidemiology

V. Celia Chalam, R.K. Khetarpal, A. Mishra, H.S. Prakash***

Plant Quarantine Division, National Bureau of Plant Genetic Resources, India;

**College of Agriculture, Gujarat Agricultural University, India;*

***Department of Studies in Applied Botany, Seed Pathology and Biotechnology, University of Mysore, India*

13:30 - 15:00 hrs

6E: Epidemiology and Crop Loss Assessment

Chair: Huaifang Li

6E-1 Variability of *Puccinia striiformis* in Iran

Hojjatollah Ghaledozdani

Plant Protection Department, College of Agriculture, Tehran University, Iran

28 June 2005 (Tuesday)

09:00 - 10:30 hrs

7A: Prokaryote Diseases

Chairs: Yu-Fa PENG, Abed GERA

7A-1 Strategies for Management of Phytoplasma Diseases

Abed Gera

Agricultural Research Organization, The Volcani Center, Department of Virology, Israel

7A-2 The viability of jujube witches' broom (JWB) phytoplasma in branches during winter and the necessity of roots in developing JWB symptom in Chinese jujube

Mengjun Liu

Agricultural University of Hebei, Research Center of Chinese Jujube/College of Horticulture, China

7A-3 Transmission of phytoplasmas associated with white leaf diseases in Bermuda grass and sugarcane by Leafhopper (*Exitianus indicus* Distant)

*Ratana Sdoodee, Piyawit Tothaum**

Faculty of Natural Resources, Prince of Songkla University, Thailand

09:00 - 10:30 hrs

7B: Fungal Diseases; and Nematode Diseases

Chairs: Somsiri SANGCHOTE

7B-1 Molecular analysis and nucleotide sequences of Iranian isolates of Dutch elm disease by β -tubulin gene sequence distinguish two distinct form - the Eurasian and North America

Kamran Rahnama, A. Taheri, C. Breuil, M. Sadravi*

*Gorgan University of Agricultural Sciences, Iran; *Univ of British Columbia, Canada*

7B-2 Studies on fungal biocontrol of root knot nematodes on tomato

Mehdi Nasr Esfahani

Islamic Azad University-Flaverjan, Iran

7B-3 Leaf Maturity and response to *Phytophthora capsici* Infection, in two selections of *Piper nigrum*

*Shamina Azeez and Y. R. Sarma**

Division of Physiology and Biochemistry, Central Plantation Crops Research Institute, Indian Council of Agricultural Research, India

**Indian Institute of Spices Research, Indian Council of Agricultural Research, India*

11:00 - 12:30

Closing ceremony (LT32)

Chairs: Wenhua TANG and Tjahjono BUDI

POSTER SESSION

27 June 2005 (Monday)

09:00 - 10:30 hrs

Host-Pathogen Interaction

<Pathogen Strategies>

- P1 Possible suppression of chitinase gene expression induced in detached inner epidermis of barley coleoptile by powdery mildew pathogen**
Yoshinori Matsuda, Nobuyuki Moriura, Kazuhisa Fujita, Teruo Nonomura, Hideyoshi Toyoda
Faculty of Agriculture, Kinki University, Japan
- P2 Association of a chloroplast chaperonin 60 α in susceptibility of apple to *Alternaria alternata* apple pathotype**
Hiroshi Otani, Hiroki Tabira, Hajime Akamatsu**, Motoichiro Kodama*
Faculty of Agriculture, Tottori University, Japan; *Tottori Horticultural Experiment Station, Japan; **Washington State University, USA
- P3 Involvement of a host-derived glycoside in host-specific AB-toxin production by *Alternaria brassicicola***
Kumiko Oka, Motoichiro Kodama, Hiroshi Otani
Faculty of Agriculture, Tottori University, Japan
- P4 Production of new host-specific toxin(s) different from destruxin B by germinating spores of *Alternaria brassicae***
Roxana Yanira Parada, Kumiko Oka, Motoichiro Kodama, Hiroshi Otani
Faculty of Agriculture, Tottori University, Japan
- P5 Esterase Activity of Extracellular Material of *Blumeria Graminis* on Artificial Membrane**
Tomoko Suzuki
Faculty of Agriculture, Okayama University, Japan
- P6 Study of Interactions within a Pathosystem**
Galina Volkova
All-Russian Research Institute of Biological Plant Protection, Russia
- P7 Use of Molecular Markers to Study Adaptation of *Phialophora gregata* to Soybean**
*Weidong Chen, Craig R. Grau**
USDA-ARS, Grain Legume Genetics and Physiology Research Unit, USA; *Department of Plant Pathology, University of Wisconsin, USA
- P8 Genetic structure of *Botrytis* grey mould of chickpea (*Botrytis cinerea*) in bangladesh based on microsatellite analysis**
Daniel Isenegger, Rebecca Ford, William J MacLeod, Paul WJ Taylor*
BioMarka, School of Agriculture and Food Systems, Institute of Land and Food Resources, The University of Melbourne, Australia; *Department of Agriculture Western Australia, Centre for Cropping Systems, Australia
- P9 Intraspecific variations of the Indonesian *Cochliobolus heterostrophus***
Abdul Gafur, Subli Mujim, Titik Nur Aeny*, Budi Tjahjono, Antonius Suwanto***
Pest and Disease Division, Riaufiber R&D, PT RAPP, Indonesia; *Department of Plant Protection, University of Lampung, Indonesia; **Department of Biology, Bogor Agricultural University, Indonesia

<Resistance Mechanisms>

- P10 Induced resistance in tomato plants against *Alternaria alternata* producing host-specific toxins**
Mayumi Egusa, Daisuke Yamagishi, Takashi Tsuge, Hiroshi Otani, Motoichiro Kodama*
Faculty of Agriculture, Tottori University, Japan;
*Graduate School of Bioagricultural Science, Nagoya University, Japan

- P11 Defense mechanism against active oxygen species induced by beta-glucan elicitor in potato suspension cultures**
Sachiko Kawakami, Masashi Mizuno, Yasuomi Tada, Shigeyuki Mayama*
*Kobe University, Japan; *Duke University, USA.*
- P12 Effects of Monoterpenes on *Alternaria alternata* and Disease Resistance in Rough Lemon**
Y. Yamasaki, H. Kunoh**, H. Yamamoto*, K. Akimitsu**
**Kagawa University, Department of Life Sciences, Faculty of Agriculture, Japan; **Institute of Biological Process Research, Akatsuka Orchid Co. Ltd., Japan*
- P13 Ultra structural modifications of tobacco leaf cells systemically infected with potato virus Y**
F.Rakhshandehrou, B.S-Behboodi**, S.Rezaee**
**Plant Pathology Department, College of Agriculture and Natural Resources, Science and Research Campus, Islamic Azad University, Tehran, Iran*
*** Department of Biology, Faculty of Science, University of Tehran, Tehran, Iran*
- P14 Plant activator protein from *Alternaria* spp strain JH505 enhancing growth and inducing resistance in plants**
Zheng Liu
Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences, China
- P15 Molecular cloning research of a cysteine proteinase inhibitor of *Populus tomentosa***
Xingyao Zhang, Qingfeng Qing, Jun Liang
Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry, China
- P16 Characterization of rice WRKY89 gene**
Ze-jian Guo, Hai-hua Wang**, *, Zhong-na Hao**, Kun-lu Wu**, **
** Department of Plant Pathology, China Agricultural University, China;*
***Institute of Biotechnology, Zhejiang University, China*

Fungal Diseases

<Biology and Etiology>

- P18 Symptomatic analysis of *Fusarium* crown and root rot in pear tomato *Lycopersicon esculentum* var. *pyriforme* inoculated with different isolates of *Fusarium oxysporum* f. sp. *radicis-lycopersici***
Teruo Nonomura, Sayaki Suzuki, Yoshinori Matsuda, Hideyoshi Toyoda
Kinki University, Japan
- P19 Morphological and genetic differences in *Raffaelea quercivora* isolates carried by *Platypus quercivorus***
K. Kimura, Y. Matsuda, S. Ito
Department of Forest Resources, Faculty of Bioresources, Mie University, Japan
- P20 Mass mortality of *Acacia mangium* caused by *Ganoderma* spp. in Indonesia**
Shin-Ichiro Ito, Ari Fiani, Nur Hidayati*, Kazuho Yamaguchi***
Faculty of Bioresources, Mie University, Japan;
**Center of Biotechnology and Forest Tree Improvement Research and Development in Indonesia, Indonesia;*
***Tree Breeding Center Kansai Regional Breeding Office, Japan*
- P21 Occurrence of rusty rice by sheath rot fungus, *Sarocladium oryzae*, and seed transmission and its infection site**
Hideo Nasu
Okayama Agricultural Experiment Station, Japan
- P22 Susceptibility of grass weed species to *Gaeumannomyces graminis* var. *tritici* in New Zealand**
S.F. Chng, M.G. Cromey, R.C. Butler
New Zealand Crop & Food Research Limited

- P23 Identification of *Phytophthora nicotianae*, the causal agent of *pistachio gummosis* for first time in Rafsanjan, Iran**
*R. Saberi-Riseh, A. Sharifi-Tehrani, Gh. Hedjaroud, A. Alizadeh**
Department of Plant Pathology and Entomology, College of Agriculture, University of Tehran, Iran
**Department of Plant Pathology and Entomology, College of Agriculture, University of Tabriz, Iran*
- P24 Effect of some conventional fungicides on control of broomcorn covered smut cause by *Sporisorium sorghi* in the field**
Solaiman Jamshidi, Ahmad Ghaffari
Islamic Azad University of Miyameh, Iran
- P25 Effect of infection of *Rhizoctonia oryzae* and *R. oryzae-sativae* on disease**
Qingyuan Guo, Arakawa Masao**, Inagaki Kimiharu***
**Xinjiang Agricultural University, China; **Faculty of Agriculture, Meijo University, Japan*
- P26 Fungal pathogens associated with rice ear blight and deterioration of rice quality**
Hong-Sik Shim, Yong-Ki Kim, Sung-Jun Hong, Wan-Hae Yeh
Plant Pathology Division, National Institute of Agricultural Science & Technology, RDA, Korea
- P27 Genetic diversity of *phytophthora infestans* population in China**
Li-yun Guo, Xiao-qiong Zhu
Department of Plant Pathology, China Agricultural University, China
- P28 Mating type and genetic diversity of *Ascochyta rabiei* in Australia**
Prashanti Pradhan, Allison Gurung, Rebecca Ford, Paul W. J. Taylor
BioMarka, School of Agriculture and Food Systems, The University of Melbourne, Australia
- P29 Effect of chemical fungicide mixture against leaf blast and brown spot on rice**
Hee Jun Kwon, In Kee Lee, Oh Yeon Kwon*, Seung Sik Jang*, Bong Jin Jung**
*Dongbu Hannong Chemical Co., Ltd., Korea; *Agricultural Technology Research Institute, Korea*
- P30 Primary studied on controlling rice blast using compound *Solanum lyratum* Thunb extraction**
Tuyong Yi
Hunan Agricultural University, China

<Races and Ecology>

- P31 Studies on the pathology of trees canker and genetic differentiation of trees canker fungal pathogen**
Xingyao Zhang, Jiaping Zhao, Jun Liang
Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry, China
- P32 Genetic variation of *Cryphonectria parasitica* strains and chestnut cultivar resistance to chestnut blight**
Yong Li
Chinese Academy of Forestry, Chinese Academy of Forestry, China
- P33 Influence of weather conditions on disease severity of rice false smut in Korea**
Hong-Sik Shim, Yong-Ki Kim, Sung-Jun Hong, Wan-Hae Yeh
Plant Pathology Division, National Institute of Agricultural Science & Technology, RDA, Korea
- P34 Climatic conditions, *Pyricularia oryzae* airborne spore concentration and leaf symptoms in rice in Southern Spain**
*I. Lara-Álvarez, M. Castejón-Muñoz, M. Aguilar-Portero**
Department of Rice and Corn. Andalusian Agricultural Research Institute (IFAPA).
Las Torres-Tomejil. Carretera Sevilla-Cazalla, Spain
- P35 Remote sensing research on wheat stripe rust monitoring technology**
C.J. Cai, Z.H. Ma, H.G. Wang, H.Y. Zhu, M.H. Wang, H. An, C. Huang
Department of Plant Pathology, China Agricultural University, China

- P36 Pathogenicity dynamic and identification of physiological races of *Bipolaris maydis***
Lingxiao Kong, Qiusheng Li, Juying Zhao, Liansheng Wang, Ping Ma
Plant Protection Institute, Hebei Academy of Agricultural and Forestry Sciences, China
- P37 Introducing *Botrytis cinerea* as agent of kiwifruit gray mold disease in north of Iran**
Hossein Taheri, J. Ershad*, M. Golmohammadi
*Iran Citrus Research Institute, Iran; *Pests and Diseases Institute, Iran*
- P38 Distribution of *Phytophthora* species in Sirjan and Rafsanjan, Iran**
R. Saberi-Riseh, A. Sharifi-Tehrani, Gh. Hedjaroud, Z. Zakeri
Department of Plant Pathology and Entomology, College of Agriculture, University of Tehran, Iran
- P39 The fungi associated with potato tubers in Isfahan**
M. Nasr Esfahani
Plant Pests and Diseases Research Institute Isfahan Agriculture and Natural Resources Research Center, Iran.
- P40 Soil solarization for managing plant diseases: an Asian perspective**
Satish Lodha
Central Arid Zone Research Institute, India
- <Resistance and Breeding>**
- P41 Laboratory evaluation of citrus cultivars susceptibility to *Alternaria alternata* pv. citri**
Morteza Golmohammadi, F. Beiki
Iran Citrus Research Institute, Iran
- P42 Comparison of diseases incidence and four abundance fungi in tomato resistant rootstock and maofen cultivars in greenhouse**
Zhiping Cao, Guokang Chen*, Jinqiang Li**
*China Agricultural University, China; *Department of Ecology, China Agricultural University, China; **Department of Plant Pathology, China Agricultural University, China*
- P43 Identification of AFLP markers linked to the stripe rust resistance gene YrSp in wheat**
Li-juan Wang, Yong-chun Niu
Institute of Plant Protection, Chinese Academy of Agricultural Sciences, China
- P44 The new resistant chickpea lines to six pathotypes of *Ascochyta* blight in Iran**
Farhad Shokoohifar, Farhad Shokoohifar, Abdolreza Bagheri, Mahrokh Falahati Rastegar
Ferdowsi University of Mashhad, Iran
- P45 Germplasm screening and EMS mutagenesis for powdery mildew (*Leveillula taurica*) resistance in sainfoin (*Onobrychis viciifolia* Scop)**
Ahmad Arzani, Mohammad-Mehdi Majidi
Isfahan University of Technology, Iran
- P46 Gene cloning and transgenic plants construction of component proteins of OEC in *Nicotiana benthamiana***
Chun Sui, Yanwei Zhang, Zaifeng Fan, Huaifang Li
Department of Plant Pathology, China Agricultural University, China
- P47 Distribution of microsatellite loci in the genomic sequence of *Magnaporthe grisea***
Cheng-yun Li, Kazuo Ise*, You-yong Zhu, Yun-yue Wang, Jin-bin Li**, Jing Yang
*Yunnan Agricultural University, National Agrobiodiversity Research Center, China; *Japan International Research Center for Agricultural Sciences (JIRCAS), Japan; **Plant Protection Research Institute of Yunnan Academy of Agricultural Science, China*
- P48 Evaluation of different genotypes of flax (*Linum usitatissimum* L.) to powdery mildew**
G. Saeidi, A.A. Mohammadi Mirik
Department of Agronomy and Plant Breeding, College of Agriculture, Isfahan University of Technology, Iran

Viruses and Viral Diseases

<Etiology>

- P49 Identification of a virus causing mosaic disease in sorghum crops in eastern Uttar Pradesh**
Markandey Singh, Ashutosh Singh**, G.P. Rao**, K. Shukla**
**Department of Botany, DDU Gorakhpur University, India; **Sugarcane Research Station, India*
- P50 Studies on pigeonpea sterility mosaic virus isolates in India**
P. Lava Kumar, T.K.S. Latha, V.B. Chauhan**, V. Aparna and Farid Waliyar*
*International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India; *Tamil Nadu Agriculture University, India; **Banaras Hindu University, India*
- P51 Mapping of two sgRNA promoters of Hibiscus chlorotic ringspot virus *in vivo***
W.M. Li¹ and S.M. Wong^{1,2}
¹Department of Biological Sciences, National University of Singapore, Science Drive 4, Singapore 117543, Republic of Singapore
²Temasek Life Sciences Laboratory, 1 Research Link, National University of Singapore, Singapore 117604, Republic of Singapore
- P52 New record of propagation of one isolate of potato virus X potexvirus (PVX) in *Chenopodium album* L.**
Reza Khakvar, Reza Pourrahim, Masood Shamsbakhsh***
*Plant Protection Department, Faculty of Agriculture, University of Tabriz, Iran; *Plant Pest & Diseases Research Institute, Iran; **College of Agriculture, University of Tarbiat Modarres, Iran*
- P53 Detection of whitefly -transmitted geminiviruses in tomato plants in peninsular Malaysia**
Mohtaram Mahmoudieh Koravieh, Rofina Yasmin Othman, Mohamad Roff Mohd. Noor***
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- P54 Identification on pepper mild mottle virus from pepper in China**
Xing-hong Li, Zhi-yong Li
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- P55 Detection and genomic dsRNA analysis of rice black-streaked dwarf Fijivirus in Korea**
Bong-Choon Lee, Yeon-Kyu Hong, Do-Yeon Kwak, Sung-Tae Park
Yeongnam Agricultural Research Institute, NICS, RDA, Korea
- P56 The genome sequence and construction of the full-length infectious cDNA clone of hypovirus CHV1-EP721**
Haiyan Lin, Baoshan Chen
Key Laboratory of Subtropical Bioresource Conservation and Utilization, Guangxi University, China
- P58 Production and molecular characterization of murine monoclonal antibodies against an animal viral protein and a plant virus**
Yu Ting Fok and Sek-Man Wong, Department of Biological Sciences, 14 Science Drive 4, National University of Singapore, Singapore 117543, Republic of Singapore

<Molecular Characterization>

- P59 Identification and gene cloning of etiological viruses causing grapevine leafroll in China**
Ni Hong
College of Plant Science and Technology of Huazhong Agricultural University, China
- P60 Partial characterization of a strain of lolium latent virus, a flexivirus from ryegrass (*Lolium perenne*).**
Ruhui Li
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- P61 The protein encoded by genomic segment 3 of rice black streaked dwarf virus is one of the structural proteins**
Liying Sun, Shouguo Fang, Chenggui Han, Dawei Li, Jialin Yu
State Key Laboratory for Agrobiotechnology; Department of Plant Pathology, China Agricultural University, China
- P62 Microarray analysis of host transcription in response to infection of *Arabidopsis thaliana* protoplasts by coat protein mutants of TCV and HCRSV**
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- P63 Biochemical changes induced by mosaic viruses in chilli**
N. Kotreshe, M. S. Patil, A. S. Nalini Prabhakar
Agricultural College, Plant Path. Department, University of Agricultural Sciences, India
- P64 An LTP Gene involved in resistance to *Verticillium dahliae* is isolated from *G. barbadense* L. and characterization by over expression and RNAi**
Junsheng Qi, Qi Wang, Yongsheng Jin, Huaifang Li*
Department of Plant Pathology, College of Agronomy and Biotechnology, China Agricultural University, China;
**College of Biology, China Agricultural University, China*
- P65 Investigation of the mechanism of HCRSV coat protein as a gene silencing suppressor**
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- P66 Functional analysis of the unique 3'UTR of HLSV in regulating gene expression**
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- P67 Identification and functional analysis of p28 of Hibiscus chlorotic ringspot virus**
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- P68 Expression of Hepatitis C virus (HCV) core protein using Cymbidium mosaic virus vector**
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<Transmission and Ecology>

- P69 Relative incidence of beet necrotic yellow vein virus in Fars province of Iran during the growing season in 2004**
M.R. Moosavi
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- P70 Study of aphid transmission of three Zucchini yellow mosaic virus isolates in Iran**
*M.Shaabani**, ***H.Massumi**, *A.Hosseini pour**, *Z.Aazami**
**Department of Plant Pathology, College of Agriculture, University of Shahid Bahonar, Kerman, Iran*
***Department of Environmental Science, International Center for Sciences Hightechnology and Environmental Science*
- P71 A point mutation in the helper component-protease (HC-Pro) gene of clover yellow vein virus associates with symptom attenuation in broad bean and pea**
Ichiro Uyeda, Ma. Leonora M. Yambao, Uiko Kagaya, Masanao Sato, Hiroaki Kitazawa
Graduate School of Agriculture, Hokkaido University, Japan
- P72 A Study on distribution and infection rate of viral diseases in Lucerne fields in northwest of Iran**
Reza Khakvar
Plant Protection Department, Faculty of Agriculture, University of Tabriz, Iran

Prokaryote Diseases

<Etiology and Ecology>

- P73 Molecular identification of several woody plant phytoplasmas in China**
Yong Li, Chinese Academy of Forestry, China
- P74 Natural occurrence of *Xylella fastidiosa* in bonsai plants at the U. S. National Arboretum**
Qi Huang
Floral and Nursery Plants Research Unit, US Department of Agricultural, Agricultural Research Service, United States
- P75 Experimental insect transmission of the citrus stubborn disease pathogen and its immunofluorescent detection in periwinkle plants in Iran**
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- P76 The effects of witches' broom disease infection on the contents of mineral element and endogenous hormone in Chinese jujube**
Mengjun Liu, Jin Zhao
College of Life Science, Agricultural University of Hebei, China
- P77 The Leafhopper *Circulifer haematoceps* as a Natural Vector of *Spiroplasma citri* in Southern Kerman Province in Iran**
*M. Omid**, *A. Hosseini pour**, *H. Massum*i*, *H. Rahimian***
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- P78 Identification of the pathogen for bacterial rot on fortune bamboo**
Yu Li, Chi Li, Jing-du Liao, Ying-shen Huang
Zhanjiang Ocean University, China
- P79 Studied on the pathogen of wilting rice in Hunan in 1999**
Bi-da Gao
Hunan Agricultural University, China

<Molecular Characterization>

- P80 DNA microarray-based dissection of HrpG-regulon in *Xanthomonas campestris* pv. *campestris***
Bo-Le Jiang
Guangxi University, China
- P81 Comparative whole-genome analysis of different geographical isolates of *Xanthomonas campestris* pv. *campestris* from China**
Yong-Qiang He
Guangxi University, China

Disease Control

<Chemical Control>

- P82 Effects of medicinal plants on spore germination and mycelial growth of the green mold disease (*Trichoderma harzianum*) of mushroom**
P. Wonglom, V. Petcharat
Department of Pest Management, Faculty of Natural Resources, PSU, Thailand
- P83 Effect of Verita® 71 WDG on downy mildew incidence, fruit quality and shelf life of grapevine in India**
Prakash V R, A. Eswaran, S. Usharani**
**Department of Plant Pathology, Faculty of Agriculture, Annamalai University, India*
- P84 A preliminary study on the molecular mechanism of resistance to amicarbazol in *Xanthomonas campestris* pv. *citri***
Jun Li, Mingguo Zhou, Hongxia Li, Changjun Chen, Jianxing Wang, Yujun Zhang
College of Plant Protection, Nanjing Agricultural University, China
- P85 Laboratory studies to assess the resistance risk to flumorph in potato late blight pathogen (*Phytophthora infestans*)**
Shankui Yuan, Xili Liu, Zhi-hua Zhao
Department of Plant Pathology, China Agricultural University, China
- P86 Potential of a DAS-ELISA technique in the optimization of chemical control against wheat leaf blotch disease caused by *Septoria tritici***
Solaiman Jamshidi, Mahrokh Falahati Rastegar, Behrooz Jafarpour**
Plant Protection Department, Islamic Azad University of Mianeh, Iran
**Plant Protection Department, Ferdowsi University of Mashhad, Iran*

<Biological Control>

- P87 A strain of *penicillium oxalicum* P-o-41 improved the growth of wheat seedlings**
Aili. Tureke, **, Zhenyu Zhao **, Qi Wang*, Wenhua Tang *, ****
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***Department Plant Pathology of Xinjiang Agri. University, China;*
****Department of Plant Pathology, China Agri. University, China*
- P88 Growth response of *Drechslera hawaiiensis*, *Alternaria alternata* and *Fusarium moniliforme* in aqueous extract of *Parthenium hysterophorus***
Tehmina Anjum Vaseer
Department of Mycology & Plant Pathology, University of the Punjab, Pakistan
- P89 Study on the antiviral agents in Chinese herbs and microbes**
Ji Yan Qiu, Zhao Feng Tian, Wei Cheng Liu, De Wen Liu
Institute of Plant & Environment Protection, Beijing Academy of Agri. & Forestry Sci, China

- P90 Screening of antagonistic bacteria against the green mold disease (*Trichoderma harzianum*) of gray oyster mushroom (*Pleurotus pulmonarius*)**
 Vasana Petcharat
 Department of Pest Management, Faculty of Natural Resources, PSU., Thailand
- P91 Biological control of gray mold disease of vegetables in green house by *Bacillus subtilis* using duct dusting**
 Mitsuro Hyakumachi, Yoshihiro Taguchi*
 Gifu University, Japan; *Arysta LifeScience Corporation, Japan
- P92 Competition between antagonistic strain E26 and pathogenic strain K308 from *Agrobacterium vitis* on grapevine**
 Jinyun Li
 Department of Plant Pathology, China Agricultural University, China
- P93 Colonization and distribution of GFP-marked *Bacillus subtilis* strain HL29 on the alfalfa and the effect on the population of rhizosphere microflora**
 Xi-li Liu*, Zhong-yi Chen**, Zhi-jun Lu*, Da-fang Huang**, Hui-min Wang*
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 **Institute of Plant Protection, China Academy of Agricultural Science, China
- P94 Effect of some antagonistic bacteria and benomyl fungicide on *Fusarium oxysporum*, the causal agent of chickpea *Fusarium* wilt**
 A. Sharifi Tehrani, F. Jamali, M. Okhovat, Z. Zakeri
 Department of Plant Protection, College of Agriculture, University of Tehran, Iran
- P95 Determination of bacteriological characteristics of *Acidovorax avenae* subsp. *avenae* strains and its pathogenicity in blight of corn and brown stripe of rice**
 A.R. Shahrokhi*, H. Rahimian**, A. Sharifi Tehrani*, R. Saberi-Riseh*
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 **College of Agriculture, Mazandaran University, Sari . Iran
- P96 Sensitivity of *Trichoderma harzianum* T9 to fungicides and their synergy against plant pathogen**
 Zhi-qiang Ma, Xiao-feng Zhang, Wen-qiao Wang, Xiu-ying Han, Hong-xia Li
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Integrated Pest Management

- P97 The control technique of the main disease in greenhouse herbaceous flower**
 Maotu Wei, Jianming Zheng, Guanrong Jin, Changli Chen
 (Zhejiang Agriculture Sciences Academy of Flower Research and Development Center, China)
- P98 Managing viral diseases in floral and nursery crops**
 Hei-ti Hsu, Clarissa Maroon-Lango
 Floral and Nursery Plants Research Unit, US National Arboretum., US Department of Agriculture, Agricultural Research Service, United States
- P99 The population dynamics of microbes in a disease-resistant organic manure during the fermenting process**
 Wei-cheng Liu, Ji-yan Qiu, Ke-yu Dong, Zhao-feng Tian, De-wen Liu, Chen-zhao Xie
 Institute of Plant & Environment Protection, Beijing Academy of Agriculture & Forestry Sciences, China
- P100 The use of Brassica green manure crops for soil improvement and soilborne disease management**
 Hoong Pung, Susan Cross
 Serve-Ag Research Pty Ltd, Australia
- P101 Forest pest ecological control — a new strategy of forest pest control**
 Jun Liang, Xingyao Zhang
 Research Institute of Forest Ecology, Environment and Protection, Chinese Academy of Forestry, China

- P102 Detecting biological and chemical components in *Bacillus subtilis* - dimethomorph cocktail formulation by green fluorescent protein labeling combined with high performance liquid chromatography**
 Yin Jing-Fang, Liu Xi-Li, Li Jian-Qiang, Liu Peng-Fei
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- P103 Management of cereal cyst nematode, *Heterodera avenae* in Barley**
 Indra Rajvanshi
 Department of Nematology Durgapura Research Station Jaipur, India
- P104 Chemical and biological measures in controlling stem canker and black scurf disease of potato under naturally infested and artificially infested fields**
 Md. Khurshed Alam Bhuiyan
 Bangabandhu Sheikh Mujibur Rahman Agricultural University, Department Plant Pathology, Bangladesh
- P105 The University of Florida's plant medicine program: a new multidisciplinary approach to plant health education**
 Robert J. McGovern
 University of Florida-IFAS, Plant Medicine Program, United States
- P106 The main meteorological factor that influences the inhibiting effect against potato late blight of Chinese medicinal herbs in the field**
 Tongle Hu*, Keqiang Cao*, Hans-Rudolf Forrer**
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Post-Harvest and Mycotoxins

- P107 Effect of Chitosan on controlling of anthracnose disease in mangoes cv. Nam Dok Mai**
 Sudkanung Pumchai*, Pongphen Jitareerat*, Sirichai Kanlayanarat*, Somsiri Sangchote**
 *School of Bioresources and Technology, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, **Faculty of Agriculture, Kasetsart University, Bangkok, Thailand
- P108 Detection of latent infection of *Colletotrichum gloeosporioides*, causal agent of anthracnose disease in raw mango fruits by polymerase chain reaction**
 Pongphen Jitareerat*, Somsiri Sangchote**, Chalermchai Wongs-Aree
 *School of Bioresources and Technology, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, **Faculty of Agriculture, Kasetsart University, Bangkok, Thailand
- P109 Selection and screening antagonistic yeasts to control crown rot on bananas**
 Somsiri Sangchote
 Kasetsart University, Thailand
- P110 Characteristics of *Phyllostictina* on banana leaves infected by freckle disease in West Malaysia**
 Zainal Abidin Mior Ahmad, Kevin Cheong, Sariah Meon and Gurmit Singh*
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- P111 Control of seedborne pathogen of oil palm using antimicrobial substances produced by antagonistic bacteria**
 Kamaruzaman Sijam, A. Dikin, Jugah Kadir and Idris Abu Seman*
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- P112 Studies on the aflatoxin contamination in relation to biochemical characteristics in chillies stored under different conditions**
 N Reddy Mopuri
 S P Mahila University, Department of Applied Microbiology, India

P113 Virulence mutants of citrus post harvest disease pathogen *Alternaria citri*
*H. Katoh**, *A. Isshiki**, *A. Masunaka**, *H. Yamamoto*, *K. Akimitsu**,**,
**Kagawa University, Department of Life Sciences, Faculty of Agriculture, Japan; **PRESTO, Japan Science and Technology Agency, Japan*

P114 Screening of mycotoxin contamination in food in Kuwait
Basma Dashti
Kuwait Institute for Scientific Research, Kuwait

Others

P115 Effects of Tannin contents of several varieties of sorghum on the damage caused by the African bollworm, *Helicoverpa armigera* (Hub.) (Lepidoptera:Noctuidae) in Sudan
El Nayer H. Suliman; R.M. Khafagi, El amin M. Elamin
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P116 Tagging of Lr45 in wheat leaf rust resistance near-isogenic lines based on AFLP
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P117 Geographical distribution of Dutch elm disease in Iran (Tehran Province) and *in vitro* assessment of the effect of several fungicides on its causal agent *Ophiostoma ulmi* and *O.novo-ulmi*
V.Rahjoo, H.Mojdehi, Gh.Mosahabi-Mohammadi, H.Zamanizadeh, E.Shokoohi
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P118 Evaluation of the reaction of different cultivars of alfalfa to downy mildew disease in Iran
V. Rahjoo, A. Moghaddam, A. Arjmandian, A.R. Shahrokhi, R. Saberi-Riseh
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