



SUMMARY CALL FOR AUTHORS: JANUARY 2014

Background

At its 2013 December meeting the TPDP identified the need to open a call for authors to the following draft diagnostic protocols (DPs):

- *Liberibacter solanacearum* (2013-001)
- *Conotrachelus nenuphar* (2013-002)
- *Anguina* spp. (2013-003)
- *Fusarium moniliformis* / *moniforme* syn. *F. circinatum* (2006-021)

On 16 January 2014, the IPPC Secretariat issued a [call for authors](#)¹ to take part in each respective DP drafting groups. The call closed on 21 February 2014.

The expertise requirements and the selection procedure were outlined in the call letter and are presented as Annex 1.

The IPPC Secretariat received 03 nominations for *Liberibacter solanacearum* (2013-001), 0 nominations for *Conotrachelus nenuphar* (2013-002), 1 nomination for *Anguina* spp. (2013-003) and 03 nominations for *Fusarium moniliformis* / *moniforme* syn. *F. circinatum* (2006-021) in response to the call.

The nominees stated different expertise in specific diagnostic expertise. In addition most of nominees had scientific expertise and PhD level degree in specific areas. The Secretariat made a summary for the nominations with the core expertise as required in the call letter and is presented as Table 1. The curriculum vitae (CV) for each nominee is presented as Annex 2 to this document.

Table 1. Summary of nominations received from the call for authors (2014 January):

NAME	COUNTRY	EXPERTISE*							
		DS	TX	MD	PE	PQ	DF	ND	SU
<i>Liberibacter solanacearum</i> (2013-001)									
Mr Joseph MUNYANEZA	USA	X	X	X	X	X	X	X	X
Ms Ana O. ALFARO FERNÁNDEZ	Spain	X	X	X	X	X	a	X	X
Ms Marianne LOISEAU	France	X	X	X	X	X	a	a	X
<i>Anguina</i> spp. (2013-003)									
Ms Andrea SKANTAR	USA	b	X	X	b	X	X	X	X
<i>Fusarium moniliformis</i> / <i>moniforme</i> syn. <i>F. circinatum</i> (2006-021)									
Ms Mónica Berbegal MARTÍNEZ	Spain	X	X	X	X	X	X	a	X
Mr James Wanjohi MUTHOMI	Kenya	b	X	X	X	a	a	X	X
Mr Renaud IOOS	France	X	X	X	X	X	a	X	X

*Legend: DS = Specific diagnostic expertise; TX = Taxonomy; MD = Molecular diagnostic expertise; PE = Practical experience related to the pest (detection, identification, isolation etc.); PQ = Quarantine diagnostic protocol expertise; DF = Drafting of diagnostic protocols (such as regional diagnostic protocols); ND = Development of novel diagnostic methods; SU = NPPO or RPPO support; a = not mentioned; b = expertise with the genera or organism

Recommendations to the TPDP

The TPDP is invited to:

- (1) Note the lack of nominations for *Conotrachelus nenuphar* (2013-002) and the low number of nominations for *Anguina* spp. (2013-003).

¹ Call for authors main page on IPP: <https://www.ippc.int/core-activities/standards-setting/calls/calls-for-experts/call-authors-diagnostic-protocols>

- (2) *Consider* the nominations above and select the DP drafting groups and assign lead authors when appropriate to each subject of the TPDP work programme.
- (3) *Consider* the possibility in hand-pick some experts to be part of DP drafting groups mentioned above.

منظمة
الأغذية والزراعة
للأمم المتحدة

联合国
粮食及
农业组织

Food and Agriculture
Organization of the
United Nations



Organisation des
Nations Unies pour
l'alimentation et
l'agriculture

Продовольственная и
сельскохозяйственная
организация
Объединенных Наций

Organización de las
Naciones Unidas para la
Alimentación y la
Agricultura

Viale delle Terme di Caracalla, 00153 Rome, Italy

Fax: +39 0657053152

Tel: +39 0657051

www.fao.org

Our Ref.: **PL 35/5**

Your Ref.:

16 January 2014

International Plant Protection Convention call for nominations of authors for diagnostic protocols

Dear Sir/Madam,

Nominations for authors are being solicited by the Secretariat of the International Plant Protection Convention (IPPC) for four IPPC diagnostic protocols on:

- *Liberibacter solanacearum* (2013-001)
- *Conotrachelus nenuphar* (2013-002)
- *Anguina* spp. (2013-003)
- *Fusarium moniliformis* / *moniforme* syn. *F. circinatum* (2006-021)

Details are outlined below.

Nominations for authors of the IPPC diagnostic protocol for: *Liberibacter solanacearum* (2013-001), *Conotrachelus nenuphar* (2013-002), *Anguina* spp. (2013-003) and *Fusarium moniliformis* / *moniforme* syn. *F. circinatum* (2006-021)

The IPPC Secretariat is soliciting nominations for authors of the diagnostic protocol for *Liberibacter solanacearum*, *Conotrachelus nenuphar*, *Anguina* spp. and *Fusarium moniliformis* / *moniforme* syn. *F. circinatum* (2006-021) under the disciplines bacteriology, entomology, nematodes and mycology. Authors will work in liaison with the discipline lead and member of the Technical Panel on Diagnostic Protocols (TPDP) for the respective area to develop the draft protocol as annex to ISPM 27:2006 (*Diagnostic Protocols for Regulated Pests*) with English as primary language of the draft.

Curriculum Vitae (CV) of experts nominated as authors should outline the specific diagnostic expertise with the pest that the nomination is applying for. Technical and scientific expertise with the pest, especially diagnostic expertise, is considered a core requirement. Additional expertise is:

- taxonomy and molecular diagnostics
- practical experience related to the pest (detection, identification, isolation etc.)
- quarantine diagnostic protocol expertise
- drafting of diagnostic protocols (such as regional diagnostic protocols)
- development of novel diagnostic methods
- experience using diagnostic protocols for diagnosis of regulated pests.

Nominees for authorship of diagnostic protocols should also be able to demonstrate the ability to work primarily through e-mail discussions in English (as it is not anticipated that authors will be required to meet in person) and that appropriate time to dedicate to drafting the diagnostic protocol via e-mail will be available. Several experts may be selected to compose the DP drafting groups.

Selection procedure

All nominations will be considered, although it is encouraged that nominations be submitted through national plant protection organizations (NPPOs) or regional plant protection organizations (RPPOs). Nominations should be supported by the submitting organization and self nominations should be supported by an accompanying letter from a government authority. All nominations should include the nominee's CV and a signed statement of commitment form. The nominations will be reviewed and authors will be selected based on the experience demonstrated in the CV.

The selected authors will be contacted by the Secretariat and TPDP member in charge of the diagnostic protocol once their participation has been confirmed.

Nominees for the protocols should have agreed to their nominations, be available for drafting the diagnostic protocol via e-mail and be able to allocate the appropriate time to the task prior to their names being submitted. In addition, the attached *Statement of commitment* should be completed by the nominee and submitted with the nomination.

Nominations submissions

To nominate authors, please consider the attached documents and submit the following information and documentation (by e-mail, with the name of the nominating country and “**call for authors – January 2014**” in the subject line of the e-mail message) for each nominee:

- nominee name, address, country, phone number, fax number and valid e-mail address
- the name of the diagnostic protocol is proposed the nomination
- electronic copy of the nominee's CV (preferably as a word processing file such as MS Word) with the file named as follows:
COUNTRY_Firstname_SURNAME_*DiagnosticProtocolNomination**
**please write the pest name of the diagnostic protocol*
- signed statement of commitment (preferably as a scanned image file such as TIF) with the file named as follows: COUNTRY_Firstname_SURNAME_committment.

Submissions should be sent to the IPPC Secretariat by e-mail (ippc@fao.org) no later than **21 February 2014**.

Yours sincerely,



Brent Larson
Standards Officer
Secretariat of the International Plant Protection Convention

Enclosures:

1. IPPC statement of commitment (English, French, Spanish)
2. TPDP Working Procedures
3. ISPM 27:2006 (*Diagnostic protocols for regulated pests*) (English, French, Spanish)

Annex 2: Nominees CVs

Nominees CVs are attached in the following pages.

JOSEPH E. MUNYANEZA

Research Entomologist, USDA-ARS Yakima Agricultural Research Laboratory, 5230 Konnowac Pass Road, Wapato, WA 98951, USA; Phone: 509-454-6564; Fax: 509-454-5646; e-mail:

Joseph.Munyaneza@ars.usda.gov

Education:

Iowa State University, Ames, IA; Ph.D. (1996) Agricultural Entomology (Plant Pathology, minor)
Southern Illinois University, Carbondale, IL; M.S. (1993) Entomology
National University of Rwanda, Butare, Rwanda; B.S. (1984) Biology

Professional Experience:

Research Entomologist (GS-14, Step 4), USDA-ARS Wapato, WA, December 2002 to present
Acting Research Leader, Plant Mycotoxin Research Unit, USDA-ARS, Western Regional Research Center, Albany, CA, December 2012-March 2013
Adjunct Professor, Department of Entomology, Washington State University, August 2004 to present
Postdoctoral Research Associate, University of Minnesota, St Paul, MN, August 1998-November 2002
Postdoctoral Research Associate, Iowa State University, Ames, IA, June 1996- July 1998
Dr Munyaneza is fluent in English and French

Research Interests:

Dr Munyaneza's major research area includes plant host resistance, and biological, cultural and chemical control of agricultural insect pests and diseases, with emphasis on the role of these tactics in integrated pest management (IPM) to promote sustainable intensification of crop production and world food security. The ultimate goal of integrating these pest control strategies into IPM programs is to reduce reliance on pesticides and still significantly increase crop yields and grower profits. Specifically, Dr Munyaneza research assignment focuses on integrated pest management of insect pests and diseases of potato and other vegetable crops, with emphasis on insects vectoring potato diseases. Current research includes biology and management of psyllids, leafhoppers, aphids, and their associated pathogens and diseases, including the newly emerging bacterium *Liberibacter* and zebra chip disease, potato phytoplasmas and purple top disease, potato leafroll virus (PLRV), and potato virus Y (PVY). Other insect pests of interest include Colorado potato beetle, potato tuberworm, wireworms, stinkbugs, and several insect pests of tree fruits. In addition, Dr Munyaneza has extensive experience with insect pests and diseases of many field crops and small grains.

Major Accomplishments:

Dr. Munyaneza has conducted research in various aspects of insect and insect-transmitted plant disease biology, ecology, behavior, epidemiology, and management for over 25 years. He has authored or co-authored over 170 scientific publications (including 94 peer-reviewed articles, 40 proceedings, and 4 book chapters) and made more than 100 invited presentations at various national and international scientific meetings and conferences/symposia, training workshops, and grower field days. Dr. Munyaneza has been recognized nationally and internationally for his outstanding contributions to entomology and plant pathology through awards, membership in professional societies, and research grants. Also, Dr. Munyaneza has trained and advised numerous graduate (PhD and Master's) and

undergraduate students, in addition to hosting several national and international postdoctoral research associates and visiting scientists in his laboratory.

Dr. Munyaneza has demonstrated exceptional ability as team leader and builder. He promoted effective communication and developed collaborative research with other scientists from ARS-Wapato, other ARS locations, and numerous national and international research institutions, including USDA-ARS at Prosser, Parlier, Albany, Weslaco, Aberdeen, Beltsville, Fort Detrick, and Alaska, APHIS, Washington State University, University of Idaho, Oregon State University, Texas A&M University, University of Texas, University of California, University of Florida, North Dakota State University, Florida Department of Agriculture, Frito-Lay, DuPont, J.R. Simplot, Syngenta, Bayer, and several commodity groups and institutions in U.S., Canada, Mexico, Honduras, Nicaragua, Costa Rica, Panama, El Salvador, Guatemala, Belize, Brazil, Spain, France, Finland, Sweden, Norway, Belgium, The Netherlands, Germany, Hungary, Romania, Russia, New Zealand, and China.

Among recent and significant research accomplishments, Dr Munyaneza conclusively established and reported for the first time the association of zebra chip disease with the potato psyllid (*Bactericera cockerelli*) and played a leading role in a team of national and international potato researchers, producers, and processors that rapidly developed effective management strategies for this new and economically important potato disease. Zebra chip has caused millions of dollars in losses to the potato industry in U.S., Mexico, Central America, and New Zealand due to recent invasive status of potato psyllid. In addition, Dr Munyaneza discovered that “*Candidatus Liberibacter solanacearum*”, a previously undescribed bacterium species is not only the causal agent of zebra chip and other diseases of solanaceous crops, but also severely affects carrots in northern Europe (particularly in Finland, Norway, and Sweden), where it can cause up to 100% crop loss. Dr Munyaneza demonstrated that this plant pathogen is transmitted to potato and other solanaceous species by the potato psyllid in the Americas and New Zealand and to carrot by the psyllid *Trioxa apicalis* in northern Europe. Furthermore, Dr Munyaneza is a world leading expert on potato phytoplasma diseases and has conducted extensive research on these plant pathogens in North and Central America and Eastern Europe, including the Pacific Northwest of U.S., Mexico, Hungary, Romania, and Russia. Research by Dr Munyaneza resulted in significant reduction in incidence of insect-transmitted diseases and in savings of millions of dollars to the potato and other vegetable industry worldwide.

In collaboration with several other scientists, Dr Munyaneza laboratory developed and published improved conventional and real-time quantitative PCR methods to better detect *Liberibacter* and phytoplasmas in plants and insects. In addition, he recently developed and published universal primers and probes for genus and species specific detection of ‘*Candidatus Liberibacter*’ by real-time PCR. Moreover, Dr Munyaneza identified and described the currently known four haplotypes of “*Candidatus Liberibacter solanacearum*” in the Americas, New Zealand, and Europe. Furthermore, Dr. Munyaneza deposited numerous *Liberibacter* sequences in the GenBank.

Dr Munyaneza is currently serving a 3-year term (2013-2016) on the Western Integrated Pest Management Center (WIPMC) Invasive Species Working Group, *Liberibacter* and Potato Psyllid Pathology Subgroup. Also, in collaboration with scientists with Florida Department of Agriculture, Dr Munyaneza is part of an ongoing APHIS-funded research project to survey exotic and invasive psyllids and *Liberibacter* species in Florida.

Because of his outstanding and pioneer work on pathogens and insect vectors of zebra chip and purple top diseases, Dr Munyaneza made numerous invited presentations and conducted several regional training workshops related to insect and disease biology and management to growers and researchers

in several countries, including U.S., Canada, Mexico, Central America, Brazil, New Zealand, The Netherlands, Italy, France, Belgium, Romania, Hungary, Russia, Finland, and China. At the invitation and sponsorship of several international organizations, including the European and Mediterranean Plant Protection Organization (EPPO), the International Organization for Animal and Plant Health Inspection Service for Central America (OIRSA), and the Centre for Agriculture and Biosciences International (CABI), Munyaneza served as an external technical expert to help develop pest risk analyses (PRAs) for *Liberibacter* and potato psyllid. He also wrote datasheets on quarantine pests on the behalf of EPPO and CABI, and conducted numerous training workshops on the biology and management of vegetable pests and diseases in several OIRSA member countries and New Zealand.

Dr Munyaneza has published in very high impact plant pathology journals, including *Plant Disease*, *European of Plant Pathology*, *Phytopathology*, *Journal of Plant Pathology*, and *PLOS ONE*. He has reviewed over 150 manuscripts for various scientific journals, including *Biological Control*, *Journal of Economic Entomology*, *Environmental Entomology*, *American Journal of Potato Research*, *Plant Disease*, *Phytopathology*, *Insect Science*, *Journal of Insect Science*, *Crop Protection*, *Annals of Applied Biology*, *Agricultural and Forest Entomology*, *Journal of Plant Pathology*, *European Journal of Plant pathology*, *Pest Management Science*, *Plant Protection Sciences*, *Potato Research*, *Microbial Ecology*, *African Journal of Agricultural Research*, and *Journal of Pest Science*.

Membership in Professional Societies:

Entomological Society of America

American Phytopathological Society

Potato Association of America, Vice-Chair and Chair of the Plant protection Section (2005-2007)

European Association for Potato Research

International Organization for Biological Control

International Association of Black Entomologists, Vice-President and President (2008-present)

Potato Virus and Virus-Like Disease Control Coordinating Committee (WERA089), Secretary (2010), Vice-Chair (2011), and Chair (2012)

Honors and Awards:

Member, Sigma Xi and Gamma Sigma Delta

Received United States Agency for International Development (USAID) African Graduate Fellowship (AFGRAD) Award to work on a Master's Degree (1990-1993) at Southern Illinois University

Recipient of the Entomology Educational Project Award for Integrated Pest Management of Alfalfa Insects in the Upper Midwest, Board of Certified Entomologists of Mid-America, Entomological Society of America, 2000

Recipient of the 2012 Entomological Society of America (ESA) Integrated Pest Management Team Award for research on zebra chip disease of potato, Entomological Foundation's Awards, Entomological Society of America, 2012

Received numerous awards from the Latin American Potato Association (ALAP), the University of Guadalajara, the Mexican Society of Phytopathology, the International Organization for Animal and Plant Health Inspection Service for Central America (OIRSA), the Mexican Secretariat of Agriculture, Livestock, Rural Development, Fisheries and Food (SAGARPA), the Mexican National Institute for

Forest, Agricultural, and Livestock Research (INIFAP), and the Integrated Pest Management (IPM) International Congress Organizing Committee for outstanding research on potato phytoplasma and zebra chip diseases.

Dr Munyaneza applied, received, and managed over US\$5 million in competitive research grants since 2007 to work on issues related to the management of insects vectoring diseases to potato and other vegetable crops, including aphids, leafhoppers, and psyllids.

Special Invitations/Presentations:

Dr. Munyaneza has been invited to make over 100 presentations, of which the following are the most recent and significant:

1. Invited presentation “Purple top disease and beet leafhopper transmitted virescence agent (BLTVA) phytoplasma in potatoes of the Pacific Northwest of the United States” at the 2005 Potato Europe International Congress and Trade Show. Emmeloord, The Netherlands, September 2005.
2. Invited presentation “Biology of purple top: the experience of the Pacific Northwest” at the 22nd International Congress of Latin America Potato Association (ALAP). Toluca, Mexico, August 2006.
3. Invited presentation “Impact of the Columbia Basin potato purple top phytoplasma on tuber processing quality and susceptibility of potato to this plant pathogen” at the 6th World Potato Congress, Boise. ID, August 2006.
4. Invited presentation “Phytoplasmas diseases and insect vectors in potatoes of the Pacific Northwest of the United States” at the First International Phytoplasma Working Group Conference. Bologna, Italy, November 2007.
5. Invited presentation “Zebra chip, a new potato disease in North and Central America, is associated with the potato psyllid” at the 17th Triennial Conference of the European Association for Potato Research. Brasov, Romania, July 2008.
6. Invited presentation “Zebra chip, a new potato disease in North and Central America, is associated with the potato psyllid and *Candidatus Liberibacter*” (5 times) at the 2009 World Potato Congress, Annual Conference of New Zealand Entomological Society, MAF Biosecurity New Zealand, New Zealand Plant and Food Research Institute, and at the Potatoes New Zealand (NZ Potato Growers Association) Meeting. Christchurch/Auckland/Pukekohe, New Zealand, March 2009.
7. Invited presentation “Zebra chip, an emerging potato disease in North and Central America, is associated with the potato psyllid and *Candidatus Liberibacter*” at the Annual Meeting of the Potato Association of America. Fredericton, NB, Canada, August 2009.
8. Invited presentation “Zebra chip potato disease: research update” at the 2010 Washington State and Oregon Potato Conference. Richland, WA, January 2010.

9. Invited presentation “Psyllids as vectors of emerging bacterial diseases of annual crops” at the 2010 Annual Meeting of Entomological Society of America-Southwestern Branch & Mexican Entomological Society. Cancun, Mexico, April 2010.
10. Invited presentation “Zebra chip: research update” at the 2010 PepsiCo International and Sabritas Mexico grower training workshops. Mexico City & Tapalpa, Mexico, October 2010.
11. Invited presentation “Zebra chip disease: history, identification, epidemiology, and management” at the International Organization for Animal and Plant Health Inspection Service for Central America (OIRSA) Regional Workshop on Zebra Chip and the Potato Psyllid. San Pedro Sula & Siguatepeque, Honduras, August 2010.
12. Invited presentation “Association of Liberibacter with newly emerging psyllid-transmitted diseases of potato and other annual crops” at the 2010 International Symposium of Plant Pathogenic Bacteria. University of Guadalajara, Guadalajara, Mexico, 2010.
13. Invited presentation “Pest risk analysis (PRA) for zebra chip disease/liberibacter and potato psyllid in the European and Mediterranean Plant Protection Organization (EPPO) region” at the EPPO Technical Expert Meeting. Paris, France, December 2010.
14. Invited presentation “Understanding zebra chip and subsequent control of psyllids” at the 2011 Colorado Potato Conference. Monte Vista, CO, February 2011.
15. Invited presentation “Psyllids as vectors of Arbovirota in potato and other annual crops” at the 2011 Joint Annual Meeting of ESA-Southeastern Branch and APS-Caribbean Division. San Juan, Puerto Rico, March 2011.
16. Invited presentation “Zebra Chip Disease: A Potential Problem for Ontario Fresh Market and Chipping Potatoes?” at the 2011 Ontario Potato Growers Conference. Guelph, Canada, March 2011.
17. Invited presentation “Effects of zebra chip disease on potato seed quality and postharvest” at the Potato Expo 2012 Annual Conference. Orlando, FL, January 2012.
18. Invited presentation “Role of psyllids in spreading zebra chip potato disease” at the 2012 Idaho Potato Conference and Idaho Crop Improvement Potato Seed Seminar. Pocatello, ID, January 2012.
19. Invited presentation “Potato psyllid and zebra chip: overview and management” at the 2012 AgriNorthwest & Conagra/Lamb Weston Winter Potato Growers Meeting. Kennewick & Richland, WA, February 2012.
20. Invited presentation “Zebra chip disease: identification, epidemiology, control and threat to Latin American potato industry” at the 2012 Latinoamerica Potato Association (ALAP) Annual Conference. Uberlandia, Brazil, September 2012.
21. Invited presentation “Current status of research and management of Zebra Chip-*Paratuberculosis* complex” at the 13th International Congress of IPM. Tegucigalpa, Honduras, October 2012.

22. Invited presentation “Zebra Chip: Spread in Seed” at the POTATO EXPO 2013. Las Vegas, NV, January 2013.
23. Invited presentation “Zebra Chip Disease, *Candidatus* Liberibacter, and Potato Psyllid: A Global Threat to the Potato Industry” at the 97th Annual Meeting of Potato Association of America. Quebec City, Canada, July 2013.
24. Invited presentation “Potato Psyllid, *Candidatus* Liberibacter, and Zebra Chip Disease Complex: A Global Threat to the Potato Industry” at the Third International Conference on Biotic Plant Interactions. Yangling, Shaanxi, China, August 2013.
25. Invited presentation “*Candidatus* Liberibacter solanacearum: its geographic distribution, vectors, and global threat to annual crops” at the 2013 International Congress of Plant Pathology. Beijing, China, August 2013.

Publications:

Peer Reviewed Journal Articles

1. **Munyaneza, J.E** & J. E. McPherson. 1994. Comparative study of life histories, laboratory rearing, and immature stages of *Euschistus servus* and *Euschistus variolarius* (Hemiptera: Pentatomidae). *The Great Lakes Entomologist* 26: 263-274.
2. **Munyaneza, J.E** & J. J. Obrycki. 1997. Functional response of *Coleomegilla maculata* (Coleoptera: Coccinellidae) to Colorado potato beetle eggs (Coleoptera: Chrysomelidae). *Biological Control* 8: 215-224.
3. **Munyaneza, J.E** & J. J. Obrycki. 1997. Reproductive response of *Coleomegilla maculata* (Coleoptera: Coccinellidae) to Colorado potato beetle (*Leptinotarsa decemlineata*) eggs. *Environmental Entomology* 26: 1270-75.
4. **Munyaneza, J.E** & J. J. Obrycki. 1998. Development of three populations of *Coleomegilla maculata* (Coleoptera: Coccinellidae) feeding on the Colorado potato beetle (*Leptinotarsa decemlineata*) eggs. *Environmental Entomology* 27: 117-122.
5. **Munyaneza, J.E** & J. J. Obrycki. 1998. Searching behavior of *Coleomegilla maculata* larvae feeding on Colorado potato beetle eggs. *Biological Control* 13: 85-90.
6. Lee, I-M., K. D. Bottner, **J. E. Munyaneza**, G. A. Secor, and N. C. Gudmestad. 2004. Clover proliferation group (16SrVI), subgroup A (16SrVI-A) phytoplasma is a probable causal agent of potato purple top disease in Washington and Oregon. *Plant Disease* 88: 429.
7. Lee, I-M, K. D. Bottner, **J. E. Munyaneza**, W. L. Campbell, G. A. Secor, and N. C. Gudmestad. 2004. Closely related but distinct phytoplasmas associated with potato purple top and potato witches'-broom diseases in the US. *Phytopathology* 94: S58.

8. Crosslin, J. M., **J. E. Munyaneza**, A. Jensen, and P. B. Hamm. 2005. Association of the beet leafhopper (Hemiptera: Cicadellidae) with a clover proliferation group phytoplasma in the Columbia Basin of Washington and Oregon. *Journal of Economic Entomology* 98: 279-283.
9. **Munyaneza, J. E.** and J. E. Upton. 2005. Beet leafhopper (Hemiptera: Cicadellidae) settling behavior, survival, and reproduction on selected host plants. *Journal of Economic Entomology* 98: 1824-1830.
10. **Munyaneza, J. E.**, J. M. Crosslin, and J. E. Upton. 2006. The beet leafhopper (Hemiptera: Cicadellidae) transmits the Columbia Basin potato purple top phytoplasma to potatoes, beets, and weeds. *Journal of Economic Entomology* 99: 268-272.
11. Crosslin, J. M., G. J. Vandemark, and **J. E. Munyaneza**. 2006. Development of real-time, quantitative PCR for detection of the Columbia Basin potato purple top phytoplasma in plants and beet leafhoppers. *Plant Disease* 90: 663-667.
12. Lee, I.-M., K. D. Bottner, **J. E. Munyaneza**, R. E. Davis, J. M. Crosslin, L. DuToit, and T. Crosby. 2006. Carrot purple leaf: a new spiroplasmal disease associated with carrots in Washington State. *Plant Disease* 90: 989-993.
13. Goolsby, J.A., B. Bextine, **J.E. Munyaneza**, M. Setamou, J. Adamczyk, and G. Bester. 2007. Seasonal abundance of sharpshooters, leafhoppers, and psyllids associated with potatoes affected by zebra chip disorder. *Subtropical Plant Science* 59: 15-23.
14. **Munyaneza, J.E.**, and J.M. Crosslin. 2007. Susceptibility of potato to the Columbia Basin potato purple top phytoplasma and its impact on potato tuber quality. *American Journal of Potato Research* 84: 105.
15. **Munyaneza, J.E.**, J.M. Crosslin, J.E. Upton. 2007. Association of *Bactericera cockerelli* (Hemiptera: Psyllidae) with 'Zebra Chip', a new potato disease in southwestern United States and Mexico. *Journal of Economic Entomology* 100: 656-663.
16. **Munyaneza, J.E.**, J.M. Crosslin, and I-M. Lee. 2007. Phytoplasma diseases and insect vectors in potatoes of the Pacific Northwest of the United States. *Bulletin of Insectology* 60: 181-182.
17. **Munyaneza, J.E.**, J.A. Goolsby, J.M. Crosslin, and J.E. Upton. 2007. Further evidence that zebra chip potato disease in the Lower Rio Grande Valley of Texas is associated with *Bactericera cockerelli*. *Subtropical Plant Science* 59: 30-37.
18. Pantoja, A., J.M. Alvarez, **J.E. Munyaneza**, A. Hagerty, and T. Adams. 2007. Aphids and leafhoppers associated with potato in Alaska. *American Journal of Potato Research* 84: 109.
19. Goolsby, J.A., J. Adamczyk, B. Bextine, D. Lin, **J.E. Munyaneza**, and G. Bester. 2007. Development of an IPM program for management of the potato psyllid to reduce incidence of zebra chip disorder in potatoes. *Subtropical Plant Science* 59: 85-94.
20. **Munyaneza, J.E.**, A.S Jensen, P.B. Hamm, and J.E. Upton. 2008. Seasonal occurrence and abundance of beet leafhopper in the potato growing region of Washington and Oregon Columbia Basin and Yakima Valley. *American Journal of Potato Research* 85: 77-84.

21. **Munyaneza, J.E.**, J.L. Buchman, J.E. Upton, J.A. Goolsby, J.M. Crosslin, G. Bester, *G.P. Miles*, and *V.G. Sengoda*. 2008. Impact of different potato psyllid populations on zebra chip disease incidence, severity, and potato yield. *Subtropical Plant Science* 60:27-37.
22. Pantoja, A., A.M. Hagerty, S.Y. Emmert, and **J.E. Munyaneza**. 2009. Leafhoppers (Homoptera: Cicadellidae) associated with potatoes in Alaska: species composition, seasonal abundance, and potential phytoplasma vectors. *American Journal of Potato Research* 86: 68-75.
23. Lin, H., H. Doddapaneni, **J.E. Munyaneza**, E.L. Civerolo, *V.G. Sengoda*, *J.L. Buchman*, and D.C. Stenger. 2009. Molecular characterization and phylogenetic analysis of 16S rRNA from a new "*Candidatus Liberibacter*" strain associated with zebra chip disease of potato (*Solanum tuberosum* L.) and the potato psyllid (*Bactericera cockerelli* Sulc). *Journal of Plant Pathology* 91: 213-217.
24. **Munyaneza, J.E.**, V.G. Sengoda, J.M. Crosslin, G. De la Rosa-Lozano, and A. Sanchez. 2009. First report of *Candidatus Liberibacter psyllauros* in potato tubers with zebra chip disease in Mexico. *Plant Disease* 93: 552.
25. **Munyaneza, J.E.**, V.G. Sengoda, J.M. Crosslin, J. Garzon-Tiznado, and O. Cardenas-Valenzuela. 2009. First Report of '*Candidatus Liberibacter solanacearum*' in Tomato Plants in Mexico. *Plant Disease* 93: 1076.
26. **Munyaneza, J.E.**, V.G. Sengoda, J.M. Crosslin, J. Garzon-Tiznado, and O. Cardenas-Valenzuela. 2009. First Report of '*Candidatus Liberibacter solanacearum*' in Pepper in Mexico. *Plant Disease* 93: 1076.
27. **Munyaneza, J.E.**, J.L. Buchman, and J.M. Crosslin. 2009. Seasonal Occurrence and Abundance of the Potato Psyllid, *Bactericera cockerelli*, in South Central Washington. *American Journal of Potato Research* 86: 513-518.
28. Crosslin, J. M., and **J.E. Munyaneza**. 2009. Evidence that the zebra chip disease and the putative causal agent can be maintained in potatoes by grafting and *in vitro*. *American Journal of Potato Research* 86: 183-187.
29. Gharalari, A.H., C. Nansen, D.S. Lawson, J. Gilley, **J.E. Munyaneza**, and K. Vaughn. 2009. Knockdown mortality, repellency and residual effects of insecticides for control of adult *Bactericera cockerelli* (Homoptera: Psyllidae). *Journal of Economic Entomology* 102: 1032-1038.
30. Miles, *G.P.*, J.L. Buchman, and **J.E. Munyaneza**. 2009. Impact of Zebra Chip Disease on the Mineral Content of Potato Tubers. *American Journal of Potato Research* 86:481-489.
31. **Munyaneza, J.E.**, J.M. Crosslin, and J.L. Buchman. 2009. Susceptibility of different potato cultivars to purple top disease. *American Journal of Potato Research* 86: 499-503.
32. Sengoda, V.G., **J.E. Munyaneza**, J.M. Crosslin, J.L. Buchman, and H.R. Pappu. 2010. Phenotypic and etiological differences between psyllid yellows and zebra chip diseases of potato. *American Journal of Potato Research* 87: 41-49.

33. **Munyaneza, J.E.**, J.M. Crosslin, J.L. Buchman, and V.G. Sengoda. 2010. Susceptibility of different potato plant growth stages to purple top disease. *American Journal of Potato Research* 87: 60-66.
34. **Munyaneza, J.E.**, J.M. Crosslin, J.E. Upton, and J.L. Buchman. 2010. Incidence of BLTVA phytoplasma in local populations of *Circulifer tenellus* (Hemiptera: Cicadellidae) in Washington State. *Journal of Insect Science* 10: 18. Available online: insectscience.org/10.18.
35. Miles, G.P., M.A. Samuel, J. Chen, E.L. Civerolo, and **J.E. Munyaneza**. 2010. Evidence that cell death is associated with zebra chip disease in potato tubers. *American Journal of Potato Research* 87: 337-349.
36. **Munyaneza, J.E.**, T.W. Fisher, V.G. Sengoda, S. F. Garczynski, A. Nissinen, and A. Lemmetty. 2010. First report of "*Candidatus Liberibacter solanacearum*" in carrots in Europe. *Plant Disease* 94: 639.
37. **Munyaneza, J.E.**, T.W. Fisher, V.G. Sengoda, S. F. Garczynski, A. Nissinen, and A. Lemmetty. 2010. Association of "*Candidatus Liberibacter solanacearum*" with the psyllid *Triozza apicalis* (Hemiptera: Triozidae) in Europe. *Journal of Economic Entomology* 103: 1060-1070.
38. Crosslin, J.M., **J.E. Munyaneza**, J.K. Brown, and L.W. Liefting. 2010. Potato zebra chip disease: a phytopathological tale. *Plant Health Progress* doi:10.1094/PHP-2010-0317-01-RV.
39. Yang, X.B., Y.M. Zhang, L. Hua, L.N. Peng, **J.E. Munyaneza**, and T.X. Liu. 2010. Repellency of selected biorational insecticides to potato psyllid, *Bactericera cockerelli* (Hemiptera: Psyllidae). *Crop Protection* 29: 1320-1324.
40. Pantoja, A., Hagerty, A.M., Emmert, S.Y., and **J.E. Munyaneza**. 2010. Leafhoppers and potatoes in Alaska. *Agroborealis* 41: 28-33.
41. Crosslin, J.M., **Munyaneza J.E.**, Brown, J.K., and L.W. Liefting. 2010. A history in the making: Potato zebra chip disease associated with a new psyllid-borne bacterium – A tale of striped potatoes. APSnet, Online <http://apsnet.org/online/feature/zebra/>
42. **Munyaneza, J.E.** 2010. Psyllids as vectors of emerging bacterial diseases of annual crops. *Southwestern Entomologist* 35: 471-477.
43. **Munyaneza, J.E.** 2010. Emerging leafhopper-transmitted phytoplasma diseases of potato. *Southwestern Entomologist* 35: 451-455.
44. Nelson, W.R, T.W. Fisher, and **J.E. Munyaneza**. 2010. Haplotypes of "*Candidatus Liberibacter solanacearum*" suggest long-standing separation. *European Journal of Plant Pathology* 130:5-12.
45. Ember, I., Z. Acs, **J.E. Munyaneza**, J.M. Crosslin, and M. Kolber. 2011. Survey and molecular detection of phytoplasmas associated with potato in Romania and Southern Russia. *European Journal of Plant Pathology* 130: 367-377.

46. Peng, L., J.T. Trumble, **J.E. Munyaneza**, and T.X. Liu. 2011. Repellency of a kaolin particle film to potato psyllid, *Bactericera cockerelli* (Hemiptera: Psyllidae) on tomato under laboratory and field conditions. *Pest Management Science* 67: 815-824.
47. Lacey, L.A., T.X. Liu, J.L. Buchman, **J.E. Munyaneza**, J.A. Goolsby, and D.R. Horton. 2011. Entomopathogenic fungi (Hypocreales) for control of potato psyllid, *Bactericera cockerelli* (Šulc) (Hemiptera: Triozidae) in an area endemic for zebra chip disease of potato. *Biological Control* 56: 271-278.
48. **Munyaneza, J.E.**, A. Lemmetty, A.I. Nissinen, V.G. Sengoda, and T.W. Fisher. 2011. Molecular detection of aster yellows phytoplasma and “*Candidatus Liberibacter solanacearum*” in carrots affected by the psyllid *Triozza apicalis* (Hemiptera: Triozidae) in Finland. *Journal of Plant Pathology* 93: 697-700.
49. Crosslin J.M., Lin H., and **J.E. Munyaneza**. 2011. Detection of ‘*Candidatus Liberibacter solanacearum*’ in the potato psyllid, *Bactericera cockerelli* (Sulc), by conventional and real-time PCR. *Southwestern Entomologist* 36: 125-135.
50. Crosslin, J.M., L.L. Hamlin, J.L. Buchman, and **J.E. Munyaneza**. 2011. Transmission of potato purple top phytoplasma to potato tubers and daughter plants. *American Journal of Potato Research* 88: 339-345.
51. Buchman J.L., V.G. Sengoda, and **J.E. Munyaneza**. 2011. Vector transmission efficiency of liberibacter by *Bactericera cockerelli* (Hemiptera: Triozidae) in zebra chip potato disease: effects of psyllid life stage and inoculation access period. *Journal of Economic Entomology* 104: 1486-1495.
52. Buchman J.L., B.E. Heilman, and **J.E. Munyaneza**. 2011. Effects of *Bactericera cockerelli* (Hemiptera: Triozidae) density on zebra chip potato disease incidence, potato yield, and tuber processing quality. *Journal of Economic Entomology* 104: 1783-1792.
53. **Munyaneza J.E.**, J.L. Buchman, V.G. Sengoda, T.W. Fisher, and C.C. Pearson. 2011. Susceptibility of selected potato varieties to zebra chip potato disease. *American Journal of Potato Research* 88: 435-440.
54. Liu Q, C Jianchi, **J.E. Munyaneza**, and E.L. Civerolo. 2011. Endophytic bacterial in potato tubers affected by zebra chip disease. *American Phytopathological Society* 101: S108.
55. **Munyaneza J.E.**, V.G. Sengoda, J.L. Buchman, and T.W. Fisher. 2012. Effects of temperature on ‘*Candidatus Liberibacter solanacearum*’ and zebra chip potato disease symptom development. *Plant Disease* 96: 18-23.
56. **Munyaneza, J.E.**, V.G. Sengoda, L. Sundheim, and R. Meadow. 2012. First report of “*Candidatus Liberibacter solanacearum*” associated with psyllid-affected carrots in Norway. *Plant Disease* 96: 454.
57. **Munyaneza, J.E.**, V.G. Sengoda, R. Stegmark, A.K. Arvidsson, O. Anderbrant, J.K. Yuvaraj, B. Ramert, and A. Nissinen. 2012. First report of “*Candidatus Liberibacter solanacearum*” associated with psyllid-affected carrots in Sweden. *Plant Disease* 96: 453.

58. Crosslin, J.M., P.B. Hamm, J.E. Eggers, S.I. Rondon, V.G. Sengoda, and **J.E. Munyaneza**. 2012. First report of zebra chip disease and “*Candidatus Liberibacter solanacearum*” on potatoes in Oregon and Washington State. *Plant Disease* 96: 452.
59. Buchman, J.L., T.W. Fisher, V.G. Sengoda, and **J.E. Munyaneza**. 2012. Zebra chip progression: from inoculation to potato plants with liberibacter to development of disease symptoms in tubers. *American Journal of Potato Research* 89: 159-168.
60. Nissinen, A.I., A. Lemmetty, J.M. Pihlava, L. Jauhiainen, **J.E. Munyaneza**, and P. Vanhala. 2012. Effects of carrot psyllid (*Triozza apicalis*) feeding on carrot yield and content of sugars and phenolic compounds. *Annals of Applied Biology* 161: 68-80.
61. Goolsby, J.A., J.J. Adamczyk, J.M. Crosslin, N.N. Troxclair, J.R. Anciso, G.G. Bester, J.D. Bradshaw, E.D. Bynum, L.A. Carpio, D.C. Henne, A. Joshi, **J.E. Munyaneza**, P. Porter, P.E. Sloderbeck, J.R. Supak, C.M. Rush, F.J. Willett, B.J. Zechmann, and B.A. Zens. 2012. Seasonal population dynamics of the potato psyllid (Hemiptera: Triozidae) and its associated pathogen “*Candidatus Liberibacter solanacearum*” in potatoes in the southern Great Plains of North America. *Journal of Economic Entomology* 105: 1268-1278.
62. Swisher, K.D., **J.E. Munyaneza**, and J.M. Crosslin. 2012. High resolution melting analysis of the cytochrome oxidase I gene identifies three haplotypes of the potato psyllid in the United States. *Environmental Entomology* 41: 1019-1028.
63. **Munyaneza, J.E.** 2012. Zebra chip disease of potato: biology, epidemiology, and management. *American Journal of Potato Research* 89: 329-350.
64. Zack, R.S, P.J. Landolt, and **J.E. Munyaneza**. 2012. The stink bugs (Hemiptera: Heteroptera: Pentatomidae) of Washington State. *Great Lakes Entomologist* 45: 251-262.
65. **Munyaneza, J.E.**, J.L. Buchman, V.G. Sengoda, J.A. Goolsby, A.P. Ochoa, J. Trevino, and G. Schuster. 2012. Impact of potato planting time on incidence of potato zebra chip disease in the Lower Rio Grande Valley of Texas. *Southwestern Entomologist* 37: 253-262.
66. Davis, T.S., D.R. Horton, **J.E. Munyaneza**, and P.J. Landolt. 2012. Experimental infection of plants with an herbivore-associated bacterial endosymbiont influences herbivore host selection behavior but not reproduction. *PLoS ONE* 7(11): e49330. doi:10.1371/journal.pone.0049330.
67. Nelson, W.R., V.G. Sengoda, J.M. Crosslin, A.O. Alfaro-Fernández, M.I. Font, and **J.E. Munyaneza**. 2013. A new haplotype of “*Candidatus Liberibacter solanacearum*” in the Mediterranean region. *European Journal of Plant Pathology* 135: 633-639.
68. Swisher, K.D., **J.E. Munyaneza**, and J.M. Crosslin. 2013. Temporal analysis of potato psyllid haplotypes in the United States. *Environmental Entomology* 42: 381-393.
69. Swisher, K.D., A.P. Arp, B.R. Bextine, E.Y. Aguilar Alvarez, J.M. Crosslin, and **J.E. Munyaneza**. 2013. Haplotyping the potato psyllid, *Bactericera cockerelli*, in Mexico and Central America. *Southwestern Entomologist* 38: 201-208.

70. **Munyanzeza, J.E.**, J.L. Buchman, and D.C. Henne. 2013. Effects of potato psyllid and zebra chip disease on potato seed and postharvest. *American Journal of Potato Research* 90: 139.
71. Hamm, P.B., S.I. Rondon, J.E. Eggers, J.M. Crosslin, and **J.E. Munyanzeza**. 2013. Zebra chip, the Columbia Basin experience in Oregon and Washington in 2011. *American Journal of Potato Research* 90: 133.
72. Swisher, K.D., J.M. Crosslin, and **J.E. Munyanzeza**. 2013. Three biotypes of the potato psyllid, *Bactericera cockerelli* (Sulc), identified within the United States by High Resolution Melting Analysis. *American Journal of Potato Research* 90: 151.
73. Ananthakrishnan, G., N. Choudhary, A. Roy, V.G. Sengoda, E. Postnikova, J.S. Hartung, A.L. Stone, V.D. Damsteegt, W.L. Schneider, **J.E. Munyanzeza**, and R.H. Brlansky. 2013. Development of primers and probes for genus and species specific detection of ‘*Candidatus Liberibacter*’ by real-time PCR. *Plant Disease* 97: 1235-1243.
74. Liu, Q., J. Chen, **J.E. Munyanzeza**, E. Civerolo, and C. Wallis. 2013. Scanning electron microscopy and *in vitro* cultivation of endophytic bacteria from potato tubers afflicted with zebra chip. *Canadian Journal of Plant Pathology* 35: 192-199.
75. **Munyanzeza, J.E.**, V.G. Sengoda, E. Aguilar, B. Bextine, and K.F. McCue. 2013. First report of “*Candidatus Liberibacter solanacearum*” associated with psyllid-infested tobacco in Nicaragua. *Plant Disease* 97: 1244.
76. Bextine, B., E. Aguilar, A.R. Rueda, O. Caceres, V.G. Sengoda, K.F. McCue, and **J.E. Munyanzeza**. 2013. First report of “*Candidatus Liberibacter solanacearum*” on tomato in El Salvador. *Plant Disease* 97: 1245.
77. Aguilar, E., V.G. Sengoda, B. Bextine, K.F. McCue, and **J.E. Munyanzeza**. 2013. First report of “*Candidatus Liberibacter solanacearum*” on tomato in Honduras. *Plant Disease* 97: 1375.
78. Aguilar, E., V.G. Sengoda, B. Bextine, K.F. McCue, and **J.E. Munyanzeza**. 2013. First report of “*Candidatus Liberibacter solanacearum*” on tobacco in Honduras. *Plant Disease* 97: 1376.
79. Guédot, C., D.R. Horton, P.J. Landolt, and **J.E. Munyanzeza**. 2013. Effect of mating on sex attraction in *Bactericera cockerelli* with evidence of refractoriness. *Entomologia Experimentalis et Applicata* 149: 27-35.
80. Sengoda, V.G., J.L. Buchman, D.C. Henne, H.R. Pappu, and **J.E. Munyanzeza**. 2013. “*Candidatus Liberibacter solanacearum*” titer over time in the potato psyllid, *Bactericera cockerelli* (Hemiptera: Triozidae), following acquisition from infected potato and tomato plants. *Journal of Economic Entomology* 106: 1964-1972.
81. Nelson, W.R., **J.E. Munyanzeza**, K.F. McCue, and J.M. Bové. 2013. The Pangean origin of ‘*Candidatus Liberibacter*’ species. *Journal of Plant Pathology* 95: 455-461.
82. Swisher, K.D., V.G. Sengoda, J. Dixon, E. Echeagaray, A.F. Murphy, S.I. Rondon, **J.E. Munyanzeza**, and J.M. Crosslin. 2013. Haplotype of the potato psyllid, *Bactericera cockerelli*, on

the wild host plant, *Solanum dulcamara*, in the Pacific Northwestern United States. American Journal of Potato Research 90: 570-577.

83. **Munyaneza, J.E.**, V.G. Sengoda, E. Aguilar, B. Bextine, and K.F. McCue. 2013. First report of “*Candidatus Liberibacter solanacearum*” on eggplant in Honduras. Plant Disease 97: 1654.
84. **Munyaneza, J.E.**, V.G. Sengoda, E. Aguilar, B. Bextine, and K.F. McCue. 2014. First report of “*Candidatus Liberibacter solanacearum*” on pepper in Honduras. Plant Disease 98: 154.
85. Murphy, A.F., S.I. Rondon, R. Marchosky, J. Buchman, and **J.E. Munyaneza**. 2013. Evaluation of beet leafhopper transmitted virescence agent damage in the Columbia Basin. American Journal of Potato Research: doi 10.1007/s12230-013-9335-y.
86. Cooper, W.R., V.G. Sengoda, and **J.E. Munyaneza**. 2013. Localization of ‘*Candidatus Liberibacter solanacearum*’ in *Bactericera cockerelli* (Hemiptera: Triozidae). Annals of the Entomological Society of America 107: 204-210.
87. Arp, A., **J.E. Munyaneza**, J.M. Crosslin, J.T. Trumble., and B. Bextine. 2014. A global comparison of *Bactericera cockerelli* (Hemiptera: Triozidae) microbial communities. Environmental Entomology (in press)
88. Nelson, W.R., K.D. Swisher, J.M. Crosslin, and **J.E. Munyaneza**. 2014. Migration of the potato psyllid *Bactericera cockerelli* into potato crops. Southwestern Entomologist (in press)
89. Pearson, C.C., E.A. Backus, H.J. Shugart, and **J.E. Munyaneza**. 2014. Characterization and correlation of EPG waveforms of the psyllid *Bactericera cockerelli* (Hemiptera: Triozidae): variability in waveform appearance in relation to applied signal. Annals of the Entomological Society of America (in press)
90. **Munyaneza, J.E.**, V.G. Sengoda, L. Sundheim, and R. Meadow. 2014. Survey of “*Candidatus Liberibacter solanacearum*” in carrot crops affected by the psyllid *Trioza apicalis* (Hemiptera: Triozidae) in Norway. Journal of Plant Pathology (accepted)
91. Swisher, K.D., V.G. Sengoda, J. Dixon, **J.E. Munyaneza**, A.F. Murphy, S.I. Rondon, B. Thompson, A.V. Karasev, E.J. Wenninger, N. Olsen, and J.M. Crosslin. 2014. Assessing potato psyllid haplotypes in potato crops in the Pacific Northwestern United States. American Journal of Potato Research (in press)
92. Horton, D.R., E. Miliczky, **J.E. Munyaneza**, K.D. Swisher, and A.S. Jensen. 2014. Absence of photoperiod effects on mating and ovarian maturation by three haplotypes of potato psyllid (Hemiptera: Triozidae). Journal of the Entomological Society of British Columbia (accepted)
93. Sengoda, V.G., W.R. Cooper, K.D. Swisher, D.C. Henne, and **J.E. Munyaneza**. 2014. Latent period and transmission of “*Candidatus Liberibacter solanacearum*” by the potato psyllid *Bactericera cockerelli* (Hemiptera: Triozidae). PLOS ONE (accepted)
94. Nwugo, C.C., V.G. Sengoda, **J.E. Munyaneza**, L. Tian, and H. Lin. 2014. Combined transcriptional, translation and nutritional analyses of potato tissues reveal novel host response

mechanisms to '*Candidatus Liberibacter solanacearum*' infection. The Plant Journal (under review)

Additional Non-Refereed Publications

95. **Munyaneza, J.E.** 1984. Distribution and abundance of insects in the *Hagenia abyssinica* forest of the Volcanoes National Park. Technical Research Report. National University of Rwanda, Butare, Rwanda. 47 pp.
96. **Munyaneza, J.E.** 1986. Ecological factors influencing the distribution and abundance of short-horned grasshoppers (Acrididae) in the rain forest of the Volcanoes National Park: "Case Study of *Occidentosphenia ruandensis*". M.S. Thesis. National University of Rwanda, Butare, Rwanda. 83 pp.
97. **Munyaneza, J.E.** 1993. Comparative study of life history, laboratory rearing, and immature stages of *Euschistus servus* and *Euschistus variolarius* (Hemiptera: Pentatomidae). M.S. Thesis. Southern Illinois University, Carbondale, Illinois. 30 pp.
98. **Munyaneza, J.E.** 1996. Assessment of *Coleomegilla maculata* (Coleoptera: Coccinellidae) predation of the Colorado potato beetle (Coleoptera: Chrysomelidae). PhD. Dissertation. Iowa State University, Ames, Iowa. 141 pp.
99. Giles, K. L., Obrycki, J. J., Rice, M. E., Pedigo, L. P., Barnhart, S. K., Hogg, D., DeGooyer, T.A., Kenney, D., and **J.E. Munyaneza**. 1999. Integrated Pest Management of alfalfa insects in the upper Midwest. Extension and Leopold Center (for sustainable agriculture) Publication, Iowa state University, Ames, IA. 48 pp.
100. Suranyi, R. A., Longtine, C. A., Ragsdale, D. W., Radcliffe, E. B., and **J.E. Munyaneza**. 1999. Control of Colorado potato beetle, 1998A. Arthropod Management Tests 1999, 24: 169.
101. Suranyi, R. A., Longtine, C.A., Ragsdale, D.W., Radcliffe, E. B., and **J.E. Munyaneza**. 1999. Control of Colorado potato beetle, 1998B. Arthropod Management Tests 1999, 24: 169-170.
102. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2000. Control of green peach aphid on potatoes, 1999. Arthropod Management Tests 2000, 25: 142.
103. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2000. Control of potato insect pests using treated potato seeds, 1999. Arthropod Management Tests 2000, 25: 142-145.
104. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2000. Control of potato leafhopper and green peach aphid using reduced rates of insecticides, 1999. Arthropod Management Tests 2000, 25: 145-146.
105. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2000. Control of potato leafhopper adults using reduced rates of insecticides, 1999. Arthropod Management Tests 2000, 25: 147.
106. **Munyaneza, J.E.**, Radcliffe, E. B., and D. W. Ragsdale. 2000. Control of Colorado potato beetle on potatoes, 1999. Arthropod Management Tests 2000, 25: 140-141.

107. **Munyaneza, J.E.**, Radcliffe, E. B., and D. W. Ragsdale. 2000. Control of potato leafhopper on potatoes, 1999. *Arthropod Management Tests* 2000, 25: 141-142.
108. **Munyaneza, J.E.**, Radcliffe, E. B., and D. W. Ragsdale. 2000. Control of green peach aphid using reduced rates of insecticides, 1999. *Arthropod Management Tests* 2000, 25: 147-148.
109. **Munyaneza, J.E.**, Radcliffe, E. B., Ragsdale, D. W., and A. Nasruddin. 2001. Control of Colorado potato beetle on potatoes using foliar insecticides, 2000. *Arthropod Management Tests* 2001, 26: E54.
110. **Munyaneza, J.E.**, Ragsdale, D. W., Radcliffe, E. B., and A. Nasruddin. 2001. Control of green peach aphid using soil applied insecticides and treated potato seeds, 2000. *Arthropod Management Tests* 2001, 26: E58.
111. **Munyaneza, J.E.**, Radcliffe, E. B., Ragsdale, D. W., and A. Nasruddin. 2001. Control of wireworms on potatoes, 2000. *Arthropod Management Tests* 2001, 26: E59.
112. **Munyaneza, J.E.**, Ragsdale, D. W., Radcliffe, E. B., and A. Nasruddin. 2001. Control of green peach aphid on potatoes using foliar insecticides, 2000. *Arthropod Management Tests* 2001, 26: E56.
113. **Munyaneza, J.E.**, Ragsdale, D. W., Radcliffe, E. B., and A. Nasruddin. 2001. Control of Colorado potato beetle using soil applied insecticides and treated potato seeds, 2000. *Arthropod Management Tests* 2001, 26: E57.
114. **Munyaneza, J.E.**, Ragsdale, D. W., Radcliffe, E. B., and A. Nasruddin. 2001. Control of green peach aphid using soil applied insecticides and treated potato seeds, 2000. *Arthropod Management Tests* 2001, 26: E58.
115. **Munyaneza, J.E.**, Radcliffe, E. B., and D. W. Ragsdale. 2002. Control of Colorado potato beetle on potatoes using foliar insecticides, 2001. *Arthropod Management Tests* 2002, 27: E70.
116. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2002. Control of potato leafhopper on potatoes using soil applied insecticides and treated potato seeds, 2001. *Arthropod Management Tests* 2002, 27: E74.
117. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2002. Control of green peach aphid on potatoes using foliar insecticides, 2001. *Arthropod Management Tests* 2002, 27: E72.
118. **Munyaneza, J.E.**, Ragsdale, D. W., and E. B. Radcliffe. 2002. Control of Colorado potato beetle using soil applied insecticides and treated potato seeds, 2001. *Arthropod Management Tests* 2002, 27: E73.
119. **Munyaneza, J.E.**, Radcliffe, E. B., and D. W. Ragsdale. 2002. Control of potato leafhopper on potatoes using foliar insecticides, 2001. *Arthropod Management Tests* 2002, 27: E71.
120. Collins, H., F. Pierce, R. Boydston, N. Grunwald, and **J.E. Munyaneza**. 2003. Adopting conservation tillage in irrigated cropping systems. 42nd Annual Washington State Potato Conference and Trade Show Proceedings, pp. 81-92. Moses Lake, WA.

121. **Munyaneza, J.E.** 2003. Leafhopper identification and biology. 17th Annual Convention of the Pacific Northwest Vegetable Association Proceedings, pp. 89-91. Pasco, WA.
122. Thomas, P., J. Crosslin, K. Pike, A. Schreiber, A. Jensen, **J.E. Munyaneza**, P. Hamm, M. Nielsen, and J. Upton. 2003. Source and dissemination of the BLTVA in potatoes. Potato Progress: Vol. 3, No. 7, pp. 3-4.
123. **Munyaneza, J.E.** 2004. Leafhopper-transmitted diseases: emerging threat to Pacific Northwest potatoes. Proceedings of the University of Idaho Winter Commodity Schools 2004, pp. 141-150. Pocatello, ID.
124. Jensen, A., P. Hamm, P. Thomas, J. Crosslin, and **J.E. Munyaneza**, A. Schreiber, K. Pike. 2004. Purple top, BLTVA, and leafhoppers: an update. Potato Progress: Vol. 4, No. 3, pp. 1-3.
125. **Munyaneza, J.E.** 2004. Leafhopper population dynamics in the south Columbia Basin. 43rd Annual Washington State Potato Conference and Trade Show Proceedings, pp. 51-58. Moses Lake, WA.
126. **Munyaneza, J.E.**, J. M. Crosslin, A. S. Jensen, P. B. Hamm, P. E. Thomas, H. Pappu, and A. Schreiber. 2005. Update on the potato purple top disease in the Columbia Basin. Proceedings of the 44th Annual Washington State Potato Conference, pp. 57-70. Moses Lake, WA.
127. **Munyaneza, J.E.** 2005. Purple top disease and beet leafhopper transmitted virescence agent (BLTVA) phytoplasma in potatoes of the Pacific Northwest of the United States, pp. 211-220. *In:* A. J. Haverkort and P. C. Struik [eds.], "Potato in progress: science meets practice". Wageningen Academic Publishers, Wageningen, The Netherlands. 366 pp. (Book chapter)
128. **Munyaneza, J.E.** 2006. Research update: potato purple top disease and beet leafhoppers in the Columbia Basin. Potato Country 22(1): 28-29.
129. **Munyaneza, J.E.** 2006. Impact of the Columbia Basin potato purple top phytoplasma on potato tuber processing quality. Potato Country USA 22(7): 12-13.
130. Crosslin, J.M., and **J.E. Munyaneza**. 2006. Tuber transmission of purple top phytoplasma. Potato Progress 7(11): 2-3.
131. **Munyaneza, J.E.**, J.M. Crosslin, A.S. Jensen, P.B. Hamm, and A. Schreiber. 2006. Beet leafhopper and potato purple top disease: 2005 season recap and new research directions, pp. 107-118. *In:* Proceedings, 45th Annual Washington State Potato Conference, 7-9 February 2006, Moses Lake, WA. Washington State Potato Commission, Moses Lake, WA.
132. Pantoja, A., J. Alvarez, **J.E. Munyaneza**, A.M. Hagerty, and T. Adams. 2006. Aphids and leafhoppers associated with potatoes in Alaska. Proceedings of the PAA/Solanaceae 2006 Meeting, pp. 193-194. Madison, WI.
133. **Munyaneza, J.E.**, and J.M. Crosslin. 2007. Assessing the impact of purple top disease pathogen on potatoes in the Columbia Basin, pp. 75-80. *In:* Proceedings, 46th Annual Washington State

Potato Conference, 6-8 February 2007, Moses Lake, WA. Washington State Potato Commission, Moses Lake, WA.

134. **Munyaneza, J.E.**, and J.M. Crosslin. 2008. Zebra chip, a new potato disease in North and Central America, is associated with the potato psyllid, pp. 124-127. *In*: S. Chiru, G. Olteanu, C. Aldea, and C. Badarau [eds.], "Potato for a changing world". Transilvania University of Brasov Publishing House, Brasov, Romania. (Book chapter)
135. Crosslin, J.M., and **J.E. Munyaneza**. 2008. Phytoplasma diseases of potatoes in the Northwest United States, pp. 128-129. *In*: S. Chiru, G. Olteanu, C. Aldea, and C. Badarau [eds.], "Potato for a changing world". Transilvania University of Brasov Publishing House, Brasov, Romania. (Book chapter)
136. **Munyaneza, J.E.** 2008. Insect phytoplasma/bacteria relationship: case of potato purple top and zebra chip diseases, pp. 1-8. *In*: Proceedings, 2008 International Symposium on Plant Pathogenic Bacteria, 17-18 September 2008, Guadalajara, Mexico. University of Guadalajara and Mexican Society of Phytopathology, Guadalajara, Mexico.
137. **Munyaneza, J.E.**, Buchman, J.L., Sengoda, V.G., Fisher, T.W., Bester, G., Hoopes, R., Miller, C., Novy, R., Van Hest, P., and J. Nordgaard. 2010. Potato variety screening trial for zebra chip resistance under controlled field cage conditions. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 200-203.
138. **Munyaneza, J.E.**, Buchman, J.L., Goolsby, J.A., Ochoa A.P., and G. Schuster. 2010. Impact of potato planting timing on zebra chip incidence in Texas. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 106-109.
139. Goolsby, J.A., J. Adamczyk, J.M. Crosslin, **J.E. Munyaneza**, N. Troxclair, J. Anciso, R. Villaneuva, P. Porter, E. Bynum, C. Rush, F. Workneh, D. Henne, C. Nansen, P. Sloderbeck, A. Joshi, L. Buschmann, J. Bradshaw, B. Lee, B. Zechmann, and G. Bester. 2010. Regional monitoring of potato psyllid populations and the associated pathogen, *Ca. Liberibacter solanacearum*. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, p. 1-4.
140. Crosslin, J.M., J.A. Goolsby, and **J.E. Munyaneza**. 2010. Incidence of "*Candidatus Liberibacter solanacearum*" in potato psyllids collected in the south-central United States in 2010. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 5-9.
141. Buchman, J.L., V.G. Sengoda, and **J.E. Munyaneza**. 2010. Potato psyllid density and feeding duration required to cause zebra chip. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 187-191.
142. Buchman, J.L., T.W. Fisher, and **J.E. Munyaneza**. 2010. Zebra chip disease development over time. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 169-172.
143. Pearson, C.C., E.A. Backus, and **J.E. Munyaneza**. 2010. Feeding biology of the potato psyllid, *Bactericera cockerelli*. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 178-182.

144. Novy, R.G., Whitworth, J., Alvarez, J., Trumble, J.T., Butler, C., Buchman, J.L., and **J.E. Munyaneza**. 2010. Unique tri-species germplasm with multiple insect resistances and its use in breeding for resistance to psyllid/zebra chip. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 103-105.
145. Miller JC, Scheuring DC, Koym J, Turner SD, Novy R, Trumble JT, Butler CD, Nansen C, Vaughn K, Liu TX, **Munyaneza JE**, Pierson E, Rush CM, Jifon J, French R, Tamborindeguy C, and Porter P. 2010. Progress in identifying host plant tolerance/resistance to zebra chip in potato germplasm. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 96-98.
146. Lacey L.A., Liu T.X., Buchman J.L., **Munyaneza J.E.**, and Goolsby J.A. 2010. Entomopathogenic fungi (Hypocreales) for control of potato psyllid. Proceedings of the 10th Annual Zebra Chip Reporting Session, Dallas, TX, pp. 74-77.
147. **Munyaneza, J.E.** 2011. Biology and management of the potato psyllid and zebra chip disease. APS-Plant Management Network (PMN), Online Webcast: <http://www.plantmanagementnetwork.org/edcenter/seminars/potato/PotatoPsyllid/>
148. Crosslin, J.M., J.A. Goolsby, and **J.E. Munyaneza**. 2011. Liberibacter testing of 2011 psyllids and research update, pp. 17-21. *In*: Proceedings of the 11th Annual Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
149. Goolsby, J.A., J.J. Adamczyk, J.M. Crosslin, N.N. Troxclair, J.R. Anciso, G.G. Bester, J.D. Bradshaw, E.D. Bynum, L.A. Carpio, D.C. Henne, A. Joshi, **J.E. Munyaneza**, P. Porter, P.E. Sloderbeck, J.R. Supak, C.M. Rush, F.J. Willett, B.J. Zechmann, and B.A. Zens. 2011. Regional monitoring of potato psyllid populations and the associated pathogen, *Ca. Liberibacter psyllaourous*, pp. 12-16. *In*: Proceedings of the 11th Annual Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
150. Guédot C., D.R. Horton, P.J. Landolt, **J.E. Munyaneza**, and J. Millar. 2011. Efforts to identify the sex pheromone of the potato psyllid, pp. 112-116. *In*: Proceedings of the 11th Annual Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
151. Hamm, P.B., S.I. Rondon, J.M. Crosslin, and **J.E. Munyaneza**. 2011. A new threat in the Columbia Basin of Oregon and Washington: zebra chip, pp. 1-5. *In*: Proceedings of the 11th Annual Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
152. Henne, D.C., J.A. Goolsby, T.E. Mirkov, and **J.E. Munyaneza**. 2011. Potato psyllid and zebra chip disease management in South Texas, pp. 41-45. *In*: Proceedings of the 11th Annual Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
153. **Munyaneza, J.E.**, J.L. Buchman, B.E. Heilman, V.G. Sengoda, G. Bester, R. Hoopes, C. Miller, R. Novy, and P. Van Hest. 2011. Update on potato variety screening trial for zebra chip under controlled field cage conditions, pp. 106-109. *In*: Proceedings of the 11th Annual Zebra Chip

Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).

154. **Munyaneza, J.E.**, J.L. Buchman, B.E. Heilman, V.G. Sengoda, and D.C. Henne. 2011. Effects of zebra chip and potato psyllid on potato seed quality, pp. 37-40. *In: Proceedings of the 11th Annual Zebra Chip Reporting Session*, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
155. Ochoa, A., G. Schuster, B. Bextine, S. Nelson, and **J.E. Munyaneza**. 2011. Using biotyping to establish temporal and spatial relationship between potato psyllid populations colonizing potatoes in Texas, pp. 92-96. *In: Proceedings of the 11th Annual Zebra Chip Reporting Session*, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
156. Trevino, J., G. Schuster, S.D. Nelson, A.P. Ochoa, and **J.E. Munyaneza**. 2011. Effects of potato planting dates on psyllid populations and zebra chip incidence in Texas, pp. 127-130. *In: Proceedings of the 11th Annual Zebra Chip Reporting Session*, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (November 6-9, 2011).
157. Halbert, S.E., and **J.E. Munyaneza**. 2012. Potato psyllids and associated pathogens: a diagnostic aid. Florida State Collection of Arthropods, Gainesville, FL. http://www.fsca-dpi.org/Homoptera_Hemiptera/Potato_psyllids_and_associated_pathogens.pdf
158. Rondon, S., A. Schreiber, A. Jensen, P. Hamm, **J.E. Munyaneza**, P. Nolte, N. Olsen, E. Wenninger, D. Henne, C. Wohleb, and T. Waters. 2012. Potato psyllid vector of zebra chip disease in the Pacific Northwest: biology, ecology, and management. Oregon State University Extension Bulletin 633.
159. **Munyaneza, J.E.** 2012. Psyllid lineup: identifying the pests that carry zebra chip. *Potato Grower* 6: 18-20.
160. **Munyaneza, J.E.** 2012. Zebra chip disease: identification, epidemiology, control and threat to Latin American potato industry. *Proceedings of the 25th Congress of the Latin American Potato Association (ALAP)*. Uberlandia, Brazil (September 17-20, 2012).
161. Henne, D.C, and **J.E. Munyaneza**. 2012. Biology and management of emerging diseases associated with psyllids and *Liberibacter* in potato and other solanaceous crops, pp. 74-83. *In: Proceedings of the 4th National and 3rd International Symposium on Plant Pathogenic Bacteria*, ed. G. Virgen. Guadalajara, Mexico (September 24-27, 2012).
162. **Munyaneza, J.E.** 2012. Assessing the risks of spreading zebra chip disease. *The Global Herald*, October 26th, pp. 1-2.
163. **Munyaneza, J.E.**, J.L. Buchman, and D.C. Henne. 2012. Effects of zebra chip disease on potato harvest, pp. 23-25. *In: Proceedings of the 12th Annual SCRI Zebra Chip Reporting Session*, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (October 30-November 2, 2012).
164. **Munyaneza, J.E.**, J.L. Buchman, G. Bester, R. Novy, C. Miller, P. van Hest, J. Nordgaard, S. Yilma, and C. Wallis. 2012. Update on the potato variety screening for zebra chip resistance

- trial, pp. 122-124. *In*: Proceedings of the 12th Annual SCRI Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (October 30-November 2, 2012).
165. Novy, R.G., J.T. Trumble, C.D. Butler, J. Diaz-Montano, B. Gonzalez, K.L. Nanjunath, R.F. Lee, and **J.E. Munyaneza**. 2012. Breeding clones derived from wild potato species exhibit resistance to potato psyllid and possible resistance to zebra chip disease, pp. 118-121. *In*: Proceedings of the 12th Annual SCRI Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (October 30-November 2, 2012).
166. Swisher, K.D., **J.E. Munyaneza**, and J.M Crosslin. 2012. Haplotyping studies of the potato psyllid by High Resolution Melting Analysis, pp. 109-113. *In*: Proceedings of the 12th Annual SCRI Zebra Chip Reporting Session, ed. F. Workneh, A. Rashed, and C.M. Rush. San Antonio, TX (October 30-November 2, 2012).
167. **Munyaneza, J.E.**, and D.C. Henne. 2013. Leafhopper and psyllid pests of potato, pp. 65-102. *In*: P. Giordanengo, C. Vincent, and A. Alyokhin [eds.], "Insect Pests of Potato: Global Perspectives on Biology and Management". Academic Press, San Diego, CA. (Book chapter)
168. **Munyaneza, J.E.** 2013. Manage zebra chip: Understand the life stages of the disease vector, the potato psyllid, to determine which control strategies to apply. American Vegetable Grower, September 2013 Issue, pp. 12-13.
169. **Munyaneza, J.E.** 2013. *Bactericera cockerelli*. European and Mediterranean Plant Protection Organization Bulletin 43: 202-208.
170. **Munyaneza, J.E.** 2013. 'Candidatus Liberibacter solanacearum'. European and Mediterranean Plant Protection Organization Bulletin 43: 197-201.
171. **Munyaneza, J.E.** 2014. *Bactericera cockerelli*. Centre for Agriculture and Bioscience International Invasive Species Compendium (in press)
172. **Munyaneza, J.E.** 2014. *Candidatus Liberibacter solanacearum*. Centre for Agriculture and Bioscience International Invasive Species Compendium (in press)

Curriculum vitae (COMPLETE)

Number of pages: 27

Name: Ana Olvido Alfaro Fernández

Date: 21-01-2014

Find marked in red the different achievements related to the pathogen *Candidatus Liberibacter solanacearum*

I.- General Information

I.1.- PERSONAL INFORMATION

SURNAME: ALFARO FERNÁNDEZ
NAME: ANA OLVIDO
DNI: 29195003-E DATE OF BIRTH:24-08-1978
PERSONAL ADDRESS: PLAZA JOSÉ MARÍA ORENSE, 5-16
CITY: VALENCIA ZIP CODE: 46022 TELEPHONE: 605085313

I.2.- CURRENT TUATION

ORGANIZATION: UNIVERDAD POLITÉCNICA DE VALENCIA
INSTITUTE: INSTITUTO AGROFORESTAL MEDITERRÁNEO
DEPARTMENT : VIROLOGÍA
POSTAL ADDRESS: CNO. VERA, S/N (EDIFICIO 3K- 1ª PLANTA). 46022 VALENCIA

TELEPHONE: 963879259
FAX: 963879269
EMAIL: analfer1@doctor.upv.es

PROFESIONAL CATEGORY: Técnico superior de laboratorio Grado doctor
START DATE: 15-04-10
TUATION: FULL TIME CONTRACT

I.3.- ACADEMIC TRAINING

TITLE	CENTER	DATE
Ingeniero Agrónomo	ETA. Univerdad Politécnica de Valencia	14 July 2004
Diploma de Estudios Avanzados	Producción Vegetal y EcosSubjects Agroforestales. Univerdad Politécnica de Valencia	28 February 2007
Especialista en Producción Vegetal y ecosSubjects agroforestales: Intenficación en Sanidad Vegetal	ESTIA. Unidad Politécnica de Valencia	11 May 2007
Master Univertario en Producción Vegetal y EcosSubjects Agroforestales	Univerdad Politécnica de Valencia	22 Decembre 2008
Doctor Ingeniero Agrónomo Doctorado Europeo	Univerdad Politécnica de Valencia	28 January 2010

II.- UNIVERTY TEACHING

Colaboration in practical clases of the following subjects:

- Academic year 2006-2007: Metodología del Diagnóstico de Virus Fitopatógenos y Fitoplasmas dentro del Programa de Doctorado en “Recursos y Tecnologías Agrícolas” y “Máster Univertario en Producción Vegetal y Ecosistemas Agroforestales” (10 hours).
 - Academic year 2009-2010: Metodología del Diagnóstico de Virus Fitopatógenos y Fitoplasmas dentro del Programa de Doctorado en “Recursos y Tecnologías Agrícolas” y “Máster Univertario en Producción Vegetal y Ecosistemas Agroforestales” (10 hours).
 - Academic year 2011-2012: Metodología del Diagnóstico de Virus Fitopatógenos y Fitoplasmas dentro del Programa de Doctorado en “Recursos y Tecnologías Agrícolas” y “Máster Univertario en Producción Vegetal y Ecosistemas Agroforestales” (10 hours).
 - Academic year 2012-2013: Enfermedades Ocaonadas por Virus, Bacterias, Nemátodos y Fitoplasmas en Hortícolas y Ornamentales dentro del “Máster Univertario en Producción Vegetal y Ecosistemas Agroforestales” (10 hours).
-

II.5.- T.F.C. DIRECTION

Student: Villaescusa Sánchez, Francisco José

Title: Avances en el estudio de los agentes implicados en el desarrollo de amarillos, enrojecimientos y deformaciones en cultivos de apio, zanahoria y chirivía en el Sureste español, y claficación de sus vectores (cicadélidos, psílicos y áfidos).

Faculty: Escuela Técnica Superior de Ingenieros Agrónomos

Date: 20-09-2010.

Mark: With distintion

Award of the T.F.C. given by Escuela Técnica Superior de Ingenieros Agrónomos (UPV). Academic year 2009-10

Student: Hernández Llopis, Desamparados

Title: Estudios de los cambios fiológicos provocados por el virus del mosaico del pepino dulce (pepmv) en plantas de tomate infectadas y su correlación con otros factores en la expreón y severidad de síntomas.

Faculty: Licenciatura en Biotecnología

Date: Septiembre 2012.

Mark: Excellent

Student: Rodríguez León, Francisco

Title: Nuevo problema fitosanitario que afecta a los cultivos de apio y zanahoria en Villena (Alicante): evaluación de tratamientos para su control y estudio de pobles reservorios naturales de agentes implicados.

Univerdad: Univerdad Politécnica de Valencia

Máster: Máster Univertario en Producción Vegetal y EcosSubjects Agroforestales

Date: Septiembre 2012.

Mark: Excellent

Student: Serrano Fernández, Adrián

Title: Virus del mosaico amarillo del nabo (*Turnip yellow mosaic virus*, TYMV): Estudios de transmisión por semilla en col china y caracterización de aislados españoles.

Faculty: Escuela Técnica Superior de Ingenieros Agrónomos

Date: Diciembre 2012.

Mark: Excellent

III.- RESEARCH

III.1.- PARTICIPATION IN RESEARCHING PROJECTS OF PUBLIC FUNDING.

Title: TÉCNICAS DE DIAGNÓSTICO PARA LA DETERMINACIÓN DE LOS DISTINTOS AGENTES IMPLICADOS EN UNA NUEVA ENFERMEDAD QUE OCASIONA AMARILLOS Y NECROS EN PLANTACIONES DE JUDÍA EN EL SURESTE ESPAÑOL. (RTA2006-00033-C03-03).

Financial Entity: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA. (I.N.I.A.)

Participant Entities : UPV

Duration, nce: 25/09/2006 To: 25/09/2009 Quantity: 49.500 €

Responsible researcher: I. Font

No. Researchers : 7

Title: *PEPINO MOSAIC VIRUS*: EPIDEMIOLOGY IMPACT AND PEST RISK ANALYS (PEPEIRA). REF: 004189.

Financial Entity: EUROPEAN COMION (RESEARCH DIRECTORATE-GENERAL).

Participant Entities : Univerdad Politécnica de Valencia y 19 grupos europeos.

Duration, nce: 01/02/2007 To: 01/02/2010 Quantity: 84.502 €

Investigador coordinador: R. Van der Vlugt

Responsible researcher subproject: C. Jordá

No. Researchers : 5

Title: VIROSIS Y BACTERIOS EN EL CULTIVO DEL TOMATE Y PIMIENTO DE TÚNEZ: DIAGNÓSTICO Y PREVENCIÓN. (A/5269/06)

Financial Entity: MINISTERIO DE ASUNTOS EXTERIORES

Participant Entities : UPV e IRESA

Duration, nce: 22/01/2007 To: 22/01/2008 Quantity: 5.500 €

Responsible researcher: Concepción Jordá

No. Researchers : 6

Title: VIROS Y BACTERIOS EN EL CULTIVO DEL TOMATE Y PIMIENTO DE TÚNEZ: DIAGNÓSTICO Y PREVENCIÓN. (A/8584/07).

Financial Entity: MINISTERIO DE ASUNTOS EXTERIORES

Participant Entities : UPV e IRESA

Duration, nce: 22/01/2008 To: 22/01/2009 Quantity: 6.965 €

Responsible researcher: Concepción Jordá

No. Researchers : 6

Title : ANÁLIS DE LA EPIDEMIOLOGÍA DEL VIRUS DEL MOSAICO DEL PEPINO DULCE MEDIANTE EL USO DE CLONES INFECCIOSOS Y LA TECNOLOGÍA DE PROTEÍNAS FLUORESCENTES (PAID-05-09-4343)

Financial Entity: UNIVERDAD POLITÉCNICA DE VALENCIA

Duration nce: 15/12/2009 To: 15/12/2010

Responsible researcher: Sánchez Navarro, Jesús Ángel

Quantity: 9.500€ No. Researchers: 6

Title : LES VIROSES ET LES BACTERIOSES DES CULTURES DES CUCURBITACEES EN TUNIE: DIAGNOSTIC ET PREVENTION. PCI-MEDITERRANEO (TÚNEZ) (A/026559/09)

Financial Entity: MINISTERIO DE ASUNTOS EXTERIORES

Participant Entities : Univerdad Politécnica de Valencia

Duration, nce: 17/01/2010 To: 17/01/2011 Quantity: 12,126.93€

Responsible researcher: Font San Ambroo, Maria Isabel No. Researchers : 5

Title : ESTUDIOS DE LOS CAMBIOS FIOLOGICOS PROVOCADOS POR EL VIRUS DEL MOISACO DEL PEPINO DULCE (PEPMV) EN PLANTAS DE TOMATE INFECTADAS Y SU CORRELACION CON OTROS FACTORES EN LA EXPREON Y SEVERIDAD DE NTOMAS

Financial Entity: UNIVERDAD POLITÉCNICA DE VALENCIA

Entity : Univerdad Politécnica de Valencia

Duration, nce: 15/12/2010 To: 15/12/2011 Quantity: 7.500€

Responble researcher: Font San Ambroo, Maria Isabel No. Researchers : 5

Title : LES VIROSES ET LES BACTERIOSES DES CULTURES DES CUCURBITACEES EN TUNIE: DIAGNOSTIC ET PREVENTION. PCI-MEDITERRANEO (TUNEZ) (A/030360/10)

Financial Entity: MINISTERIO DE ASUNTOS EXTERIORES

Duration nce: 17/01/2011 To: 17/02/2012

Responble researcher: Font San Ambroo, Maria Isabel

Quantity: 19539€ No. Researchers: 5

Title : VIRUS Y MOLLICUTES ASOCIADOS A DESORDENES VEGETATIVOS EN ZANAHORIA Y APIO. DIAGNOSTICO Y ASPECTOS EPIDEMIOLOGICOS.

Financial Entity: INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA

Duration nce: 24/11/2011 To: 24/11/2014

Responble researcher: Font San Ambroo, Maria Isabel

Quantity: 74625.6€ No. Researchers: 4

Title : CARACTERIZACION MOLECULAR DE LOS DETERMINANTES GENETICOS DEL VIRUS DEL BRONCEADO DEL TOMATE (*Tomato spotted wilt virus*, TSWV) RESPONSABLES DE SUPERAR LA RESTENCIA MEDIADA POR EL GEN SW-5

Financial Entity: UNIVERDAD POLITECNICA DE VALENCIA

Duration nce: 01/12/2011 To: 01/12/2012

Responble researcher I: Sánchez Navarro, Jesús Ángel

Quantity: 6000€ No. Researchers: 7

Title : Caracterización molecular de la proteína de movimiento del virus del torrado del tomate

Financial Entity: UNIVERDAD POLITECNICA DE VALENCIA

Duration nce: 31/12/2012 To: 31/12/2013

Responble researcher: Font San Ambroo, Marái Isabel

Quantity: 6000€ No. Researchers: 5

III.2.- PARTICIPATION IN RESEARCHING CONTRACTS WITH PRIVATE COMPANIES OR PUBLIC ADMINISTRATIONS

Title : IDENTIFICACIÓN DE VIRUS, VIROIDES Y FITOPLASMAS NOCIVOS DE LOS VEGETALES.

Financial Entity: MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACIÓN

Participant Entities : UPV

Duration, nce: 20/05/05 To: 20/11/2008

Responsible researcher: C. Jordá No. Researchers : 2

Quantity: 168.448,27 €.- Euros

Title : CONVENIO DE ASESORAMIENTO Y APOYO TECNOLÓGICO ENTRE LA UNIVERDAD POLITÉCNICA DE VALENCIA Y LA AGRUPACIÓN ESPAÑOLA DE PARTICIPANT ENTITIES AGROASEGURADORAS DE LOS SEGUROS AGRARIOS COMBINADOS (AGROSEGURO S.L.).

Contract type: Convenio

Company/Administration: AGROSEGURO.

Participant Entities : UPV

Duration, nce: 01/01/2007 To: 31/12/2007

Responsible researcher: C. Jordá, M.I Font

No. Researchers : 4

Quantity : 3000- Euros

Title : TECHNOLOGICAL SUPPORT AND LABORATORY SERVICE AGREEMENT TO EVALUATE THE RESTANCE BEHAVIOUR OF 32 BREEDING LINES OF PEPPER BREEDING MATERIAL OF ZERAIM GEDERA AGAINST 5 ISOLATES OF *TOMATO SPOTTED WILT VIRUS*.

Contract type: Prestaciones de servicio

Company/Administration financiadora: ZERAIM GEDERA LTD

Participant Entities : UPV

Duration, nce: 01/01/2008 To: 31/12/2008

Responsible researcher: C. Jordá

No. Researchers : 1

Quantity : 4785.-Euros

Title : CONVENIO DE ASESORAMIENTO Y APOYO TECNOLÓGICO ENTRE LA UNIVERDAD POLITÉCNICA DE VALENCIA Y LA AGRUPACIÓN ESPAÑOLA DE PARTICIPANT ENTITIES AGROASEGURADORAS DE LOS SEGUROS AGRARIOS COMBINADOS (AGROSEGURO S.L.).

Contract type: Convenio

Company/Administration: AGROSEGURO.

Participant Entities : UPV

Duration, nce: 01/01/2008 To: 31/12/2008

Responsible researcher: C. Jordá, M.I Font

No. Researchers : 4

Quantity : 3000- Euros

Title : ESTUDIO, VALORACION Y PROPUESTA DE CULTIVOS BIOENERGETICOS (T4799000)

Contract type: I+D contratada/conveniada

Company/Administration financiadora: GENERALITAT VALENCIANA

Participant Entities : Univerdad Politécnica de Valencia

Duration, nce: 01/01/08 To: 01/01/12

Responsible researcher: Agustí Fonfria, Manuel

No. Researchers : 8

Quantity : 677,500€

Title : TRABAJO DE DETERMINACIÓN Y DIAGNÓSTICO DE LOS AGENTES IMPLICADOS EN EL PROBLEMA FITOSANITARIO APARECIDO EN LA PRIMAVERA DEL 2008 EN LOS CULTIVOS DE APIO Y ZANAHORIA.

Contract type: Consultorias, estudios técnicos y asesoramiento.

Company/Administration: AGRÍCOLA VILLENA COOP. V.

Participant Entities : UPV

Duration, since: 1/12/2009 To: 1/1/2011

Responsible researcher: Font San Ambroo, M^a Isabel

No. Researchers : 4

Quantity : 17001,71.- Euros

Title : TRAINING IN MOLECULAR BIOLOGY TECHNIQUES (RT-PCR, NON-RADIOACTIVE MOLECULAR HYBRIDIZATION) FOR THE DIAGNOS OF PLANT VIRUSES (TOTV, PEPMV, TOCV) AND PROVIDE THE REQUIRED BIBLIOGRAPHICAL MATERIAL.

Contract type: Prestaciones de servicio.

Company/Administration: VILMORIN

Participant Entities : UPV

Duration, since: 11/01/2010 To: 18/01/10

Responsible researcher: I. Font

No. Researchers : 4

Quantity : 1000.- Euros

Title : ANÁLIS DE TMGMV EN CUATRO LOTES DE SEMILLAS DE PIMIENTO GERNIKA MEDIANTE LA TÉCNICA SEROLÓGICA DAS-ELISA

Contract type: Prestaciones de servicio.

Company/Administration: DIPUTACIÓN FORAL DE BIZKAIA. DEPARTAMENTO DE AGRICULTURA

Participant Entities : UPV

Duration, since: 11/2/2010 To: 11/3/2010

Responsible researcher: I. Font

No. Researchers : 4

Quantity : 1187.- Euros

Title : ANÁLIS MUESTRAS DE TOMATE INFECTADAS CON PEPMV PARA LA VERIFICACIÓN DE LA CEPA PRESENTE EN ELLAS MEDIANTE MULTIPLEX RT-PCR-RFLP (MÉTODO DESCRITO POR ALFARO-FERNÁNDEZ *ET AL.*, 2009) EMPLEANDO TRES CONTROLES POTIVOS PARA CADA CEPA DEL VIRUS Y LOS CONTROLES NEGATIVOS PERTINENTES.

Contract type: Prestaciones de servicio.

Company/Administration: VILMORIN IBERICA S.A.

Participant Entities : UPV

Duration, since: 19/5/2010 To: 19/05/2010

Responsible researcher: I. Font

No. Researchers : 4

Quantity : 385.- Euros

Title: EVALUACION DE LOS TRATAMIENTOS EFECTUADOS PARA EL CONTROL DE LOS AGENTES Y VECTORES IMPLICADOS EN UN NUEVO PROBLEMA FITOSANITARIO QUE AFECTA A LOS CULTIVOS DE ZANAHORIA Y APIO DE LA COMUNIDAD VALENCIANA

Contract type: Consultorias, estudios técnicos y asesoramiento

Company/Administration: FUNDACION CDAD. VALENCIANA INVESTIGACION AGROALIMENTARIA

Duration since: 23/12/2010 To: 23/12/2011

Responsible researcher: Font San Ambroo, María Isabel

Nº Research : 2

Quantity: 21.186,44

Title: ESTUDIO DEL EFECTO "IN VITRO" DE TRICHODERMA SPP: SOBRE PAECILOMYCES LILACINUS.
Company/Administration financiadora: CERTIS EUROPA B.V.
Contract type: Prestación de servicio
Duration since: 05/12/2011 To: 30/03/2011
Responsible researcher: Font San Ambroo, María Isabel
Nº Researchers : 2
Quantity: 1300 €

Title: ESTUDIO SOBRE LA TUACIÓN FITOSANITARIA DE LOS CULTIVOS DE ZANAHORIA, APIO, CHIRIVÍA Y PUERRO DE AGRICOLA VILLENA COOP.V.
Company/Administration financiadora: Agrícola Villena Coop. V.
Contract type: Prestación de servicio.
Duration nce: 09/01/2012 To: 02/05/2012
Responsible researcher: Font San Ambroo, María Isabel
Nº Researchers : 2
Quantity: 16.338 €

Title: ANÁLIS SEROLÓGICOS PARA DETECTAR POTATO VIRUS Y (PVY) Y POTATO VIRUS X (PVX) EN MUESTRAS DE PATATA.
Company/Administration financiadora: CULTESA
Contract type: Prestación de servicios
Duration since: 13/5/2012 To: 13/07/2012
Responsible researcher: Font San Ambroo, María Isabel
Nº Researchers : 2
Quantity: 780 €

Title: RESULTADOS DE LOS ANALIS SEROLÓGICOS PARA LA DETECCIÓN DE VIRUS (CMV, POTYVIRUS, TSWV) EN DOS MUESTRAS DE STATICE
Company/Administration financiadora: LAB. AGROALIM. GEMASBE ANALITICA SL
Contract type: Prestación de servicios
Duration nce: 17-01-2013 To: 12-06-13
Responsible researcher: Font San Ambroo, María Isabel
Nº Researchers : 2
Quantity: 70 €

Title: RESULTADOS DE LOS ANALIS MOLECULARES Y SEROLÓGICOS PARA LA DETECCIÓN DE FITOPLASMAS Y VIRUS EN UNA MUESTRA DE GERBERA
Company/Administration financiadora: LAB. AGROALIM. GEMASBE ANALITICA SL
Contract type: Prestación de servicios
Duration nce: 18-12-12 To: 06-02-13
Responsible researcher: Font San Ambroo, María Isabel
Nº Researchers : 2
Quantity: 97 €

Title: RESULTADOS DE LOS ANALIS MOLECULARES Y SEROLÓGICOS PARA LA DETECCIÓN DE VIRUS (CMV, POTYVIRUS, TSWV, INSV Y POTEXVIRUS) Y OBSERVACIÓN AL MICROSCOPIO ELECTRONICO DE PARTICULAS VIRALES EN PLANTAS DE LILIUM.
Company/Administration financiadora: LAB. AGROALIM. GEMASBE ANALITICA SL
Contract type: Prestación de servicios
Duration nce: 08/01/13 To: 06-02-13
Responsible researcher: Font San Ambroo, María Isabel
No. Researchers : 2
Quantity: 160 €

Title: RESULTADOS DE LOS ANALIS MOLECULARES Y SEROLÓGICOS PARA LA DETECCIÓN DE FITOPLASMAS Y VIRUS EN UNA MUESTRA DE PANICULATA
Company/Administration financiadora: LAB. AGROALIM. GEMASBE ANALITICA SL
Contract type: Prestación de servicios

Duration nce: 13/11/2012 To: 26/12/12
Responible researcher: Font San Ambroo, María Isabel
Nº Researchers: 2
Quantity: 159 €

III.3.-RESEARCHING PUBLICATIONS

KEY: L = Entire book, CL =Book Chapter, A = Original Pper, R = Review, E = Editor.

INTERNATIONAL

Authors : Córdoba-Sellés M.C., García-Rández A., **Alfaro-Fernández A.**, Jordá C.

Title: Seed transmision of *Pepino mosaic virus* an efficacy of the tomato seed dinfection treatments

Ref. Journal: Plant Disease Book

Key: A Volume: 91 Pages, inicial: 1250 End: 1254 Date: 2007

Editorial (Book):

Location: Minnesota (USA)

Authors : **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Cebrián M.C., Sánchez-Navarro J.A, Espino A., Martín, R., Jorda C.

Title: First report of Tomato torrado virus in tomato in the Canary Islands, Spain.

Ref. Journal: Plant Disease Book

Key: A Volume: 91 Pages, inicial: 1060 End: 1060 Date: agosto 2007

Editorial (Book):

Location: Minnesota (USA)

Authors : Córdoba-Sellés M.C., Cebrián-Micó M.C., **Alfaro-Fernández A.**, Muñoz-Yerbes, M.J., Jorda C.

Title: First report of *Iris yellow spot virus* in commercial leek (*Allium porrum*) in Spain.

Ref. Journal: Plant Disease Book

Key: A Volume: 91 Pages, inicial: 1365 End:1365Date: 2007

Editorial (Book):

Location: Minnesota (USA)

Authors : **Alfaro-Fernandez A**, Cordoba-Selles M.C., Cebrián, M.C., Herrera-Vásquez, J.A., Sánchez-Navarro, Juárez, M., J.A., Espino, A., Martín, R., Jorda C.

Title: First report of Tomato torrado virus on weed hosts in Spain.

Ref. Journal: Plant Disease Book

Key: A Volume: 92 (5) Pages, inicial: 831 End: 831 Date: 2008

Editorial (Book):

Location: Minnesota (USA)

Authors : Cebrián M.C., Cordoba-Selles M.C., **Alfaro-Fernandez A**, Herrera-Vásquez, J. A., Jorda C.

Title: First report of *Alfalfa mosaic virus* in *Viburnum lucidum* in Spain.

Ref. Journal: Plant Disease Book

Key: A Volume: 92 (7) Pages, inicial: 1132 End: 1132 Date: 2008

Editorial (Book):

Location: Minnesota (USA)

Authors : Tornos, T., Cebrián M.C., Cordoba-Selles M.C., **Alfaro-Fernandez A**, Herrera-Vásquez, J. A., Font, I., Jorda C.

Title: First report of *Pea enation mosaic virus* infecting pea and broad bean in Spain.

Ref. Journal: Plant Disease Book

Key: A Volume: 92 (10) Pages, inicial: 1469 End: 1469 Date: 2008

Editorial (Book):

Location: Minnesota (USA)

Authors : **Alfaro-Fernández A.**, Cebrián M.C., Córdoba-Sellés M.C. Herrera-Vásquez J.A., Jordá C.
Title: First Report of the US1 Strain of *Pepino mosaic virus* in Tomato in the Canary Islands, Spain.
Ref. Journal: Plant Disease Book
Key: A Volume: 92 (11) Pages, inicial: 1590 End: 1590 Date: 2008
Editorial (Book):
Location: USA

Authors : Herrera-Vásquez J.A., Córdoba-Sellés M.C., Cebrián M.C., **Alfaro-Fernández A.**, Jordá C.
Title: Seed transmision of *Melon necrotic spot virus* and efficacy of seed-dinfection treatments.
Ref. Journal: Plant Pathology Book
Key: Volume: 58 Pages, inicial: 436 End: 442 Date: 2009
Editorial (Book):
Location: UK

Authors : Herrera-Vásquez J.A., **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Cebrián M.C., Font I., Jordá.
Title: First Report of Tomato torrado virus infecting tomato in ngle and mixed infections with *Cucumber mosaic virus* in Panama.
Ref. Journal: Plant Disease Book
Key: A Volume: 93 (2) Pages, inicial: 198 End: 198 Date: 2009
Editorial (Book):
Location: USA

Authors : Herrera-Vásquez J.A., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Cebrián M.C., Jordá.
Title: First report of *Pepper mild mottle virus* and *Tobacco mild green mosaic virus* Infecting pepper in Panama.
Ref. Journal: Plant Pathology - New Disease Reports Book
Key: A Volume: 58 Pages:786 Date: 2009
Editorial (Book):
Location: UK

Authors : Herrera-Vásquez J.A., Cebrián M.C., **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Jordá C.
Title: Multiplex PCR assay for the multaneous detection and differentiation of *Oplidium bornovanus*, *O. brascae*, and *O. virulentus*
Ref. Journal: Mycological Research Book
Key: A Volume: 113 Pages: 602-610 Date: 2009
Editorial (Book):
Location: UK

Authors : **Alfaro-Fernández A.**, Bese G., Córdoba-Sellés C., Cebrián M.C., Herrera-Vásquez J.A., Forray A., Jordá C.
Title: First report of Tomato torrado virus infecting tomato in Hungary.
Ref. Journal: Plant Disease Book
Key: Volume: 93 Pages: 554 Date: 2009
Editorial (Book):
Location: USA

Authors : Font I., Córdoba-Sellés M.C., Cebrián M.C., **Alfaro-Fernández A.**, Boubaker A., Soltani I., Jordá C.
Title: First report of *Tobacco mild green mosaic virus* Infecting *Capcum annum* in Tunia.
Ref. Journal: Plant Disease Book
Key: A Volume: 93 Pages: 761 Date: 2009
Editorial (Book):
Location: USA

Authors : **Alfaro-Fernández A.**, García-Luís A.
Title: Colonisation and histological changes in muskmelon and autumn squash tissues infected by *Acremonium cucurbitacearum* and *Monosporascus cannonballus*
Ref. Journal: European Journal of Plant Pathology Book
Key: A Volume: 125 Pages: 73-85 Date: 2009
Editorial (Book):
Location: The Netherlands

Authors : **Alfaro-Fernández A.**, Sánchez-Navarro J.A., Cebrián M.C. Córdoba-Sellés M.C., Pallás V., Jordá C.
Title: multaneous detection and identification of *Pepino mosaic virus* (PepMV) isolates by multiplex one-step RT-PCR
Ref. Journal: European Journal of Plant Pathology Book
Key: A Volume: 125 Pages: 143-158 Date: 2009
Editorial (Book):
Location: The Netherlands

Authors : **Alfaro-Fernández A.**, Córdoba-Sellés M.C , Cebrián M.C. Herrera-Vásquez J.A., Jordá C.
Title: Transmison of *Pepino mosaic virus* by the fungal vector *Olpidium virulentus*
Ref. Journal: Journal of Phytopathology Book
Key: A Volume: 158 Pages: 217-226 Date: 2010
Editorial (Book):
Location: Germany

Authors : **Alfaro-Fernández A.**, Córdoba-Sellés M.C, Juárez M., Herrera-Vásquez J.A., Sánchez-Navarro J.A., Cebrián M.C.,Font M.I., Jordá C.
Title: Occurrence and geographical distribution of "torrado" disease in Spain
Ref. Journal: Journal of Phytopathology Book
Key: A Volume: 158 Pages: 457-469 Date: 2010
Editorial (Book):
Location: Germany

Authors : Herrera-Vásquez J.A., Córdoba-Sellés M.C., Cebrián M.C., Rosselló J.A., **Alfaro-Fernández A.**, Jordá C.
Title: Genetic diverty of *Melon necrotic spot virus* and *Olpidium* isolates from different origins
Ref. Journal: Plant Pathology Book
Key: A Volume: 59 Pages: 240-251 Date: 2010
Editorial (Book):
Location: UK

Authors : **Alfaro-Fernández A.**, Medina V., Córdoba-Sellés M.C , Font I., Jornet J., Cebrián M.C., Jordá C.
Title: Ultrastructural aspects of tomato leaves ngle-infected with Tomato torrado virus (ToTV) and co-infected with other tomato viruses
Ref. Journal: Plant Pathology Book
Key: A Volume: 59 Pages: 231-239 Date: 2010
Editorial (Book):
Location: UK

Authors : **Alfaro-Fernández A.**, Cebrián M.C. Herrera-Vásquez J.A., Córdoba-Sellés M.C, Sánchez-Navarro J.A., Jordá C.
Title: Molecular variability of Spanish and Hungarian isolates of Tomato torrado virus
Ref. Journal: Plant Pathology Book
Key: A Volume: 59 Pages: 785-793 Date: 2010
Location: UK

Authors : Cebrián M.C., Villaescusa F.J., Alfaro-Fernández A., Hermoso de Mendoza A., Córdoba-Sellés M.C, Jordá C., Ferrándiz J.C., Sanjuán S., Font M.I.
Title: First report of *Spiroplasma citri* in carrot in Europe
Ref. Journal: Plant Disease Book
Key: A Volume: 94 Pages: 1264 Date: 2010
Editorial (Book):
Location: USA

Authors : Herrera-Vasquez, J.A., Córdoba-Sellés M.C., Cebrián M.C., **Alfaro-Fernández A.**, Jorda J., Boubaker, A., Soltani I, Font-San-Ambroo M.I.

Title: First report of *Olpidium bornovanus* and *O. virulentus* in Tunia

Ref. Journal: Journal of Plant Pathology Book

Key: A Volume: 92 Pages: S4.116 Date: 2010

Editorial (Book):

Location: Italy

Authors : **Alfaro-Fernández A.**, Córdoba-Sellés C., Tornos, T., Cebrián, M.C., Font, M.I.

Title: First report of *Eggplant mottled dwarf virus* in *Pittosporum tobira* in Spain

Ref. Journal: Plant Disease Book

Key: A Volume: 95 Pages: 75 Date: 2011

Editorial (Book):

Location: USA

Authors : Rangel E.A., **Alfaro-Fernández A.**, Font-San-Ambroo M.I., Luis-Arteaga M., Rubio L.

Title: Genetic variability and evolutionary analyses of the coat protein gene of *Tomato mosaic virus*

Ref. Journal: Virus Genes Book

Key: A Volume: 43 Pages: 435-438 Date: 2011

Editorial (Book):

Location:

Authors : **Alfaro-Fernández A.**, Abad-Campos P., Hernández-Llopis, D., Serrano-Fernández A., Font-San-Ambroo M.I.

Title: Detection of stolbur group (16SrXII) phytoplasma in willow (*Salix babylonica*).

Linn) in Spain

Ref. Journal: Bulletin of Insectology Book

Key: A Volume: 64 Pages: S111-S112 Date: 2011

Editorial (Book):

Location: Italy

Authors : **Alfaro-Fernández A.**, Cebrián M.C., Villaescusa F.J., Font-San-Ambroo M.I.

Title: Detection and identification of aster yellows and stolbur phytoplasmas in various crops in Spain

Ref. Journal: Bulletin of Insectology Book

Key: A Volume: 64 Pages: S63-S64 Date: 2011

Editorial (Book):

Location: Italy

Authors : Peters, J., Mumford, R., Bese, G., Schenk, M., Van der Vlugt, R., Glyn, J., **Alfaro-Fernández, A.**, Lambourne, C.

Title: The effect of *Pepino mosaic virus* on tomato yield

Ref. Journal: Acta Horticulturae Book

Key: A Volume: 914 Pages: 203-206 Date: 2011

Editorial (Book):

Location:

Authors : Papayiannis L.C., Kokkinos C.D., **Alfaro-Fernández A.**

Title: Detection, characterization and host range studies of *Pepino mosaic virus* in Cyprus

Ref. Journal: European Journal of Plant Pathology Book

Key: A Volume: 132 Pages: 1-7 Date: 2012

Editorial (Book):

Location: The Netherlands

Authors : Herrera-Vásquez, J.A., Córdoba-Selles, M.C., Cebrián, M.C., **Alfaro-Fernández, A.**, Jordá, C.

Title: Identificación, transmision por semilla y control del virus de las manchas necróticas del melon.

Ref. Journal: Actualidad Agropecuaria Book

Key: A Volume: Septiembre 2012 Pages: 14-13 Date: 2012

Editorial (Book):

Location: Panamá

Authors : **Ana Alfaro-Fernández**, Mai Abdalla Ali, Fadia Mobarak Abdelraheem, Ebrahim Abd Elhameed Saeed and María Isabel Font San Ambroo

Title: Molecular identification of 16SrII-D subgroup phytoplasmas associated with chickpea and faba bean in Sudan

Ref. Journal: European Journal of Plant Pathology Book

Key: A Volume: 133 Pages: 791-795 Date: 2012

Editorial (Book):

Location: The Netherlands

Authors : **A. Alfaro-Fernández, F. verio, M. C. Cebrián, F. J. Villaescusa, and M. I. Font**

Title: '*Candidatus Liberibacter solanacearum*' associated with *Bactericera trigonica*-affected carrots in the Canary Islands

Ref. Journal: Plant Disease Book

Key: A Volume: 96 Pages: 581 Date: 2012

Editorial (Book):

Location: USA

Authors : **A. Alfaro-Fernández, M. C. Cebrián, F. J. Villaescusa, A. Hermoso de Mendoza, J. C. Ferrándiz, S. Sanjuán, and M. I. Font**

Title: First Report of '*Candidatus Liberibacter solanacearum*' in carrot in mainland Spain

Ref. Journal: Plant Disease Book

Key: A Volume: 96 Pages: 582 Date: 2012

Editorial (Book):

Location: USA

Authors : **Nelson, W.R., Sengoda, V.G., Alfaro-Fernandez, A., Font, M.I., Crosslin, J.M., Munyaneza, J.E.**

Title: A new haplotype of "*Candidatus Liberibacter solanacearum*" identified in the Mediterranean region

Ref. Journal: European Journal of Plant Pathology Book

Key: A Volume: 135 Pages: 633-639 Date: 2013

Editorial (Book):

Location: USA

Authors : J.A. Herrera-Vásquez, M.C. Córdoba-Sellés, M.C. Cebrián, M.I. Font-San- Ambroo, **A. Alfaro-Fernández**, C. Jordá

Title: Viruses of cucurbits in Panama

Ref. Journal: Journal of Plant Pathology Book

Key: A Volume: 95 Pages: 435-440 Date: 2013

Editorial (Book):

Location: Italy

Authors : F. Villanueva, P. Castillo, M. I. Font, **A. Alfaro-Fernández**, E. Moriones, and J. Navas-Castillo

Title: First Report of Pepper vein yellows virus Infecting Sweet Pepper in Spain

Ref. Journal: Plant Disease Book

Key: A Volume: 97 Pages: 1261 Date: 2013

Location: USA

Authors : **A. Alfaro-Fernández**, D. Hernández-Llopis, M.I. Font

Title: Fig viruses in mainland Spain

Ref. Journal: Journal of Phytopathology Book

Key: A Early view: (doi: 10.1111/jph.12187) Date: 2013

Location: Germany

Authors : M.P. Aleandri, D. Martignoni, R. Reda, **A. Alfaro-Fernández**, M. I. Font, J. Armengol, G. Chilo,

Title: First report of *Olpidium bornovanus* and *O. virulentus* on melon in Italy.

Ref. Journal: Plant Disease Book

Key: A First look: Date: 2013

Location: USA

Authors : G.R. Teresani, E. Bertolini, A. Alfaro-Fernández, C. Martínez, F.A.O. Tanaka, E.W. Kitajima, M. Roselló, S. Sanjuán, J.C. Ferrándiz, M.M. López, M. Cambra, M.I. Font.

Título: *Candidatus Liberibacter solanacearum*' an emerging bacterium associated with 1 vegetative disorders in celery

Ref. **Journal: Phytopathology** **Book**
Key: **A** **Volume: In Press** **Date: 2014**
Location: USA

NATIONALS

Authors : **Alfaro-Fernández A.**, Córdoba-Selles M.C., Cebrián M.C., Font I., Juárez M., Medina V., Lacasa A., Sánchez-Navarro J., Pallás V., Jordá. C.

Title: Necros del tomate: "torrao" o "cribado"

Ref. **Journal: Boletín de Sanidad Vegetal-Plagas.** **Book**
Key: A **Volume: 32** **Pages, inicial: 545** **End: 562** **Date: 2006**

Editorial (Book):

Location: Madrid

Authors : **Alfaro-Fernández A.**, Córdoba-Selles M.C., Cebrián M.C., Font I., Juárez M., Medina V., Lacasa A., Sánchez-Navarro J., Pallás V., Jordá. C.

Title: Avances en el estudio del "torrao" o cribado del tomate

Ref. **Journal: Boletín de Sanidad Vegetal-Plagas.** **Book**
Key: A **Volume: 33** **Pages, inicial: 99** **End: 109** **Date: 2007**

Editorial (Book):

Location: Madrid

Editorial (Book):

Location: Madrid

Authors : **Alfaro-Fernández A.**, Córdoba-Selles M.C., Cebrián M.C., Herrera-Vásquez, J.A., Jordá. C., García-Arenal, F., Fraile, A., Juárez, M., Lacasa, A., Guerrero., M.

Title: PEPEIRA: Proyecto Europeo para la creación del Análisis de Riesgo Fitosanitario (Pest Risk Análisis) para el *Pepino moac virus* (PepMV)

Ref. **Journal: Phytoma España** **Book**
Key: A **Volume: 200** **Pages, inicial: 99** **End: 102** **Date: 2008**

Editorial (Book):

Location: Madrid

Authors : **F. J. Villaescusa, S. Sanjuán, M. C. Cebrián, A. Alfaro-Fernández, M. I. Font, J. C. Ferrándiz, A. Hermoso de Mendoza**

Title: **Prospección de pobles vectores (Hemiptera: Cicadellidae, Aphididae y Psylloidea) de patógenos en apio y zanahoria**

Ref. **Journal: Boletín de Sanidad Vegetal-Plagas** **Book**
Key: A **Volume: 37** **Pages, inicial: 163** **End: 171** **Date: 2011**

Editorial (Book):

Location: Madrid

Authors : J. A. Herrera Vásquez, M. C. Córdoba Sellés, M. C. Cebrián, **A. Alfaro-Fernández**, C. Jordá

Title: Transmisión por semilla del virus de las manchas necróticas del melón (MNSV) y eficacia de tratamientos de desinfección de semilla

Ref. **Journal: Boletín de Sanidad Vegetal-Plagas** **Book**
Key: A **Volume: 38** **Pages, inicial: 387** **End: 398** **Date: 2012**

Editorial (Book):

Location: Madrid

Authors : J. A. Herrera Vásquez, M. C. Cebrián, **A. Alfaro-Fernández**, M. C. Córdoba Sellés, C. Jordá
Title: Identificación y diferenciación morfológica y molecular de *Olpidium* spp.
Ref. Journal: Boletín de Sanidad Vegetal-Plagas Book
Key: A Volume: 38 Pages, inicial: 371 End: 386 Date: 2012
Editorial (Book):
Location: Madrid

Authors : **A. Alfaro-Fernández**, M. C. Córdoba Sellés, M.I. Font San Ambroo, C. Jordá Gutiérrez
Title: Virus relevantes en el cultivo del tomate: Detección, diagnóstico y control
Ref. Journal: Book
Key: L Volume: Pages, inicial: 1 End: 264 Date: 2013
Editorial (Book): Phytoma
Location: Madrid

III.5.- CONGRESS

NATIONAL:

Authors: Cebrián M.C., Córdoba M.C., **Alfaro-Fernández A.**, García-Randez A., Font I., Jordá C.

Title: Rajado de la sandía: detección de virus implicadas en el síndrome.

Participation type: Panel

Congress: XIII Congress de la Sociedad Española de Fitopatología

Publication: Proceedings del Congress pp:290

Celebration Place: Murcia

Date: Septiembre 18-22, 2006

Authors: Córdoba M.C., Cebrián M.C., **Alfaro-Fernández A.**, Muñoz R.M., Espino A., Jordá C.

Title: *Iris yellow spot virus* (IYSV): un nuevo tospovirus en España.

Participation type: Panel

Congress: XIII Congress de la Sociedad Española de Fitopatología

Publication: Proceedings del Congress pp:291

Celebration Place: Murcia

Date: Septiembre 18-22, 2006

Authors: **Alfaro-Fernández A.**, Córdoba M.C., Cebrián M.C., Jordá C.

Title: Transmisión del *Pepino mosaic virus* (PepMV) mediante el hongo vector *Ospidium brascae*.

Participation type: Panel

Congress: XIII Congress de la Sociedad Española de Fitopatología

Publication: Proceedings del Congress pp:276

Celebration Place: Murcia

Date: Septiembre 18-22, 2006

Authors: Medina V., Córdoba M.C., **Alfaro-Fernández A.**, Font I., Cebrián M.C., Jordá C.

Title: Citopatología asociada con el síndrome del "torrao".

Participation type: Panel

Congress: XIII Congress de la Sociedad Española de Fitopatología

Publication: Proceedings del Congress pp:292

Celebration Place: Murcia (España)

Date: Septiembre 18-22, 2006

Authors: Tornos T., Cebrián M.C., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Font M.I., Camí B., Jordá M.C.

Title: Detección de *Pea enation mosaic virus* (PeMV), ntomatología y diagnóstico en guisante y haba

Participation type: Panel

Congress: XIV Congress de la Sociedad Española de Fitopatología

Publication: Proceedings del Congress pp: 91

Celebration Place: Lugo (España)

Date: Septiembre 15-19, 2008

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Sánchez-Navarro J.A., Juárez M., Medina V., Cebrián M.C., Herrera-Vásquez J.A., Font M.I., Jordá C.

Title: Review of the research status of Tomato torrado virus (ToTV)

Participation type: Comunicación oral

Congress: II Reunión de la Red Nacional de Virología de Plantas

Publication: Proceedings pg.63

Celebration Place: Cádiz (España)

Date: Marzo 8-10, 2010

Authors: **Alfaro-Fernández A.**, Cebrián M.C., Córdoba-Sellés M.C., Font M.I., Juárez M., Jordá C.

Title: Estudio preliminar para determinar la transmisión por semilla del virus del torrado del tomate (ToTV)

Participation type: Panel

Congress: XV Congreso de la Sociedad Española de Fitopatología.

Publication: Proceedings pg.289

Celebration Place: Vitoria (España)

Date: Septiembre-October, 2010

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Cebrián M.C., Jordá C.

Title: Caracterización biológica y molecular de distintos aislados españoles de *Pepino mosaic virus* (PepMV)

Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.290
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Cebrián M.C., Font M.I., Jordá C., Guerrero M.M., Lacasa A., Juárez M.
Title: Cuantificación de la influencia de las infecciones con aislados no agresivos de *Pepino mosaic virus* (PepMV) en cultivos de tomate comerciales
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.291
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Cebrián M.C., Font M.I., Jordá C.
Title: Evolución de la estructura genética de las poblaciones españolas de *Pepino mosaic virus* (PepMV)
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.292
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: Font M.I., Cebrián M.C., Villaescusa F.J., Alfaro-Fernández A., Córdoba-Sellés M.C., Ferrándiz J.C., Sanjuán S., Reyes J.A., Verio F., Jordá C., Hermoso de Mendoza A.
Title: Spiroplasma citri y Aster yellows implicados en el desarrollo de amarillos, enrojecimientos y deformaciones en los cultivos de zanahoria en España
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.301
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: Cebrián M.C., Villaescusa F.J., Jordá C., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Ferrándiz J.C., Sanjuán S., **Hermoso de Mendoza A., Font M.I.**
Title: Aster yellows y stolbur: fitoplasmas implicados en el desarrollo de nuevas sintomatologías en cultivos de apio y chirivía en España
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.306
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: Cebrián M.C., Villaescusa F.J., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Jordá C., Font M.I.
Title: Primera detección de "*Candidatus Phytoplasma asteris*" en arroz en España
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.307
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: Juárez M., Agulló D., Font M.I., Córdoba-Sellés M.C., Cebrián M.C., **Alfaro-Fernández A.**, Jordá C.
Title: Estudio de la incidencia de virus en los cultivos de tomate del sureste peninsular español
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.
Publication: Proceedings pg.308
Celebration Place: Vitoria (España) Date: Septiembre-Octubre, 2010

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Tornos T., Cebrián M.C., Font M.I.
Title: Detección de *Eggplant mottled dwarf virus* en ornamentales en España
Participation type: Panel
Congress: XV Congreso de la Sociedad Española de Fitopatología.

Publication: Proceedings pg.348
Celebration Place: Vitoria (España)

Date: Septiembre-Octubre, 2010

Authors: Tornos T., Cebrián M.C., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Martí M., Ariño J., Font M.I.

Title: Detección de *Turnip yellow mosaic virus* (TYMV) en col china: ntomatología y diagnóstico

Participation type: Panel

Congress: XV Congreso de la Sociedad Española de Fitopatología.

Publication: Proceedings pg.349

Celebration Place: Vitoria (España)

Date: Septiembre-Octubre, 2010

Authors: Teresani, G.R., Bertolini, E., Alfaro-Fernández, A., Martínez, M.C., Villaescusa, F.J., Ferrándiz, J.A., Bartolomé, P., Sanjuán, S., Roselló, M., Dalmau, V., Hermoso, A., Tanaka, F., Kitajima, E.W., López, M.M., Cambra, M., Font, M.I.

Title: Desarreglos vegetativos en apio asociados con la bacteria "*Candidatus Liberibacter solanacearum*"

Participation type: Oral

Congress: XVI Congress de la Sociedad Española de Fitopatología.

Publication: Proceedings pg.93

Celebration Place: Málaga (España)

Date: Septiembre 17-21, 2012

Authors: **Alfaro-Fernández, A.**, Mas, H., Pérez-Laorga E., Hernández-Llopis, A., Serrano-Fernández, A., Pastor, C., Pali, J., Dolz L., Font, M.I.

Title: Deformaciones en los pinos relacionadas con "*Candidatus Phytoplasma pini*"

Participation type: Panel

Congress: XVI Congress de la Sociedad Española de Fitopatología.

Publication: Proceedings pg. 346

Celebration Place: Málaga (España)

Date: Septiembre 17-21, 2012

Authors: **Alfaro-Fernández, A.**, Hernández Llopis, A., Font, M.I.

Title: Virus detectados en higueras de la Península Ibérica

Participation type: Panel

Congress: XVI Congress de la Sociedad Española de Fitopatología.

Publication: Proceedings pg. 350

Celebration Place: Málaga (España)

Date: Septiembre 17-21, 2012

Authors: Alfaro-Fernández, A., Hernández Llopis, A., Serrano Fernández, A., Villaescusa, F.J., Teresani, G.R., Bertolini, E., Martínez, M.C., Ferrándiz, J.A., Bartolomé, P., Sanjuán, S., Hermoso, A., López, M.M., Cambra, M., Font, M.I.

Title: Patógenos detectados en cultivos de zanahoria españoles con amarillos, enrojecimientos y deformaciones

Participation type: Panel

Congress: XVI Congress de la Sociedad Española de Fitopatología.

Publication: Proceedings pg. 351

Celebration Place: Málaga (España)

Date: Septiembre 17-21, 2012

Authors: **Alfaro-Fernández, A.**, Beltrán, R., Serrano-Fernández, A., Font, M.I.

Title: Comparación de métodos serológicos y moleculares para la identificación de aislados de *Cucumber mosaic virus*

Participation type: Panel

Congress: XVI Congress de la Sociedad Española de Fitopatología.

Publication: Proceedings pg. 355

Celebration Place: Málaga (España)

Date: Septiembre 17-21, 2012

Authors: Herrera-Vásquez, J.A., Ferriol, I., **Alfaro-Fernández, A.**, Font, M.I., Rubio, L.

Title: Detección y cuantificación del virus del torrado del tomate mediante RT-PCR en tiempo real

Participation type: Panel

Congress: XVI Congress de la Sociedad Española de Fitopatología.

Publication: Proceedings pg. 358

Celebration Place: Málaga (España)

Date: Septiembre 17-21, 2012

Authors: Tornos, T., Córdoba-Sellés, M.C., **Alfaro-Fernández, A.**, Martí, M., García-Murillo, J.L., Monton, C., Font, M.I.
Title: *Plantago coronopus* l. Un nuevo hospedante natural de *Impatiens necrotic spot virus*
Participation type: Panel
Congress: XVI Congress de la Sociedad Española de Fitopatología.
Publication: Proceedings pg. 361
Celebration Place: Málaga (España) Date: Septiembre 17-21, 2012

Authors: **Rodriguez-León, F., Alfaro-Fernández A., Font M.I., Ferrandiz J.C., Sanjuan S., Teresani G.R., Bertolini E., Cambra M., Verdeguer M.**
Título: Estudio de la flora arvense como poble reservorio natural de agentes implicados en el nuevo problema fitosanitario que afecta a los cultivos de apio y zanahoria en Villena (Alicante),
Participation type: Panel
Congress: XIV Congress de la Sociedad Española Malherbología.
Publication: Proceedings pg. 115-119
Celebration Place: Valencia (España) Date: Noviembre 5-7, 2013

Authors: **Alfaro-Fernández A., Hernández-Llopis D., Villasescusa F.J. Ibáñez I., Teresani G.R., Bertolini E., Martínez M.C., Ferrandiz J.C., Sanjuan S., Hermosos A., López M.M., Cambra M., Juárez M., Font M.I.,**
Título: *Spiroplasma citri* en apio.
Participation type: Presentación oral
Congress: I Reunión GEDDI-SEF.
Publication: Proceedings pg. 19
Celebration Place: Logroño (España) Date: Octubre 15-16, 2013

Authors: Sánchez-Navarro J.A., Font M.I., **Alfaro-Fernández A.**, Pallás V.
Título: Puesta a punto de una polisonda para la detección multánea de trece virus y cuatro viroides que afectan al cultivo del tomate.
Participation type: Presentación oral
Congress: I Reunión GEDDI-SEF.
Publication: Proceedings pg. 36
Celebration Place: Logroño (España) Date: Octubre 15-16, 2013

Authors: **Alfaro-Fernández A.**, Sánchez-Navarro J.A., Beltrán R., Hernández-Llopis D., Font M.I.,
Título: Comparación de técnicas serológicas y moleculares para la detección de *Cucumber mosaic virus* (CMV)
Participation type: Presentación oral
Congress: I Reunión GEDDI-SEF.
Publication: Proceedings pg. 37
Celebration Place: Logroño (España) Date: Octubre 15-16, 2013

Authors: **Alfaro-Fernández A.**, Hernández-Llopis D., Villasescusa F.J. Ibáñez I., Teresani G.R., Bertolini E., Martínez M.C., Ferrandiz J.C., Sanjuan S., Hermosos A., López M.M., Cambra M., verio F.I., Juárez M., Font M.I.,
Título: Detección de *Carrot red leaf virus* en cultivos de zanahoria en España.
Participation type: Presentación oral
Congress: I Reunión GEDDI-SEF.
Publication: Proceedings pg. 38
Celebration Place: Logroño (España) Date: Octubre 15-16, 2013

Authors: **Alfaro-Fernández A.**, Sánchez-Navarro J.A., Hernández-Llopis D., Font M.I.,
Título: Alternativas a la detección por DAS-ELISA de *Eggplant mottled dwarf virus* (EMDV).
Participation type: Presentación oral
Congress: I Reunión GEDDI-SEF.
Publication: Proceedings pg. 39
Celebration Place: Logroño (España) Date: Octubre 15-16, 2013

INTERNACIONAL:

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Cebrián M.C., Jordá C.
Title: Transmión of *Pepino mosaic virus* by the fungal vector *Olipidium brascae*
Participation type: Panel
Congress: XIII Internacional Congress on Molecular Plant- Microbre Interactions
Publication: Proceedings del Congress pp:275
Celebration Place: Sorrento, Italy Date: Julio 21-27, 2007

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Cebrián M.C., Sánchez-Navarro J.A., Jordá C.
Title: Current tuation Of The "Torrado" Disease In Spain
Participation type: Panel
Congress: XIII Internacional Congress on Molecular Plant- Microbre Interactions
Publication: Proceedings del Congress pp:275
Celebration Place: Sorrento, Italy Date: Julio 21-27, 2007

Authors: Herrera-Vasquez J.A., Cebrián M.C, **Alfaro-Fernández A.**, Jordá C.
Title: Molecular Variability Of Different Isolates Of *Olipidium Bornovanus*
Participation type: Panel
Congress: XIII Internacional Congress on Molecular Plant- Microbre Interactions
Publication: Proceedings del Congress pp:275
Celebration Place: Sorrento, Italy Date: Julio 21-27, 2007

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Cebrián M.C., Jordá C.
Title: Molecular and biological characterization of 10 isolates of *Pepino mosaic virus* (PepMV)
Participation type: Panel
Congress: XIII Internacional Congress on Molecular Plant- Microbre Interactions
Publication: Proceedings del Congress pp:280
Celebration Place: Sorrento, Italy Date: Julio 21-27, 2007

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Cebrián M.C., Sánchez-Navarro J.A., Jordá C.
Title: Spanish tuation of viral diseases that caused necros in tomato
Participation type: Panel
Congress: XIII Internacional Congress on Molecular Plant- Microbre Interactions
Publication: Proceedings del Congress pp:281
Celebration Place: Sorrento, Italy Date: Julio 21-27, 2007

Authors: Cebrián M.C., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, García-Rández .A., Jordá C.
Title: Presence of viruses involved in watermelon cracked
Participation type: Panel
Congress: XIII Internacional Congress on Molecular Plant- Microbre Interactions
Publication: Proceedings del Congress pp:281
Celebration Place: Sorrento, Italy Date: Julio 21-27, 2007

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Cebrián M.C., Herrera-Vásquez J.A., Font I., Sánchez-Navarro J.A., Juárez M., Jordá C.
Title: Occurrence and distribution of "Torrao" Disease infecting tomato crops in Spain.
Participation type: Panel
Congress: 9th International Congress of Plant Pathology.
Publication: Journal of Plant Pathology. Vol 90 (2) pp: 373
Celebration Place: Turín, Italy Date: Agosto 24-29, 2008

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Cebrián M.C., Herrera-Vásquez J.A., Sánchez-Navarro J.A., Juárez M., Espino A., Martín R., Jordá C.
Title: Occurrence of several viruses in weeds associated with tomato crops in Spain.
Participation type: Panel
Congress: 9th International Congress of Plant Pathology.
Publication: Journal of Plant Pathology. Vol 90 (2) pp: 373
Celebration Place: Turín, Italy Date: Agosto 24-29, 2008

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Cebrián M.C., Jordá C.
Title: Biological and molecular characterization of several isolates of *Pepino mosaic virus*.
Participation type: Panel
Congress: 9th International Congress of Plant Pathology.
Publication: Journal of Plant Pathology. Vol 90 (2) pp: 375
Celebration Place: Turín, Italy Date: Agosto 24-29, 2008

Authors: Herrera-Vásquez J.A., Cebrián M.C., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Jordá C.
Title: Seed transmission of *Melon necrotic spot virus* and efficacy of melon seed disinfection treatments assessed by ELISA and RT-PCR.
Participation type: Panel
Congress: 9th International Congress of Plant Pathology.
Publication: Journal of Plant Pathology. Vol 90 (2) pp: 379
Celebration Place: Turín, Italy Date: Agosto 24-29, 2008

Authors: Herrera-Vásquez J.A., Cebrián M.C., Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Jordá C.
Title: *Melon necrotic spot virus*: New in melon crops in Panama.
Participation type: Panel
Congress: 9th International Congress of Plant Pathology.
Publication: Journal of Plant Pathology. Vol 90 (2) pp: 379
Celebration Place: Turín, Italy Date: Agosto 24-29, 2008

Authors: Herrera-Vásquez J.A., Córdoba-Sellés M.C., Cebrián M.C., **Alfaro-Fernández A.**, Jordá C., Boubaker A., Soltani I., Font M.I.
Title: *Olpidium bornovanus* and *O. virulentus*: two potencial root pathogens and vectors of plant viruses in Tunisia.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 154-155.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Herrera-Vásquez J.A., Córdoba-Sellés M.C., Cebrián M.C., Roselló, J.A., **Alfaro-Fernández A.**, Jordá C.
Title: Genetic diversity of *Melon necrotic spot virus* and *Olpidium* isolates from different origins.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 364-365.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Córdoba-Sellés M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Cebrián M.C., Font I.
Title: Occurrence and distribution of *Pepino mosaic virus* strain in several Spanish tomato crops.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 156-157.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: **Alfaro-Fernández A.**, Córdoba-Sellés M.C, Font M.I., Cebrián M.C., Herrera-Vásquez J.A., Juárez M., Jordá C.
Title: Occurrence of several viruses in weeds associated with tomato crops in Spain.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 160-161.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Córdoba-Sellés M.C, Cebrián M.C., **Alfaro-Fernández A.**, Herrera-Vásquez J.A., Torres V., Font M.I.
Title: Molecular detection of *Tomato spotted wilt virus* infecting cactus pear in Spain.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 275-276.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Cebrián M.C., **Alfaro-Fernández A.**, Córdoba-Sellés M.C, Herrera-Vásquez J.A., Soltani I., Boubaker A., Font M.I.
Title: Current molecular variability of *Tobacco mild green mosaic virus* in pepper.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 366-367.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Font M.I., Basmba D.D.M., Cebrián M.C., Molina L.M., **Alfaro-Fernández A.**, Jordá C.
Title: *Bacillus pumilus* related with necros symptoms in *Phaseolus vulgaris* crops in Spain.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 143-144.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: **Alfaro-Fernández A.**, Font M.I., Córdoba-Sellés M.C, Cebrián M.C, Jordá C.
Title: Whitefly transmisson to different hosts of *Tomato torrado virus* (ToTV) and *Tomato chloros virus* (ToCV).
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 158-159.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Font M.I., Cebrián M.C, Villaescusa F.J., Córdoba M.C, Ferrándiz J.C., Sanjuán S., Alfaro-Fernández A., Hermoso de Mendoza A.H., Jordá C.
Title: First report of phytoplasma disease in celery and pasnip in Spain.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 260-261.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Cebrián M.C, **Alfaro-Fernández A.**, Córdoba-Sellés M.C., Jordá C., Font M.I.
Title: *Candidatus* Phytoplasma asteris associated with rice disease in Spain.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 262-263.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Cebrián M.C., Molina L.M., **Alfaro-Fernández A.**, Zanón M.J., Córdoba-Sellés M.C., Jordá C., Font M.I.
Title: Comparison of 16S rDNA analys and REP-PCR genomic fingerprinting for molecular identification of *Erwinia percina* associated with bean yellowing and necros disease in Southern Spain.
Participation type: Panel
Congress: 13th Congress of the Mediterranean Phytopathological Union.
Publication: Petria. Vol 20 (2) pp: 346-347.
Celebration Place: Roma, Italy Date: Junio 20-25, 2010

Authors: Blustad D.R., Nielsen S.L., **Alfaro-Fernández A.**, Bese G., Hristova D., Pospieszny H., Ravnikar M., Schrenk M. Tomassoli L., Varveri C., Orstad K., Spetz C., van der Vliugt R.
Title: *Pepino mosaic virus* infection in potato and other solanaceous host and test plants.
Participation type: Presentación Oral
Congress: 14th Triennial Meeting of the Virology Section of the European Association of Potato Research (EAPR).
Publication: Fokus Bioforsk vol 5 (5) pp: 13.
Celebration Place: Hamar, Norway Date: Julio 4-9, 2010

Authors: Rangel E., **Alfaro-Fernández A.**, Font San Ambroo M.I., Rubio L.
Title: Genetic variation of *Tomato mosaic virus*
Participation type: Panel
Congress: 4th Conference of the International Working Group on Legume and Vegetable Virus (IWGLVV)
Publication: Proceedings del Congress pp. 66
Celebration Place: Antequera, Spain Date: Mayo 17-20, 2011

Authors: **Alfaro-Fernández A.**, Ali M.A., Abdelraheem F.B., Saeed E.A.E., Córdoba-Sellés M.C., Font San Ambroo M.I.
Title: Viral diseases of cultivated legume crops in Sudan
Participation type: Panel
Congress: 4th Conference of the International Working Group on Legume and Vegetable Virus (IWGLVV)
Publication: Proceedings del Congress pp. 90
Celebration Place: Antequera, Spain Date: Mayo 17-20, 2011

Authors: J.A. Herrera-Vásquez, M.C. Cebrián, **A. Alfaro Fernández**, M.C. Córdoba Sellés
Title: Multiplex PCR para la detección simultánea y diferenciación de *Olpidium bornovanus*, *O. brascae* y *O. virulentus*
Participation type: Oral
Congress: IV Congreso Científico Agropecuario
Publication: Proceedings
Celebration Place: Panama Date: Septiembre 27-30, 2011

Authors: J.A. Herrera Vásquez, M.C. Cebrián, **A. Alfaro-Fernández**, M.C. Córdoba, C. Jordá.
Title: Identificación y diferenciación morfológica y molecular de *Olpidium* spp.
Participation type: Oral
Congress: LVII Reunión Anual del PCCMCA
Publication: Proceedings del Congress pp. 70
Celebration Place: Panama Date: Abril 23-27, 2011

Authors: J.A. Herrera-Vásquez, I. Ferriol, **A. Alfaro-Fernández**, I. Font-San-Ambroo, L. Rubio
Title: RT-PCR en tiempo real para la detección y cuantificación del virus del torrado del tomate
Participation type: Panel
Congress: XIV Congreso Nacional de Ciencia y Tecnología
Publication: Proceedings del Congress pp. P-B-25
Celebration Place: Ciudad del Saber, Panama Date: Octubre 17-20, 2012

Authors: J.A. Herrera Vásquez, M.C. Cebrián, **A. Alfaro-Fernández**, M.C. Córdoba, C. Jordá.
Title: Detección sensible y cuantificación absoluta del virus del torrado del tomate (ToTV) mediante RT-PCR convencional y en tiempo real.
Participation type: Oral
Congress: 58 Reunión Anual del PCCMCA
Publication: Proceedings del Congress pp. 39
Celebration Place: Honduras Date: Abril 22-26, 2013

III.6.- PATENTS

Inventors : **Alfaro-Fernández, A.**, Cebrián-Micó, M.C, Córdoba-Sellés, M.C., García-Rández, A., Sánchez-Navarro, J., Pallás, V., Jordá, C.

Title: Detección multánea de distintos aislados de Pepino mosaic virus (PepMV) mediante RT-PCR

No. Application: P200703320

Country of priority: España

Date of priority: 05/12/2007

Entity: UPV

Countries of extent: -

Companies: -

III.7.- STAGES IN RESEARCHING CENTRES

KEY: D = predoctoral, P = postdoctoral, I = guest, C = contract, O = others.

(Stages longer than one month)

Centre: Plant Research Internacional

Place: Wageningen

Country: The Netherlands

Date: 03-05-09

Duration (weeks): 13

Subject: Construction of a mutant GFP infectious clone of *Pepino mosaic virus*

Key: D

(Estancias continuadas inferiores a un mes)

Centre: AlPlanta Institute of Plant Research

Place: Neustadt Country: Germany

Date: 09-09-11

Duration (hours): 50

Subject: Researching stage

Key: P

V.- OTHER ACHIEVEMENTS

V.-1.- LANGUAGES (R = regular, B = Good, C = Correctly)

Language	Speaking	Reading	Written
English	C	C	C
Valenciano	C	C	C

TITLES AND COURSES OF LANGUAGES:

ENGLISH:

- Title oficial elemental de Inglés de la Escuela Oficial de Idiomas de Valencia obtenido en septiembre de 1995.
- Curso de inglés nivel 7 (40 horas) del Departamento de Idiomas de la Universidad Politécnica de Valencia en marzo de 2002.
- Curso de inglés nivel 8 (40 horas) del Departamento de Idiomas de la Universidad Politécnica de Valencia en julio de 2002.
- Curso preparatorio de examen oficial: First Certificate in English (40 horas) del Departamento de Idiomas de la Universidad Politécnica de Valencia en junio de 2004.
- Title oficial: First Certificate in English (Council of Europe B2) of the Cambridge University obtenido en junio de 2004.

Valenciano:

- Certificat Oficial de Coneixements de Valencià Grau Elemental de la Junta Qualificadora de Coneixements de Valencià (13 septembre de 2006).
- Certificat Oficial de Coneixements de Valencià Grau Mitjà de la Junta Qualificadora de Coneixements de Valencià (junio 2012).

V.2.- OTHER ACHIEVEMENTS IN TEACHING AND RESEARCHING.

GRANTS:

Becaria de especialización de segundo ciclo (Beca predoctoral)	Universidad Politécnica de Valencia. Instituto Agroforestal Mediterráneo. Laboratorio de Virología Vegetal.	01/02/05 a 30/09/09
--	---	---------------------

PRECIOUS CONTRACTOS:

Contrato Técnico Superior de Laboratorio del Grupo A	Universidad Politécnica de Valencia. Instituto Agroforestal Mediterráneo. Laboratorio de Virología Vegetal.	05/10/09 a 14/04/10
--	---	---------------------

PRIZES:

- PREMIO AL MEJOR DOCTORADO UPV AREA AGROALIMENTARIA. Entidad: Consejo Social UPV. 16 de diciembre de 2011.

ACREDITATION:

- Evaluación positiva de la actividad docente e investigadora para la contratación del profesorado universitario en la figura de PROFESOR AYUDANTE DOCTOR por el comité de enseñanzas técnicas de la Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA) el 13 de abril de 2010.
- Evaluación positiva de la actividad docente e investigadora para la contratación del profesorado universitario en la figura de PROFESOR AYUDANTE DOCTOR por la Agència Valenciana d'Avaluació i Prospectiva (AVAP).

OTHER COURSES:

- Curso de Técnico en prevención de riesgos laborales. Nivel básico. Curso de Gestión de la Calidad (25 horas) en noviembre de 2001.
- Participación en las actividades Intenvo Sócrates "Vegetable suburban production in Europe as a part of strategy for sustainable development" en la zona periurbana de París del 22 de abril al 1 de mayo de 2001.
- Certificado de aptitud pedagógica (C.A.P.) obtenido en marzo de 2005.
- Curso de metodología de la investigación empírica aplicada en SPSS (36 horas) de la Universidad Politécnica de Valencia en octubre de 2006).
- Taller de Gestión eficaz del tiempo (10 horas) del Programa de Actividades de Formación Complementaria (no académica) en diciembre de 2008.
- Taller de Desarrollo de habilidades para las presentaciones orales (10 horas) del Programa de Actividades de Formación Complementaria (no académica) en marzo de 2009.
- Principios básicos de la comunicación escrita en el ámbito académico (5 horas) del Programa de Actividades de Formación Complementaria (no académica) en marzo de 2009.
- Estudios de tercer ciclo-doctorado en el programa de producción vegetal y ecosistemas agroforestales con la mención de calidad del Ministerio de Educación y Ciencia del 29 junio de 2005 (BOE 14 julio) en la convocatoria de 22 de noviembre de 2004 (BOE 10 de diciembre)
- Curso: Real-time PCR workshop in Plant Pathology: Diagnostics and Research. 29 Noviembre a 2 Diciembre 2011. Ljubljana, Slovenia.
- Curso de Prevención de Riesgos Laborales para investigadores de laboratorio con riesgos higiénicos y/o de seguridad. (15 horas). UPV. Valencia 2011.

MEMBERSHIP OF SOCIETIES:

- Miembro de la Sociedad Española de Fitopatología
- Miembro del Grupo Especializado de Diagnóstico, Detección e Identificación (GEDDI)

PARTICIPATION IN COMMITTEES AND REPRESENTATIONS

Title : Kick-off Meeting of the FP6 EU project: *Pepino mosaic virus*: epidemiology, economic impact and pest risk analysis (project number 044189)

Entity: EU project

Subject: Kick-off Meeting of the FP6 EU project

Date: 10-11 Mayo 2007 (Wageningen, The Netherlands)

Title : Intermediate Meeting of the FP6 EU project: *Pepino mosaic virus*: epidemiology, economic impact and pest risk analysis (project number 044189)

Entity: EU project

Subject: Intermediate Meeting of the FP6 EU project

Date: 19-21 Septiembre 2007 (Hódvészévesarhely, Hungría)

Title : EPPO Workshop on Quality Assurance

Entity: European and Mediterranean Plant Protection Organization (EPPO)

Subject: EPPO Workshop on Quality Assurance

Date: 04-06 Diciembre 2007 (Holte, Denmark)

Title : First Year Meeting of the FP6 EU project: *Pepino mosaic virus*: epidemiology, economic impact and pest risk analys (project number 044189)

Entity: EU project

Subject: First Year Meeting of the FP6 EU project

Date: 08-12 Marzo 2008 (Valencia, Spain)

Title : Meeting of the FP6 EU project: *Pepino mosaic virus*: epidemiology, economic impact and pest risk analys (project number 044189)

Entity: EU project

Subject: Meeting of the FP6 EU project

Date: 09-10 Septiembre 2008 (York, UK)

Title : Meeting with Mr. Jean-François Maljean, EU scientific officer of the FP6 research project Pepeira (project number 044189)

Entity: EU project

Subject: Meeting of the FP6 EU project

Date: 30 Enero 2009 (Bruselas, Belgium)

Title : Second year meeting of the FP6 EU project: *Pepino mosaic virus*: epidemiology, economic impact and pest risk analys (project number 044189)

Entity: EU project

Subject: Meeting of the FP6 EU project

Date: 11-14 Febrero 2009 (Larnaca, Cyprus)

Title : International Symposium on Pepino mosaic virus: the European perspective

Entity: EU project

Subject: Information about the results of the EU project 044189

Date: 19-22 Enero 2010 (Wageningen, The Netherlands)

Title : EUPHRESCO FRUITPHYTOINTERLAB: Interlaboratory comparison and validation of detection methods for phytoplasmas of phytosanitary concern in european orchards.

Entity: EU project

Subject: Information about the results of the Interlaboratory comparison and validation methods

Date: 27 Abril 2011 (Paris, France)

ORGANIZATION OF R&D ACTIVITIES:

Title: First Year Meeting of the FP6 EU project: *Pepino mosaic virus*: epidemiology, economic impact and pest risk analys (proposal number 044189)

Type of Activity: Organization of European meeting

Field: EU project

Date: 08-12 Marzo 2008 (Valencia, Spain)



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **LOISEAU Marianne**
Address(es) 7, rue Jean Dixméras, 49044, ANGERS, FRANCE
Telephone(s) +33-(0)2.41.20.74.59
Fax(es) +33-(0)2.41.20.74.30
E-mail marianne.loiseau@anses.fr
Nationality French
Date of birth 5th august 1978
Gender female

Desired employment / Occupational field **Deputy head of team “virology and phloem-restricted bacteria”, ENGINEER in Plant Health**

Work experience

Dates Since September 2006
Occupation or position held Deputy head of laboratory team “virology and phloem-restricted bacteria” (since 2010), Engineer in Plant Health Laboratory
Main activities and responsibilities Analysis and methods development - In charge of detection and characterisation of phytoplasmas and liberibacters - Evaluation of detection methods for virus detection (TICV, ToCV, CVYV, CYSDV, BNYVV)
Name and address of employer Ministère de l'Agriculture – 78 rue de Varennes – F-75349 Paris 07 SP
Type of business or sector Public diagnostic laboratory (Plant Health Laboratory, as part of Anses, national safety agency)
Dates September 2003 to June 2006
Occupation or position held Teacher in enology and biology for student in 2 years undergraduate vocational course in viticulture and enology – Person in charge of education for those students
Main activities and responsibilities Pedagogy in enology and biology
Planning of education
Name and address of employer French Department of Agriculture - Education administration - LEGTA Frédéric Bazille – Agropolis - 3224 route de Mende - BP 5052- F- 34033 Montpellier
Type of business or sector Education

Education and training

Dates April to August 2003
Title of qualification awarded Master degree (Engineer graduate)
Principal subjects/occupational skills covered Plant pathology – Genetic structure of population of *Scaphoïdeus titanus*, vector of Flavescence dorée phytoplasma
Focusing biomolecular techniques (microsatellite markers)
Name and type of organisation providing education and training INRA (National Institute of Agricultural Research) of Bordeaux -France

Dates	September 2001 to September 2003
Title of qualification awarded	Master degree (Engineer graduate) in agricultural techniques
Principal subjects/occupational skills covered	Animal and vegetal productions.... Plant health Management...
Name and type of organisation providing education and training	ENITA- National school of engineer of agricultural techniques Bordeaux - France
Level in national or international classification	Level 5
Dates	June to August 2002
Title of qualification awarded	Master degree (Engineer graduate)
Principal subjects/occupational skills covered	Plant pathology – <i>Cladosporium fulvum</i> (fungus pathogenic for tomato) Focusing biomolecular techniques (genetic transformation...)
Name and type of organisation providing education and training	University of Wageningen – The Netherlands
Dates	September 2000 to September 2001
Title of qualification awarded	
Principal subjects/occupational skills covered	a year to prepare competitive examination for admission in school
Name and type of organisation providing education and training	LEGTA Blanquefort (High school of agriculture)- France
Dates	June to August 1998
Title of qualification awarded	Technician
Principal subjects/occupational skills covered	Human virology Focusing biomolecular techniques (extraction of RNA, RT-PCR, electrophoresis, hybridization) Manipulation of contaminated samples Management of equipment
Name and type of organisation providing education and training	CHU (Hospital and University Centre) of Bordeaux -France
Dates	September 1998 to September 2000
Title of qualification awarded	Technician in biological analysis and biotechnology
Principal subjects/occupational skills covered	microbiology, biochemistry, genetics, biology...
Name and type of organisation providing education and training	LEGTA Blanquefort (High school of agriculture) - France
Level in national or international classification	Level 2

Personal skills and competencesMother tongue(s) **French**Other language(s) **English and spanish**

Self-assessment

European level ()***English****Spanish**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	B1
A2	A2	A1	A1	A1

Social skills and competences skills for teamwork and transmission of competences

Organisational skills and competences Sense of organization

Technical skills and competences Representative for French NPPO in EPPO panel on diagnostics in virology and phytoplasmaology
PCR, RT-PCR, IC-RT-PCR, Real Time PCR, ELISA assay

Computer skills and competences Word, Excel, Power-point, Internet explorer...

Other skills and competences Short term expert for twinning programme Ukraine – 2013-2014

Driving licence French driving licence B

Additional informationLoiseau M., Garnier S., Boirin V., Merieau M., Leguay A., Renaudin I., Renvoisé J.-P., Gentil P., (2014). First report of *Candidatus Liberibacter solanacearum* in carrot in France. Plant Disease, in press.

ANDREA M. SKANTAR
CURRICULUM VITAE

Research Molecular Biologist
USDA-ARS Nematology Lab
Bldg. 010A BARC West, Rm 113
Beltsville, MD 20705

Phone: (301) 504-5917
Fax: (301) 504-5062
E-mail: andrea.skantar@ars.usda.gov

EDUCATION

B.S. 1984 Molecular and Cell Biology, Pennsylvania State University,
University Park, PA.
Ph.D. 1993 Biochemistry, Duke University, Durham, NC.

EMPLOYMENT

1997-Present *Research Molecular Biologist/Nematologist*, USDA-ARS Nematology Laboratory
1993-1997 *Postdoctoral Research Associate*, Department of Plant Pathology
North Carolina State University.
1985-1993 *Graduate Assistant*, Department of Biochemistry, Duke University.
1984 *Research Assistant*, Department of Veterinary Science,
Pennsylvania State University.
1982-1985 *Research Assistant*, Department of Molecular and Cell Biology,
Pennsylvania State University.

HONORS AND AWARDS

Federal Laboratory Consortium for Technology Transfer Award, "For accurate analysis of nematodes in U.S. wheat exports," Honorable Mention, 2002.

USDA Beltsville Area Technology Transfer Award, as a member of a team of Systematists "For providing extraordinary assistance to APHIS/PPQ at ports in the U.S. and around the world," 2006.

Society of Nematologists Syngenta Crop Protection Award, for "Research Excellence in the Field of Nematology," 2008.

ACCOMPLISHMENTS

Dr. Skantar is known for innovative research to develop new molecular diagnostics and phylogenetic markers for plant-parasitic nematodes. She led development of multiplex and real-time PCR assays for the identification of quarantined potato cyst nematodes, including species new to the United States. She molecularly identified *Globodera pallida* from Idaho (the first detection in the U.S.) and improved a diagnostic test to distinguish it from related cyst nematode species. Regulatory action based on the diagnosis was implemented to prevent further spread of *G. pallida*, protecting trade of potatoes with an estimated farm gate value of \$1 billion in the Western U.S. Her protocols have been adapted by the APHIS-CPHST diagnostic lab for use in continuing surveys. Subsequently, Dr. Skantar determined that an unusual population from an Oregon potato field was molecularly distinct from other *Globodera* and represents a new species

of potato cyst nematode. Dr. Skantar and colleagues introduced and demonstrated the phylogenetic utility of Hsp90 as a new marker for nematode systematics and identification, leading several researchers worldwide to use this gene for their studies. Her technical advances in the purification and storage of DNA from single nematodes allowed other nematologists to successfully identify or classify numerous urgent quarantine specimens, invasive species, and other agriculturally important nematodes. Dr. Skantar and colleagues developed multiplex PCR methods for DNA extracted directly from infested soil to discriminate morphologically similar lesion nematodes from wheat fields in the Pacific Northwest. Expanded surveys made possible by the increased diagnostic capacity generated increased grower awareness that lesion nematodes reduce annual wheat profitability by \$51 million, leading to more research on management schemes and resistant cultivars. She directed molecular investigations of several new species or U.S. occurrences of *Meloidogyne* spp., a damaging and complex group with broad host range and worldwide geographical distribution.

SELECTED PUBLICATIONS

- Chronis, D., Chen, S., Zasada, I.A., Skantar, A.M., Wang, X. 2014. A new chorismate mutase effector gene identified from *Globodera ellingtonae* and its utility as a molecular diagnostic marker. *European Journal of Plant Pathology* DOI 10.1007/s10658-014-0385-x.
- Yan, G., Smiley, R.W., Okubara, P., Skantar, A.M. 2013. Species-Specific PCR Assays for Differentiating *Heterodera filipjevi* and *H. avenae*. *Plant Disease* 97:1611-1619.
- Yan, G., Smiley, R.W., Okubara, P.A., Skantar, A.M., Reardon, C.L. 2013. Developing a real-time PCR assay for detection and quantification of *Pratylenchus neglectus* in soil. *97:757-764*.
- Nischwitz, C., Skantar, A.M., Handoo, Z.A., Hult, M.N., Schmitt, M.A., McClure, M.A. 2013. Occurrence of *Meloidogyne fallax* in North America, and molecular characterization of *M. fallax* and *M. minor* from U.S. golf course greens. *Plant Disease* 97:1424-1430.
- Akinbad, S.A., Mojtahedi, H., Guerra, L., Eastwell, K.C., Villamor, D.E., Handoo, Z.A., Skantar, A.M. 2013. First report of *Xiphinema rivesi* (Nematoda, Longidoridae) in Washington State. *Plant Disease* <http://dx.doi.org/10.1094/PDIS-09-13-0961-PDN>
- Esparza-Díaz, G., Olguin, A., Villanueva, R.T., Kuehn, S.W., Carta, L.K. and Skantar, A.M. 2013. Detection of *Rhynchophorus palmarum* (Coleoptera: Curculionidae) and identification of associated organisms in south Texas. *Florida Entomologist* 96:1513-1521.
- McClure, M.A., Nischwitz, C., Skantar, A.M., Schmitt, M.E., and Subbotin, S.A. 2012. Root-knot nematodes in golf course greens of the Western USA. *Plant Disease* 96:635-647.
- Carta L.K., Handoo, Z.A., and Skantar, A.M. 2011. Supplemental description of *Paraphelenchus acontioides* Taylor and Pillai, 1967 (Tylenchida: Paraphelenchidae) with ribosomal DNA trees, and a morphometric compendium to females of the species of *Paraphelenchus*. *Nematology* 13: 887-899.

- Skantar, A.M., Handoo, Z.A., Zasada, I.A., Ingham, R.E., Carta, L.K., and Chitwood, D.J. 2011. Morphological and molecular characterization of *Globodera* populations from Oregon and Idaho. *Phytopathology* 101:480-491.
- Castagnone-Sereno, P., Skantar, A.M., and Roberts, L. 2011. Molecular tools for diagnostics. Pages 443-464. *In: Jones, J., Fenoll, C. and Gheysen, G. (eds.) Genomics and Molecular Genetics of Plant-Nematode Interactions.* Springer Science + Business Media B.V. New York, NY.
- Carta, L.K., Skantar, A.M., and Handoo, Z.A. 2010. Molecular rDNA phylogeny of Telotylenchidae Siddiqi, 1960 and evaluation of tail termini. *Journal of Nematology* 42:359-369.
- Nakhla, M.K., Owens, K.J., Li, W., Wei, G., Skantar, A.M., and Levy, L. 2010. Multiplex real-time PCR assays for the identification of the potato cyst and tobacco cyst nematodes. *Plant Disease* 94:959-965.
- Meyer, S.L.F., Halbrecht, J.M., Carta, L.K., Skantar, A.M., Liu, T., Abdelnabby, H.M.E., and Vinyard, B.T. 2009. Toxicity of 2,4-diacetylphloroglucinol (DAPG) to plant-parasitic and bacterial-feeding nematodes. *Journal of Nematology* 41:274-280.
- Handoo, Z.A., Skantar, A.M. and Mulrooney, R.P. 2009. First Report of the Sting Nematode *Belonolaimus longicaudatus* on Soybean in Delaware. *Plant Disease* 94:133.
- Skantar, A.M., Handoo, Z.A., Carta, L.K., and Chitwood, D.J. 2009. Morphological and molecular identification of *Globodera pallida* associated with potato in Idaho. *Journal of Nematology* 39:133-144.
- Handoo, Z.A., Carta, L.K., and Skantar, A.M. 2008. Taxonomy, morphology and phylogenetics of coffee-associated root-lesion nematodes, *Pratylenchus* spp. Pages 29-50. *In: Souza, R. M, ed. Coffee Nematodes.* Springer Science + Business Media. Dordrecht, The Netherlands.
- Skantar, A.M., Carta, L.K., and Handoo, Z.A. 2008. Molecular and morphological characterization of an unusual *Meloidogyne arenaria* population from traveler's tree (*Ravenala madagascariensis*). *Journal of Nematology* 40(3):179-189.
- Yan, G., Smiley, R., Okubara, P.A., Skantar, A.M., Easley, S.A., Sheedy, J.G., and Thompson, A.L. 2008. Detection and discrimination of *Pratylenchus neglectus* and *P. thornei* in DNA extracts from soil. *Plant Disease* 92(11):1480-1487.
- Skantar, A. M., Handoo, Z. A., Carta, L. K., and Chitwood, D. J. 2007. Morphological and molecular identification of *Globodera pallida* associated with potato in Idaho. *Journal of Nematology*. *Journal of Nematology* 39:133-144.
- Hafez, S. L., Sundararaj, P., Handoo, Z.A., Skantar, A.M., Carta, L.K., and Chitwood, D.J. 2007.

- First report of the pale cyst nematode, *Globodera pallida*, in the United States. *Plant Disease* 91:325.
- Skantar, A.M., Guimond, N.A., and Chitwood, D.J. 2006. Molecular characterization of two novel 17 beta-hydroxysteroid dehydrogenase genes from the soybean cyst nematode, *Heterodera glycines*. *Nematology* 8(3):321-333.
- Skantar, A.M. and Carta, L.K. 2005. Multiple displacement amplification (MDA) of total genomic DNA from *Meloidogyne* spp. and comparison to crude DNA extracts in PCR of ITS1, 28S D2-D3 rDNA and Hsp90. *Nematology* 7(2):285-293.
- Handoo, Z.A., Skantar, A.M., Carta, L.K., and Erbe, E.F. 2005. Morphological and molecular characterization of a new root-knot nematode, *Meloidogyne thailandica* n. sp. (Nematoda: Meloidogynidae) parasitizing ginger (*Zingiber* spp.) in Thailand. *J. Nematol.* 37(3):343-353
- Handoo, Z.A., Carta, L.K., Skantar, A.M., Ye, W., Robbins, R.T., Subbotin, S.A., Fraedrich, S.W., and Cram, M.M. 2005. Morphological and molecular characterization of *Longidorus americanum* n. sp. (Nematoda: Longidoridae), a needle nematode parasitizing pine in Georgia. *Journal of Nematology* 37:94-104.
- Skantar, A.M., and Carta, L.K. 2005. Phylogenetic evaluation of nucleotide and protein sequences from the heat shock protein 90 gene of selected nematodes. *Journal of Nematology* 36:466-480.
- Handoo, Z.A., Skantar, A.M., Carta, L.K., and Schmitt, D.P. 2005. Morphological, molecular evaluation of a *Meloidogyne hapla* population damaging Coffee (*Coffea arabica*) in Maui, Hawaii. *Journal of Nematology* 37:136-145.



Currículum vitae Impreso normalizado

Número de hojas que contiene:
17

Nombre: Mónica Berbegal Martínez

Fecha: 27/01/2014

- Este currículum no excluye que durante el proceso de evaluación se le requiera para ampliar y justificar la información aquí contenida.



VICERRECTORADO DE INVESTIGACIÓN

DATOS PERSONALES

Apellidos: *Berbegal Martínez*

DNI/Pasaporte: *29187218B*

Nacionalidad: *Española*

Fecha de nacimiento: *16/12/1976*

Nombre: *Mónica*

Sexo: *Mujer*

SITUACIÓN PROFESIONAL ACTUAL

Organismo: *Universidad Politécnica de Valencia*

Facultad, Escuela o Instituto: *Instituto Agroforestal Mediterráneo, Grupo de Investigación en Hongos Fitopatógenos*

Dirección postal: *Edificio 3K, ETSIAMN, Departamento de Ecosistemas Agroforestales, Patología Vegetal.*

Teléfono (indicar prefijo, número y extensión): *+34963879254*

Fax: *+34963879269*

Correo electrónico: mobermar@etsia.upv.es

Categoría profesional: *Técnico Superior grado Doctor*

Fecha de inicio: *21/05/2010*

Situación administrativa

Plantilla

Contratado

Interino

Becario

Otras situaciones especificar:

Dedicación

A tiempo completo

A tiempo parcial

LÍNEAS DE INVESTIGACIÓN

Breve descripción, por medio de palabras claves, de la especialización y líneas de investigación actuales.

Etiología, epidemiología, control, estructura genética de poblaciones, enfermedades fúngicas en hortalizas, *Mycosphaerella nawae*, mancha foliar del caqui, *Fusarium circinatum*, chancro resinoso de los pinos

FORMACIÓN ACADÉMICA

<i>Titulación Superior</i>	<i>Centro</i>	<i>Fecha</i>
<i>Ingeniero Agrónomo</i>	<i>ETSIAMN-UPV</i>	<i>20/02/2002</i>
<i>Especialista Universitario en Producción Vegetal y Ecosistemas Agroforestales: intensificación en Sanidad Vegetal</i>	<i>ETSIAMN-UPV</i>	<i>30/09/2004</i>

<i>Doctorado</i>	<i>Centro</i>	<i>Director/a tesis</i>	<i>Fecha</i>
<i>"Epidemiology, host range, genetic diversity and control of Verticillium dahliae, causal agent of Verticillium wilt of artichoke in eastern-central Spain"</i>	<i>ETSIAMN-UPV</i>	<i>Josep Armengol Fortí</i>	<i>08/07/2008</i>



VICERRECTORADO DE INVESTIGACIÓN

ACTIVIDADES ANTERIORES DE CARÁCTER CIENTÍFICO (*)

Puesto	Centro	Organismo (**)	Fecha de inicio	Fecha de finalización
Contrato Investigador	Fundación Agroalimed	Consellería de Agricultura, Pesca i Alimentació (GVA)	01/11/2009	20/05/2010
Contrato Titulado Superior	Fundación Agroalimed	Consellería de Agricultura, Pesca i Alimentació (GVA)	13/10/2008	31/10/2009
Becario de especialización	Instituto Agroforestal Mediterráneo	ETSIAMN-UPV	01/01/2007	10/10/2008
Becario FPU-MEC	Unidad de Patología Vegetal del Departamento de Ecosistemas Agroforestales	ETSIAMN-UPV	01/07/2003	31/12/2006
Becario de colaboración	Unidad de Patología Vegetal del Departamento de Ecosistemas Agroforestales	ETSIAMN-UPV	01/09/2001	31/12/2001

OTRAS ACTIVIDADES ANTERIORES

Puesto	Centro	Organismo (**)	Fecha de inicio	Fecha de finalización
Contrato Titulado Superior	Ingénica S. L.	Empresa privada	25/04/2002	30/06/2003

IDIOMAS (R = REGULAR, B = BIEN, C = CORRECTAMENTE)

Idioma	Habla	Lee	Escribe
Inglés	C	C	C
Valenciano	B	C	B



VICERRECTORADO DE INVESTIGACIÓN

PARTICIPACIÓN EN PROYECTOS DE INVESTIGACIÓN

TÍTULO DEL PROYECTO: Aplicación de técnicas moleculares para valorar la implicación de *Phytophthora* spp. en el decaimiento de *Quercus ilex*.

ENTIDAD FINANCIADORA: AGL2011-30438-C02-01 Ministerio de Ciencia e Innovación

DURACIÓN DESDE: 01-01-2012

HASTA: 31-12-2015

INVESTIGADOR PRINCIPAL: M^a Paloma Abad Campos

IMPORTE DE LA SUBVENCIÓN: €

Nº TOTAL INVESTIGADORES DEL SUBPROYECTO: 6

TÍTULO DEL PROYECTO: Epidemiología y control de verticilosis de cultivos hortícolas extensivos de alcachofa en la Comunidad Valenciana (Subproyecto enmarcado en un Proyecto coordinado de título "Epidemiología y control de verticilosis de cultivos hortícolas extensivos" que consta de dos subproyectos, el otro del Instituto de Agricultura sostenible, CSIC, de Córdoba).

ENTIDAD FINANCIADORA: AGL2000-1444-C02-02 Ministerio de Ciencia y Tecnología

DURACIÓN DESDE: 28-12-2000

HASTA: 27-12-2003

INVESTIGADOR PRINCIPAL: Josep Armengol Fortí

IMPORTE DE LA SUBVENCIÓN: 58.700 € (del Nº TOTAL INVESTIGADORES DEL SUBPROYECTO: 6 Subproyecto)



PUBLICACIONES

Indicar volumen, páginas inicial y final (año) y clave.

CLAVE: L= libro completo, CL.= capítulo de libro, A= artículo, R= revisión/"review", E= editor/a

(*) En el caso de aquellas publicaciones que estén en tramitación y aún no hayan sido publicadas, indicar únicamente la situación en la que se encuentra la publicación.

AUTORES/AS (p.o. de firma): Jiménez-Gasco M.M., Malcolm G.M., **Berbegal M.**, Armengol J., Jiménez-Díaz R.M.
TÍTULO: Complex molecular relationship between Vegetative Compatibility Groups in *Verticillium dahliae*: VCGs do not always align with clonal lineages
REF. REVISTA/LIBRO: Phytopathology (first look) ISSN 0031-949X CLAVE: A
FECHA PUBLICACIÓN (*): 2014

AUTORES/AS (p.o. de firma): **Berbegal M.**, López-Cortés I., Salazar D., Pérez-Sierra A., García-Jiménez J., Armengol J.
TÍTULO: First report of *Alternaria* black spot of pomegranate caused by *Alternaria alternata* in Spain
REF. REVISTA/LIBRO: Plant Disease (first look) ISSN 0191-2917 CLAVE: A
FECHA PUBLICACIÓN (*): 2014

AUTORES/AS (p.o. de firma): **Berbegal M.**, Mora-Sala B., García-Jiménez J.
TÍTULO: A Nested-Polymerase Chain Reaction protocol for the detection of *Mycosphaerella nawae* in persimmon
REF. REVISTA/LIBRO: European Journal of Plant Pathology 137: 273-281 CLAVE: A
FECHA PUBLICACIÓN (*): septiembre 2013

AUTORES/AS (p.o. de firma): **Berbegal M.**, Pérez-Sierra A., Armengol J., Grünwald N.
TÍTULO: Evidence for multiple introductions and clonality in Spanish populations of *Fusarium circinatum*
REF. REVISTA/LIBRO: Phytopathology 103: 851-861 ISSN 0031-949X CLAVE: A
FECHA PUBLICACIÓN (*): agosto 2013

AUTORES/AS (p.o. de firma): **Berbegal M.**, Pérez-Sierra A., Armengol J.
TÍTULO: First report of *Sirosporium celtidis* causing a foliar disease of European Hackberry in Spain
REF. REVISTA/LIBRO: Plant Disease 96: 1826 ISSN 0191-2917 CLAVE: A
FECHA PUBLICACIÓN (*): diciembre 2012

AUTORES/AS (p.o. de firma): Agustí-Brisach C., Pérez-Sierra A., Armengol J., García-Jiménez J., **Berbegal M.**
TÍTULO: Efficacy of hot water treatment to reduce the incidence of *Fusarium circinatum* on *Pinus radiata* seeds
REF. REVISTA/LIBRO: Forestry 85: 629-635 0015-752X CLAVE: A
FECHA PUBLICACIÓN (*): octubre 2012

AUTORES/AS (p.o. de firma): **Berbegal M.**, Álvarez-Bernaola L., Pérez-Sierra A., Armengol J.
TÍTULO: Identification of *Pythium tracheiphilum* as the causal agent of vascular necrosis of endive (*Cichorium endivia*) in Spain
REF. REVISTA/LIBRO: Phytoparasitica 40: 1-4 ISSN 0334-2123 CLAVE: A
FECHA PUBLICACIÓN (*): febrero 2012

AUTORES/AS (p.o. de firma): **Berbegal M.**, Armengol J., García-Jiménez-Díaz J.
TÍTULO: Evaluation of fungicides to control circular leaf spot of persimmon caused by *Mycosphaerella nawae*
REF. REVISTA/LIBRO: Crop Protection 30 (11):1461-1468 ISSN 0032-0862 CLAVE: A
FECHA PUBLICACIÓN (*): noviembre 2011



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS (p.o. de firma): **Berbegal M.**, Garzon C., Ortega A., Armengol J., Jiménez-Díaz R.M., Jiménez-Gasco M.M.
TÍTULO: Development and application of new molecular markers for analysis of genetic diversity in *Verticillium dahliae* populations.

REF. REVISTA/LIBRO: Plant Pathology 60 (5): 866-877 ISSN 0032-0862

CLAVE: A

FECHA PUBLICACIÓN (*): octubre 2011

AUTORES/AS (p.o. de firma): **Berbegal M.**, Mora B., Armengol J., García-Jiménez J.

TÍTULO: Consideraciones sobre el control de la necrosis foliar del caqui causada por *Mycosphaerella nawae*.

REF. REVISTA/LIBRO: Agrícola Vergel marzo 2011: 109-114 ISSN 0211-2728

CLAVE: A

FECHA PUBLICACIÓN (*): marzo 2011

AUTORES/AS (p.o. de firma): **Berbegal M.**, Jareño C.F., Armengol J., García-Jiménez J., Bolinches J.V., Franch J., Cuenca F., Alfaro-Lassala F.

TÍTULO: Estudios preliminares sobre el control de la necrosis foliar del caqui causada por *Mycosphaerella nawae* en España.

REF. REVISTA/LIBRO: Phytoma España 222: 42-45 ISSN 1131-8988

CLAVE: A

FECHA PUBLICACIÓN (*): octubre 2010

AUTORES/AS (p.o. de firma): **Berbegal M.**, Pérez-Sierra A., Armengol J., García-Jiménez J.

TÍTULO: La necrosis foliar causada por *Mycosphaerella nawae* Hiura & Ikata: una nueva enfermedad del caqui (*Diospyros kaki* L. f.) en España.

REF. REVISTA/LIBRO: Boletín Sanidad Vegetal Plagas 36 (2): 213-223 ISSN 0213-6910

CLAVE: A

FECHA PUBLICACIÓN (*): diciembre 2010

AUTORES/AS (p.o. de firma): Cirulli M., Bubici G., Amenduni M., Armengol J., **Berbegal M.**, Jiménez-Gasco M.M., Jiménez-Díaz R.M.

TÍTULO: Verticillium wilt: a threat to artichoke production.

REF. REVISTA/LIBRO: Plant Disease 94: 1176-1187 (2010) ISSN 0191-2917

CLAVE: R

FECHA PUBLICACIÓN (*): octubre 2010

AUTORES/AS (p.o. de firma): Felgueiras M., Dias A., Chicau G., **Berbegal M.**, León M., Armengol J.

TÍTULO: First report of Fusarium Wilt caused by *Fusarium oxysporum* f. sp. *basilici* on *Ocimum minimum* in Portugal.

REF. REVISTA/LIBRO: Plant Disease 94: 1170 (2010) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): septiembre 2010

AUTORES/AS (p.o. de firma): Pérez-Sierra A., León M., Álvarez L.A., Alaniz S., **Berbegal M.**, García-Jiménez J., Abad-Campos P.

TÍTULO: Outbreak of a new *Phytophthora* sp. associated with severe decline of almond trees in eastern Spain.

REF. REVISTA/LIBRO: Plant Disease 94:534-541 (2010) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): mayo 2010



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS (p.o. de firma): **Berbegal M.**, Ortega A., Jiménez-Gasco M.M., Olivares-García C., Jiménez-Díaz R.M., Armengol J.

TÍTULO: Genetic diversity and host range of *Verticillium dahliae* isolates from artichoke and other vegetable crops in eastern-central Spain.

REF. REVISTA/LIBRO: Plant Disease 94: 396-404 (2010) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): marzo 2010

AUTORES/AS (p.o. de firma): **Berbegal M.**, Pérez-Sierra A., Armengol J., Park Ch.S., García-Jiménez J.

TÍTULO: First report of circular leaf spot of persimmon caused by *Mycosphaerella nawae* in Spain.

REF. REVISTA/LIBRO: Plant Disease 94: 374 (2010) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): febrero 2010

AUTORES/AS (p.o. de firma): Armengol J., Vicent A., León M., **Berbegal M.**, Abad-Campos P., García-Jiménez J.

TÍTULO: Analysis of population structure of *Rosellinia necatrix* on *Cyperus esculentus* by mycelial compatibility and inter-simple sequence repeats (ISSR).

REF. REVISTA/LIBRO: Plant Pathology 59: 179-185 (2010) ISSN 0032-0862

CLAVE: A

FECHA PUBLICACIÓN (*): febrero 2010

AUTORES/AS (p.o. de firma): Collado-Romero M., **Berbegal M.**, Jiménez-Díaz R.M., Armengol J., Mercado-Blanco, J.

TÍTULO: A PCR-based "molecular tool box" for the *in planta* differential detection of *Verticillium dahliae* vegetative compatibility groups (VCGs) infecting artichoke.

REF. REVISTA/LIBRO: Plant Pathology 58: 515-526 (2009) ISSN 0032-0862

CLAVE: A

FECHA PUBLICACIÓN (*): junio 2009

AUTORES/AS (p.o. de firma): **Berbegal M.**, Armengol J.

TÍTULO: First report of *Verticillium dahliae* in faba bean.

REF. REVISTA/LIBRO: Plant Disease 93: 432 (2009) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): abril 2009

AUTORES/AS (p.o. de firma): **Berbegal M.**, García-Jiménez J., Armengol J.

TÍTULO: Effect of cauliflower residue amendments and soil solarization on *Verticillium* wilt control in artichoke.

REF. REVISTA/LIBRO: Plant Disease 92: 595-600 (2008) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): abril 2008

AUTORES/AS (p.o. de firma): **Berbegal M.**, Ortega A., García-Jiménez J., Armengol J.

TÍTULO: Inoculum density-disease development relationship in *Verticillium* wilt of artichoke caused by *Verticillium dahliae*.

REF. REVISTA/LIBRO: Plant Disease 91: 1331-1336 (2007) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): septiembre 2007



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS (p.o. de firma): Pérez-Sierra A., Landeras E., León M., **Berbegal M.**, García-Jiménez J., Armengol J.

TÍTULO: Characterization of *Fusarium circinatum* from *Pinus* spp. in northern Spain.

REF. REVISTA/LIBRO: Mycological Research 111: 832-839 (2007) ISSN 0953-7562

CLAVE: A

FECHA PUBLICACIÓN (*): junio 2007

AUTORES/AS (p.o. de firma): **Berbegal M.**, García-Jiménez J., Armengol J.

TÍTULO: Evaluation of cauliflower residue incorporation followed by tarping for *Verticillium* wilt control in artichoke.

REF. REVISTA/LIBRO: Acta Horticulturae 730: 399-406 (2007) ISSN 0567-7572

CLAVE: A

FECHA PUBLICACIÓN (*): enero 2007

AUTORES/AS (p.o. de firma): Collado-Romero M., **Berbegal M.**, Mercado-Blanco J., Armengol J., García-Jiménez J., Jiménez-Díaz R.M.

TÍTULO: Detection of *Verticillium dahliae* isolates differing in vegetative compatibility in infected artichoke plants by Multiplex-nested PCR.

REF. REVISTA/LIBRO: Acta Horticulturae 730: 367-374 (2007) ISSN 0567-7572

CLAVE: A

FECHA PUBLICACIÓN (*): enero 2007

AUTORES/AS (p.o. de firma): **Berbegal M.**, García-Jiménez J., Armengol J.

TÍTULO: Evaluación de la incorporación de residuo de coliflor combinado con solarización para el control de la Verticilosis de la alcachofa en la Comunidad Valenciana.

REF. REVISTA/LIBRO: Phytoma España 179: 30-36 (2006) ISSN 1131-8988

CLAVE: A

FECHA PUBLICACIÓN (*): mayo 2006

AUTORES/AS (p.o. de firma): Landeras E., García P., Fernández Y., Braña M., Fernández-Alonso O., Méndez-Lodos S., Pérez-Sierra A., León M., Abad-Campos P., **Berbegal M.**, Beltrán R., García-Jiménez J., Armengol J.

TÍTULO: Outbreak of pitch canker caused by *Fusarium circinatum* on *Pinus* spp. in northern Spain.

REF. REVISTA/LIBRO: Plant Disease 89: 1015 (2005) ISSN 0191-2917

CLAVE: A

FECHA PUBLICACIÓN (*): septiembre 2005

AUTORES/AS (p.o. de firma): Armengol J., **Berbegal M.**, Giménez-Jaime A., Romero S., Beltrán R., Vicent A., Ortega A., García-Jiménez J.

TÍTULO: Incidence of *Verticillium* wilt of artichoke in eastern Spain and role of inoculum sources on crop infection.

REF. REVISTA/LIBRO: Phytoparasitica 33: 397-405 (2005) ISSN 0334-2123

CLAVE: A

FECHA PUBLICACIÓN (*): julio 2005



VICERRECTORADO DE INVESTIGACIÓN

**PARTICIPACIÓN EN CONTRATOS DE INVESTIGACIÓN DE ESPECIAL
RELEVANCIA CON EMPRESAS Y/O ADMINISTRACIONES**

TÍTULO DEL CONTRATO: **Identificación y estudio de enfermedades foliares del ajo y cebolla**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Bayer CropScience

DURACIÓN DESDE: 24/02/2012

HASTA: 23/02/2015

INVESTIGADOR RESPONSABLE: Josep Armengol Fortí

TÍTULO DEL CONTRATO: **Prospección de enfermedades fúngicas en cultivos hortícolas**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Cooperativa Agrícola Villena

DURACIÓN DESDE: 15/03/2012

HASTA: 14/03/2015

INVESTIGADOR RESPONSABLE: José García Jiménez

TÍTULO DEL CONVENIO: **Convenio específico de colaboración entre el Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria, la Universidad Politécnica de Valencia, la Universidad de Valladolid, Neiker (Instituto Vasco de Investigación y Desarrollo Agrario), la Diputación de Pontevedra y la Consejería de Medio Rural y Pesca del Principado de Asturias para la realización del PROYECTO: "ETIOLOGÍA, EPIDEMIOLOGÍA Y CONTROL DE *FUSARIUM CIRCINATUM*".**

ENTIDAD FINANCIADORA: Ministerio de Medio Ambiente y Medio Rural y Marino – Instituto de Investigación y Tecnología Agraria y Alimentaria (INIA).

DURACIÓN DESDE: 26/03/2010

HASTA: 25/03/2012

INVESTIGADOR PRINCIPAL: Coordinador de todo el Proyecto: José García Jiménez, que además participa en el subproyecto correspondiente a la Universidad Politécnica de Valencia, cuyo investigador principal es Josep Armengol Fortí.

IMPORTE DE LA SUBVENCIÓN: De todo el Proyecto: 950.000 €. Del subproyecto de la Universidad Politécnica de Valencia: 170.851 €

TÍTULO DEL CONTRATO: **Estudio del control de la necrosis foliar del caqui causada por *Mycosphaerella nawae* mediante tratamientos con azoxistrobin y difenoconazol**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Syngenta Agro S.A.

DURACIÓN DESDE: 1-3-2010

HASTA: 2-1-2011

INVESTIGADOR RESPONSABLE: José García Jiménez

TÍTULO DEL CONVENIO: **Etiología de la necrosis foliar y caída precoz de frutos del caqui.**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Fundación de la Comunidad Valenciana para la Investigación Agroalimentaria "AGROALIMED"

DURACIÓN DESDE: 29-10-2008

HASTA: 27-1-2009

(Mediante adendas trimestrales, la duración del Convenio se ha prorrogado hasta el 31-12-2012)

INVESTIGADOR RESPONSABLE: José García Jiménez

TÍTULO DEL CONTRATO: **Ensayo de control de la Verticilosis causada por *Verticillium dahliae* en alcachofa**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Isagro España S.L.

DURACIÓN DESDE: 22/09/2008

HASTA: 22/09/2009

INVESTIGADOR/A RESPONSABLE: Josep Armengol Fortí



VICERRECTORADO DE INVESTIGACIÓN

TÍTULO DEL CONTRATO: **Estudios preliminares sobre la efectividad de los tratamientos de termoterapia con agua caliente para el control de *Fusarium circinatum* en semillas de coníferas**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Ministerio de Medio Ambiente y Medio Rural y Marino
DURACIÓN DESDE: 04/12/2007 HASTA: 04/04/2009
INVESTIGADOR/A RESPONSABLE: José García Jiménez

TÍTULO DEL CONTRATO: **Asesoramiento en la identificación de hongos fitopatógenos dentro de la red de vigilancia fitosanitaria de cítricos de la Comunidad Valenciana**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Tecnologías y Servicios Agrarios S.A.
DURACIÓN DESDE: 22/11/2006 HASTA: 22/01/2008
INVESTIGADOR/A RESPONSABLE: José García Jiménez

TÍTULO DEL CONTRATO: **Evaluación de la infección por *Verticillium dahliae* en 21 materiales de alcahofa de semilla**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Nunhems Spain S.A.
DURACIÓN DESDE: 30/11/2006 HASTA: 30/11/2007
INVESTIGADOR/A RESPONSABLE: Josep Armengol Fortí

TÍTULO DEL CONTRATO: **Estudio de la transmisión de *Verticillium dahliae* por semilla de alcahofa y evaluación del comportamiento de diferentes materiales de alcahofa frente a la infección por *V. dahliae***

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Nunhems Spain S.A.
DURACIÓN DESDE: 01/10/2005 HASTA: 01/10/2006
INVESTIGADOR/A RESPONSABLE: Josep Armengol Fortí

TÍTULO DEL CONTRATO: **Estudio del comportamiento de diferentes materiales de alcahofa frente a la infección por *Verticillium dahliae***

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Nunhems Spain S.A.
DURACIÓN DESDE: 01/09/2004 HASTA: 01/09/2005
INVESTIGADOR/A RESPONSABLE: Josep Armengol Fortí

TÍTULO DEL CONTRATO: **Identificación de hongos nocivos de los vegetales**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Ministerio de Medio Ambiente y Medio Rural y Marino
DURACIÓN DESDE: 05/07/2002 HASTA: 05/12/2007
INVESTIGADOR/A RESPONSABLE: José García Jiménez

TÍTULO DEL CONTRATO: **Eficacia de diferentes formulaciones de oxiclóruo de cobre y caldo bordelés en el control de la mancha marrón de los cítricos causada por *Alternaria***

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Industrias Químicas del Vallés S.A.
DURACIÓN DESDE: 08/03/2006 HASTA: 08/02/2007
INVESTIGADOR/A RESPONSABLE: José García Jiménez

TÍTULO DEL CONTRATO: **Estudio sobre la micoflora asociada a la mancha amarilla en corcho**

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Miguel Torres S.A.
DURACIÓN DESDE: 21/06/2000 HASTA: 21/06/2001
INVESTIGADOR/A RESPONSABLE: José García Jiménez



ESTANCIAS EN CENTROS DE INVESTIGACIÓN

CLAVE: D=doctorado, P=postdoctoral. I= invitado/a, C=contratado/a, O=otras (especificar)

CENTRO: Horticultural Crops Research Laboratory. USDA
LOCALIDAD: Corvallis, OR PAÍS: USA AÑO: 2011 DURACIÓN: 4 meses
TEMA: Análisis de la estructura genética de poblaciones de *Fusarium circinatum* CLAVE: P
ENTIDAD FINANCIADORA: UPV

CENTRO: Department of Plant Pathology. The Pennsylvania State University
LOCALIDAD: State College, PA PAÍS: USA AÑO: 2007 DURACIÓN: 2 meses
TEMA: Análisis de la estructura genética de poblaciones de *Verticillium dahliae* CLAVE: D
ENTIDAD FINANCIADORA: Instituto Agroforestal Mediterráneo-UPV

CENTRO: Department of Plant Pathology. The Pennsylvania State University
LOCALIDAD: State College, PA PAÍS: USA AÑO: 2006 DURACIÓN: 3 meses
TEMA: Desarrollo de nuevos marcadores moleculares para *Verticillium dahliae* CLAVE: D
ENTIDAD FINANCIADORA: Ministerio de Educación y Ciencia

CENTRO: Biological Farming Systems Group. Wageningen University
LOCALIDAD: Wageningen PAÍS: Holanda AÑO: 2005 DURACIÓN: 3 meses
TEMA: Detección de *Verticillium dahliae* en suelo CLAVE: D
ENTIDAD FINANCIADORA: Ministerio de Educación y Ciencia

CENTRO: Instituto de Agricultura Sostenible CSIC
LOCALIDAD: Córdoba PAÍS: España AÑO: 2004 DURACIÓN: 3 meses
TEMA: Detección molecular de *Verticillium dahliae* en planta CLAVE: D
ENTIDAD FINANCIADORA: Ministerio de Educación y Ciencia



CONGRESOS

AUTORES/AS: *Berbegal M., Pérez-Sierra A., Armengol J., Grünwald N.*

TÍTULO: Estructura genética de las poblaciones de *Fusarium circinatum* en España

TIPO DE PARTICIPACIÓN: Comunicación oral.

CONGRESO: XVI Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Abstracts book

LUGAR DE CELEBRACIÓN: Málaga (Spain) 2012

AUTORES/AS: *Catalá S., López-García M.C., Beltrán A., Berbegal M., Abad-Campos P., Pérez-Sierra A.*

TÍTULO: Métodos tradicionales de aislamiento vs. "next generation sequencing": ¿cuántas especies de *Phytophthora* se pueden detectar en suelos forestales?

TIPO DE PARTICIPACIÓN: Comunicación oral.

CONGRESO: XVI Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Abstracts book

LUGAR DE CELEBRACIÓN: Málaga (Spain) 2012

AUTORES/AS: *Catalá S., Pérez-Sierra A., Berbegal M., Abad-Campos P.*

TÍTULO: First approach into the knowledge of the *Phytophthora* spp. diversity in Mediterranean Holm oak forests based on 454 parallel amplicon pyrosequencing of soil samples

TIPO DE PARTICIPACIÓN: Comunicación oral.

CONGRESO: 6th IUFRO Meeting Working Party 7-02-09

PUBLICACIÓN: Abstracts book

LUGAR DE CELEBRACIÓN: Córdoba (Spain) 2012

AUTORES/AS: *Berbegal M., Mora-Sala B., García-Jiménez J.*

TÍTULO: Diseño de un protocolo de detección de *Mycosphaerella nawae* en muestras vegetales de caqui

TIPO DE PARTICIPACIÓN: Panel.

CONGRESO: XVI Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Abstracts book

LUGAR DE CELEBRACIÓN: Málaga (Spain) 2012

AUTORES/AS: *Agustí-Brisach C., Berbegal M., Pérez-Sierra A., Armengol J., García-Jiménez J.*

TÍTULO: Hot water treatment to reduce *Fusarium circinatum* contamination on *Pinus radiata* seeds

TIPO DE PARTICIPACIÓN: Comunicación oral.

CONGRESO: IUFRO 2011, Global Change and Forest Diseases: New Threats, New Strategies

PUBLICACIÓN: Abstracts book

LUGAR DE CELEBRACIÓN: Cantabria (Spain) 2011

AUTORES/AS: *Jiménez-Gasco M.M., Malcolm G.M., Berbegal M., Armengol J., Jiménez-Díaz R.M.*

TÍTULO: Phylogenetic relationships among *Verticillium dahliae* vegetative compatibility groups based on IGS and polymorphic sequences

TIPO DE PARTICIPACIÓN: Panel.

CONGRESO: Annual Meeting of the American Phytopathological Society, 2011

PUBLICACIÓN: *Phytopathology* (supplement) 101:S83 (ISBN0031-949X)

LUGAR DE CELEBRACIÓN: Honolulu, Hawaii (USA) 2011



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS: Agustí-Brisach C., Pérez-Sierra A., **Berbegal M.**, Aguado-Ortega A., Iglesias-Sauce S., Armengol J., García-Jiménez J.

TÍTULO: Tratamientos por termoterapia con agua caliente para el control de *Fusarium circinatum* en semillas de *Pinus radiata*

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: XV Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Vitoria (España) 2010

AUTORES/AS: Rodríguez-Reina J.M., **Berbegal M.**, Armengol J., García-Jiménez J.

TÍTULO: Evaluación *in vitro* de fungicidas para el control de *Fusicladium eriobotryae*

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: XV Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Vitoria (España) 2010

AUTORES/AS: Ramón-Albalat A., **Berbegal M.**, Pérez-Sierra A., García-Jiménez J., Armengol J.

TÍTULO: Evaluación *in vitro* de fungicidas para el control de *Fusarium circinatum*

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: XV Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Vitoria (España) 2010

AUTORES/AS: **Berbegal M.**, Armengol J., García-Jiménez J.

TÍTULO: Control de la necrosis foliar del caqui causada por *Mycosphaerella nawae*

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: XV Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Vitoria (España) 2010

AUTORES/AS: Pérez-Sierra A., León M., Álvarez L.A., Alaniz S., **Berbegal M.**, García-Jiménez J., Abad-Campos P.

TÍTULO: Decaimiento y muerte de almendros causada por *Phytophthora taxon niederhauserii*

TIPO DE PARTICIPACIÓN: Comunicación oral.

CONGRESO: XV Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Vitoria (España) 2010

AUTORES/AS: **Berbegal M.**, Pérez-Sierra A., Armengol J., García-Jiménez J.

TÍTULO: La necrosis foliar del caqui: una nueva enfermedad causada por *Mycosphaerella nawae*

TIPO DE PARTICIPACIÓN: Comunicación oral.

CONGRESO: XV Congreso de la Sociedad Española de Fitopatología

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Vitoria (España) 2010



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS: *Berbegal M., Garzon C., Ortega A., Armengol J., Jiménez-Díaz R.M., Jiménez-Gasco M.M.*
TÍTULO: Development and application of new molecular markers for the analysis of genetic diversity in *Verticillium dahliae* populations.

TIPO DE PARTICIPACIÓN: Comunicación oral.
CONGRESO: X International Verticillium Symposium
PUBLICACIÓN: Abstracts Book
LUGAR DE CELEBRACIÓN: Corfu (Grecia) 2009

AUTORES/AS: *Jiménez-Gasco M.M., Berbegal M., Malcolm G.M., Armengol A., Jiménez-Díaz R.M.*
TÍTULO: New insights on the phylogenetic relationships of vegetative compatibility groups in *Verticillium dahliae*.

TIPO DE PARTICIPACIÓN: Comunicación oral.
CONGRESO: X International Verticillium Symposium
PUBLICACIÓN: Book of abstracts
LUGAR DE CELEBRACIÓN: Corfu (Grecia) 2009

AUTORES/AS: *Agustí-Brisach C., Pérez-Sierra A., Berbegal M., Aguado-Ortega A., Iglesias-Sauce S., Armengol J., García-Jiménez J.*

TÍTULO: Estudios preliminares sobre el control de *Fusarium circinatum* en semillas de *Pinus* spp. mediante tratamientos con agua caliente.

TIPO DE PARTICIPACIÓN: Panel.
CONGRESO: V Congreso Forestal Español
PUBLICACIÓN: Actas 5º Congreso Forestal Español (ISBN978-84-936854-6-1)
LUGAR DE CELEBRACIÓN: Burgos (España) 2009

AUTORES/AS: *Jiménez-Gasco M.M., Berbegal M., Yanez J., Garzon C., Armengol J., Jiménez-Díaz R.M.*
TÍTULO: New polymorphic markers for analysis of genetic diversity in *Verticillium dahliae* populations.

TIPO DE PARTICIPACIÓN: Panel.
CONGRESO: Annual Meeting of the American Phytopathological Society., 2008
PUBLICACIÓN: Phytopathology (supplement) 98:S75 (ISBN0031-949X)
LUGAR DE CELEBRACIÓN: Minneapolis (USA) 2008

AUTORES/AS: *Berbegal M., Armengol J., Jiménez-Gasco M.M.*

TÍTULO: Development and application of microsatellite and single nucleotide polymorphic markers in *Verticillium dahliae*.

TIPO DE PARTICIPACIÓN: Panel.
CONGRESO: IX International Congress of Plant Pathology
PUBLICACIÓN: Journal of Plant Pathology 90 (2, supplement): S2.454 (ISBN1125-4653)
LUGAR DE CELEBRACIÓN: Torino (Italia) 2008

AUTORES/AS: *Vicent A., León M., Berbegal M., Abad-Campos P., García-Jiménez J., Armengol J.*

TÍTULO: Mycelial compatibility and inter-simple sequence repeats (ISSR) análisis reveal a clonal structure among strains of *Rosellinia necatrix* isolated from *Cyperus esculentus*.

TIPO DE PARTICIPACIÓN: Panel.
CONGRESO: IX International Congress of Plant Pathology
PUBLICACIÓN: Journal of Plant Pathology 90 (2, supplement): S2.184 (ISBN1125-4653)
LUGAR DE CELEBRACIÓN: Torino (Italia) 2008



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS: *Berbegal M., Pérez-Sierra A., García-Jiménez J., Armengol J., Jiménez-Gasco M.M.*

TÍTULO: Phenotypic and genotypic diversity in *Fusarium circinatum*.

TIPO DE PARTICIPACIÓN: Panel.

CONGRESO: X International *Fusarium* Workshop and *Fusarium* Genomics Workshop.

PUBLICACIÓN: *Journal of Plant Pathology* 90 (3, supplement): S3.17 (ISBN1125-4653)

LUGAR DE CELEBRACIÓN: Alghero (Italia) 2008

AUTORES/AS: *Berbegal M., Álvarez L.A., Pérez-Sierra A., García-Jiménez J., Armengol J.*

TÍTULO: Identificación y caracterización de aislados españoles de *Pythium tracheiphilum* en lechuga y escarola.

TIPO DE PARTICIPACIÓN: Panel.

CONGRESO: XIV Congreso de la Sociedad Española de Fitopatología.

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Lugo (España) 2008

AUTORES/AS: *Pérez-Sierra A., Álvarez L.A., León M., Berbegal M., Armengol J., García Jiménez J.*

TÍTULO: Necrosis foliar de romero causada por *Rhizoctonia solani*.

TIPO DE PARTICIPACIÓN: Panel.

CONGRESO: XIII Congreso de la Sociedad Española de Fitopatología.

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Murcia (España) 2006

AUTORES/AS: *Pérez-Sierra A., Landeras E., León M., Berbegal M., García P., García Jiménez J., Armengol J.*

TÍTULO: Caracterización de *Fusarium circinatum* afectando a *Pinus* spp. en España.

TIPO DE PARTICIPACIÓN: Comunicación oral

CONGRESO: XIII Congreso de la Sociedad Española de Fitopatología.

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Murcia (España) 2006

AUTORES/AS: *Berbegal M., García-Jiménez J., Armengol J.*

TÍTULO: Control de la Verticilosis de la alcachofa mediante incorporación de residuos de coliflor combinada con solarización y Metam Sodio.

TIPO DE PARTICIPACIÓN: Comunicación oral

CONGRESO: XIII Congreso de la Sociedad Española de Fitopatología.

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Murcia (España) 2006

AUTORES/AS: *Collado-Romero M., Berbegal M., Mercado-Blanco J., Armengol J., Jiménez-Díaz R.*

TÍTULO: Detection of *Verticillium dahliae* isolates differing in vegetative compatibility in infected artichoke plants by multiplex nested PCR.

TIPO DE PARTICIPACIÓN: Comunicación oral

CONGRESO: VI International Symposium on Artichoke, Cardoon and their wild relatives.

PUBLICACIÓN: Abstracts Book

LUGAR DE CELEBRACIÓN: Lorca (España) 2006



VICERRECTORADO DE INVESTIGACIÓN

AUTORES/AS: *Berbegal M., García-Jiménez J., Armengol J.*

TÍTULO: Evaluation of cauliflower residue incorporation followed by tarping for *Verticillium* wilt control in artichoke.

TIPO DE PARTICIPACIÓN: Comunicación oral

CONGRESO: VI International Symposium on Artichoke, Cardoon and their wild relatives.

PUBLICACIÓN: Abstracts Book

LUGAR DE CELEBRACIÓN: Lorca (España) 2006

AUTORES/AS: *Berbegal M., Ortega A., García-Jiménez J., Armengol J.*

TÍTULO: Study of the relationships between *Verticillium dahliae* density and wilt incidence and severity of artichoke.

TIPO DE PARTICIPACIÓN: Comunicación oral

CONGRESO: IX International *Verticillium* Symposium.

PUBLICACIÓN: Abstracts Book

LUGAR DE CELEBRACIÓN: Monterey (USA)

AÑO: 2005

AUTORES/AS: *Jaafar L., Abad-Campos P., Berbegal M., Beltrán R., García-Jiménez J., Armengol J., Landeras E.*

TÍTULO: Identificación de *Fusarium circinatum* en *Pinus* spp. en Asturias.

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: XII Congreso de la Sociedad Española de Fitopatología.

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Lloret de Mar (Gerona)

AÑO: 2004

AUTORES/AS: *Berbegal M., Royuela M.A., Ortega A., Armengol J., García-Jiménez J.*

TÍTULO: Estudio de la relación entre la densidad de inóculo de *Verticillium dahliae* en campos de alcachofa y la incidencia y severidad de la Verticilosis.

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: XII Congreso de la Sociedad Española de Fitopatología.

PUBLICACIÓN: Libro de resúmenes

LUGAR DE CELEBRACIÓN: Lloret de Mar (Gerona)

AÑO: 2004

AUTORES/AS: *Berbegal M., Armengol J., García-Jiménez J., Roselló J., Matas C.*

TÍTULO: Aislamiento e identificación de hongos asociados a la mancha amarilla en el corcho.

TIPO DE PARTICIPACIÓN: Panel

CONGRESO: VII Congreso Nacional de Enólogos.

PUBLICACIÓN: Revista oficial de la federación española de asociaciones de enólogos 17: 52-58.

LUGAR DE CELEBRACIÓN: Santiago de Compostela

AÑO: 2002



VICERRECTORADO DE INVESTIGACIÓN

OTROS MÉRITOS O ACLARACIONES QUE SE DESEE HACER CONSTAR
(utilice únicamente el espacio de una página DIN A4)

OTROS MÉRITOS: DOCENCIA

Acreditación de la AVAP (Agència Valenciana D'Avaluació i Prospectiva) para la contratación como profesorado en las Universidades valencianas, en la figura de Profesor Ayudante Doctor (15/12/2009)

Certificado Acreditativo de Aptitud Pedagógica por el Instituto de Ciencias de la Educación de la UPV (30/03/2004)

Título: **Bases para el planteamiento de ensayos de control en enfermedades fúngicas**. Centro: ETSIAMN (UPV). Fecha: 8-10 de enero de 2014.

Título: **Curso de Gestión Integrada de Plagas, Enfermedades y Malas Hierbas en Cultivos Mediterráneos**. Centro: ETSIAMN (UPV). Fecha: 4 de octubre de 2013-30 de febrero de 2014.

Título: **Curso de Identificación Molecular de Organismos Fitopatógenos**. Centro: Facultad de Agronomía, Fitopatología. Organismo: Universidad de La República de Uruguay. Fecha: 16-20 de abril de 2012.

Título: **Curso de Identificación de Fusarium**. Centro: E.T.S.I.A. (U.P.V.) Organismo: MARM. Fecha: 13-14 de julio 2006.

Título: **Curso de Identificación de Fusarium circinatum**. Centro: E.T.S.I.A. (U.P.V.) Organismo: MARM. Fecha: 12-15 de julio 2005.

Colaboración en la docencia de las asignaturas:

Curso académico	Asignatura	Ciclo	Titulación	Universidad / Centro	Nº de créditos
03-04	Patología Vegetal	2º	Ingeniero Agrónomo	ETSIAMN (UPV)	4,5
04-05	Patología Vegetal	2º	Ingeniero Agrónomo	ETSIAMN (UPV)	4,5
03-04	Protección de Cultivos	1º	Ingeniero Técnico Agrícola	ETSIAMN (UPV)	6
04-05	Protección de Cultivos	1º	Ingeniero Técnico Agrícola	ETSIAMN (UPV)	6
05-06	Protección de Cultivos	1º	Ingeniero Técnico Agrícola	ETSIAMN (UPV)	6
06-07	Protección de Cultivos	1º	Ingeniero Técnico Agrícola	ETSIAMN (UPV)	6

OTROS MÉRITOS: DIVULGACIÓN CIENTÍFICA

EL FORCAT-C9 Radio 25/10/2010-15:15h

SA I BÓ TV UPV 07/06/2010

<http://mediaserver01.upv.es/UPRTV/TV/lista.asp?programa=Sa%20i%20bo>

AGROSFERA TVE1 20/11/2010

<http://www.rtve.es/mediateca/videos/20101120/agrosfera-20-11-10/936383.shtml?s1=programas&s2=informativos&s3=agrosfera&s4=>

AIRE LLIURE LIBERTAD DIGITAL-LA RIBERA 17/11/2009

<http://airelliurevalencia.blogspot.com/>

CHARLAS y reuniones INFORMATIVAS

- Congreso Internacional del Ajo en Pedroñeras (26/07/2013)
- Ayuntamiento de Alzira (20/02/2012)
- IX Jornadas Técnicas EXPOCITFRESA-Huelva 2011 (24/02/2011)
- Cooperativa de L'Alcúdia (03/03/2011)
- Ayuntamiento de Alzira (09/03/2011)
- Cooperativa de Carlet (18/02/2010)
- Ayuntamiento de Alginet (25/02/2010)
- Ayuntamiento de Alzira (09/03/2010)
- Cooperativa de Villanueva de Castellón (10/03/2010)
- Ayuntamiento de Alberic (16/03/2010)
- Cooperativa de Llutxent (25/03/2010)
- Ayuntamiento de Alzira (07/04/09)
- Carlet-reunión FECOAV (07/05/09)
- Ayuntamiento de Rafelguaraf (11/05/09)
- Cooperativa de Carlet (19/08/09)
- Cooperativa de Carlet (16/09/09)
- Cooperativa de Villanueva de Castellón (23/09/09)

OTROS MÉRITOS: REVISIÓN DE ARTÍCULOS CIENTÍFICOS

Revistas:

- Plant Disease
- Crop Protection
- European Journal of Plant Pathology
- PLOS ONE
- Phytopatologia Mediterranea

CURRICULUM VITAE

James Wanjohi Muthomi
BSc. (Agriculture), MSc. (Plant Pathology), PhD (Crop Protection)

Associate Professor

Department of Plant Science and Crop Protection
Faculty of Agriculture
College of Agriculture and Veterinary Sciences
University of Nairobi

P. O. Box 29053-00625,
Nairobi, Kenya.
Tel. +254-0202055129;
E-mail: james_wanjohi@yahoo.com,
james.muthomi@uonbi.ac.ke;
Cell phone +254722-984179

January 2014

Table of Contents

1. Personal Details	- 3 -
2. Professional Training and Education Background.....	- 3 -
2.1 Professional Training.....	- 3 -
2.2 High School and Primary Education.....	- 3 -
3. Employment Record	- 3 -
4. Academic publications	- 4 -
4.1 Scientific Publications in Refereed Journals	- 4 -
4.2. Papers presented in conferences, seminars and workshops.....	- 9 -
4.3 Curriculum content documents	- 14 -
5. Supervision of postgraduate students.....	- 15 -
5.1 PhD. Students (Graduated).....	- 15 -
5.2 PhD. Students (On-going).....	- 15 -
5.3 Masters students (Completed)	- 16 -
5.4 Masters students (On-going thesis Research).....	- 18 -
6. Work Experience and Professional Responsibilities.....	- 20 -
6.1 Teaching Responsibilities	- 20 -
6.2 Participation and leadership in Faculty and Departmental Committees	- 20 -
6.3 Development and Review of Academic Curricula	- 21 -
6.4 External Examination of Postgraduate theses.....	- 22 -
6.5 External Examiner – University Examinations.....	- 23 -
6.6. Review of scientific manuscripts.....	- 24 -
6.7 Other Professional Assignments	- 24 -
7. Conferences and professional meetings attended.....	- 25 -
8. Research Projects	- 27 -
8.1Funded research projects	- 27 -
8.2 Equipment acquired under the funded research projects.....	- 29 -
9. Courses and trainings attended	- 29 -
10. Awards	- 30 -
11. Membership to Professional Associations.....	- 31 -
12. Service to the Community	- 31 -
11. Referees	- 32 -

1. Personal Details

1.1 Date of Birth: 6th July 1965

1.2 Marital status: Married with 3 children

1.3 Current Position: Associate Professor

1.4 Address: Department of Plant Science and Crop Protection, Faculty of Agriculture, College of Agriculture and Veterinary Sciences, University of Nairobi.

P. O. Box 29053-00625, Nairobi, Kenya. Tel. +254-0202055129;

E-mail: james_wanjohi@yahoo.com, james.muthomi@uonbi.ac.ke;

Cell phone +254722-984179

2. Professional Training and Education Background

2.1 Professional Training

Degree	Time	Thesis title	University
PhD in Crop Protection	1997 - 2001	Comparative studies on virulence, genetic variability and mycotoxin production among isolates of <i>Fusarium</i> species infecting wheat	University of Nairobi/ University of Bonn
MSc in Plant Pathology	1990 - 1993	Isolation and screening for antibiotics from soil actinomycetes and their control of <i>Fusarium</i> wilt of carnation	University of Nairobi
BSc Agriculture	1987 - 1990	N/A	University of Nairobi

2.2 High School and Primary Education

Education Level	Time	School	Examination
High School, A - Level	1984 - 1985	Njiris High School	Kenya Advanced Certificate of Education (KACE) - 3 Principals and 1 subsidiary – 15 points
High School, O - Level	1980 - 1983	St. Mary's Boys Secondary School, Nyeri	Kenya Certificate of Education (KCE) - Division I of 21 points
Primary School	1972 - 1979	Kiandu Primary School	Certificate of Primary Education (CPE) - 30 points

3. Employment Record

Employer	Time	Position	Responsibilities
Department of Plant Science and Crop Protection, University of Nairobi	From December 2013	Associate Professor	Teaching undergraduate and postgraduate degree programmes, development of academic programmes, leadership in crop protection research, thesis supervision, examination of MSc and PhD theses, leadership of Faculty and Departmental Committees, coordination of postgraduate training at Department
Department of Plant Science and Crop Protection, University of Nairobi	July 2008 – December 2013	Senior Lecturer	Teaching undergraduate and postgraduate degree programmes, crop protection research, thesis supervision, examination of MSc and PhD theses, leadership of Faculty

			and Departmental Committees, coordination of postgraduate training at Department
Department of Crop Protection, University of Nairobi	2002 - 2008	Lecturer	Teaching undergraduate and postgraduate degree programmes, crop protection research, thesis supervision, examination of MSc, participation in Faculty and Departmental Committees,
Department of Crop Protection, University of Nairobi	1995 - 2002	Assistant Research Fellow	Teaching and supervision of undergraduate students
Department of Crop Science, University of Nairobi	1993 - 1995	Assistant Research Fellow	Attached to Kibwezi Irrigation Project of the Dry Land Field Station as a resident plant pathologist – incharge of pest and disease management in vegetable production; assisting in management of irrigation project
Ministry of Agriculture, Livestock Development and Marketing	1993	Agricultural Officer II	Crop Protection Officer, Kitui District – subject matter specialist incharge of crop protection activities, reporting to District Agricultural officer.

4. Academic publications

Authored and co-authored 49 scientific publications (17 as first author) in refereed international journals. In addition, 47 conference proceeding papers have been presented in international scientific conferences.

4.1 Scientific Publications in Refereed Journals

1. L.W. Karanja, P.M. Wachira, **J.W. Muthomi**, N.A. Phiri, C.K. Mutegi, H.S. Nzioki, A .K. Gikaru, F. Kanampiu and J.M.Wagacha. 2013. Use of geographical information system to determine incidence of *Aspergillus* section *flavi* in different soils in Kaiti, Kenya. Accepted: East African Agricultural and Forestry Journal 78
2. Muriungi, S J, Mutitu, EW and **Muthomi JW**. 2013. Efficacy of cultural methods in the control of *Rhizoctonia solani* strains causing tomato damping off in Kenya. Accepted: African Journal of Food, Agriculture, Nutrition and Development (AJFAND).
3. Bigirimana, J, Kiarie Njoroge, **J.W. Muthomi**, D.J. Walyaro, N.A. Phiri, E.K., Gichuru and D. Gahakwa. 2013. Resistance of Arabica coffee genotypes (*Coffea arabica* L.) to Coffee berry disease and Coffee leaf rust in Rwanda. Accepted: International Journal of Farming and Allied Sciences (IJFAS)
4. F. K. Tom, **J. W. Muthomi**, F. M. Olubayo, and G. N. Chemining'wa. 2013. Resistance of locally grown maize genotypes to infestation by maize weevil (*Sitophilus zeamais* Motsch.). East African Agricultural and Forestry Journal 78 (4): 257-265.

5. S.W. Wahome, P.M. Kimani, **J.W. Muthomi**, and R.D. Narla. 2013. Quality and yield of snap bean lines locally developed in Kenya. *International Journal of Agronomy and Agricultural Research (IJAAR)*, 3(7): 1-10.
6. **J. W. Muthomi**, R. W. Weru, G. N. Chemining'wa and E. W. Mutitu. 2013. Tolerance of maize varieties to infection by *Aspergillus flavus* and aflatoxin accumulation. *East African Agricultural and Forestry Journal* 78 (1): 113-118
7. Mureithi, B. K., **Muthomi, J. W.**, Chemining'wa, G. N. and Mutitu, E. W. 2013. Identification of predisposing factors to aflatoxin contamination of maize value chain in eastern Kenya. *East African Agricultural and Forestry Journal* 78(4): 217-226.
8. Bigirimana, J, Kiarie Njoroge, **J.W. Muthomi**, D. Gahakwa, N.A. Phiri, E.K., Gichuru and D.J. Walyaro. 2013. Genetic Diversity among Disease Resistant Coffee Varieties and Cultivars in Rwanda Based On RAPD and SSR Markers. *Journal of Renewable Agriculture* 1(6): 106-112.
9. BIRTHIA, R., S. Subramanian, H. R. Pappu, **J. Muthomi** and R. D. Narla. 2013. Analysis of *Iris yellow spot virus* (IYSV, genus *Tospovirus*) replication in vector and non-vector thrips species. *Plant Pathology* DOI: 10.1111/ppa.12057
10. Kitonyo, OM, Chemining'wa GN, **Muthomi JW**. 2013. Productivity of farmer-preferred maize varieties intercropped with beans in semi-arid Kenya . *International Journal of Agronomy and Agricultural Research (IJAAR)*. 3(1):6-16.
11. BIRTHIA, R., Subramanian, S., Villinger, J., **Muthomi, J.**, Narla, R.D. and Pappu, H.R. 2012. First report of tomato yellow ring virus (Tospovirus, Bunyaviridae) Infecting tomatoes in Kenya. *Plant Disease* 96, 1384.
12. Chemining'wa George N., Ngeno J., **Muthomi J.W** and Shibairo S.I. 2012. Effectiveness of indigenous pea rhizobia (*Rhizobium leguminosarum* bv. *viciae*) in cultivated soils of central Kenya. *Journal of Applied Biosciences* 57: 4177-4185
13. R. Nyankanga, M. Njogu, **J. Muthomi** and M. Olanya' 2012. Efficacy of fungicide combinations, phosphoric acid and plant extract from stinging nettle on potato late blight management and tuber yield. *Archives of Phytopathology and Plant Protection*, 45 (12): 1449-1463.
14. Ngeno Jonah, Chemining'wa George N., **Muthomi James W.** and Shibairo Solomon I. 2012. Effect of Rhizobium inoculation and nitrogen fertilizer application on growth, nodulation and yield of two garden pea genotypes. *Journal of Animal & plant Sciences* 15: 2147-2156.

15. Scholastica Leah Musyimi, **James Wanjohi Muthomi**, Rama Devi Narla, John Maina Wagacha. 2012. Efficacy of Biological Control and Cultivar Resistance on Fusarium Head Blight and T-2 Toxin Contamination in Wheat. *American Journal of Plant Sciences*, 3: 599-607
16. Gachu S.M., **Muthomi J.W.**, Narla R.D., Nderitu J.H., Olubayo F.M., Wagacha J.M. 2012. Management of thrips (*Thrips tabaci*) in bulb onion by use of vegetable intercrops. *International Journal of AgriScience* 2(5): 393-402.
17. **James W. Muthomi**, Scholastica L. Musyimi, John M. Wagacha, Rama D. Narla. 2012. Occurrence of *Fusarium* species and associated T2-toxin in Kenyan wheat. *Agricultural Sciences* 3(1): 24-34.
18. **Muthomi J. W.**, Mureithi B. K., Chemining'wa G. N., Gathumbi J. K., Mutit E. W. 2012. Aspergillus species and Aflatoxin B₁ in soil, maize grain and flour samples from semi-arid and humid regions of Kenya. *International Journal of AgriScience* Vol. 2(1): 22-34.
19. **Muthomi JW**, Kinyungu TN, Nderitu JH and Olubayo FM. 2011. Incidence of aphid-transmitted viruses in farmer-produced seed potato tubers in Kenya. *African Journal of Horticultural Science* 5:18-25.
20. Chemining'wa GN, Theuri SWM and **Muthomi JW**. 2011. Abundance of indigenous rhizobia nodulating cowpea and common bean in central Kenyan soils. *African Journal of Horticultural Science* 5: 92-97.
21. **Muthomi, J. W.**, K. K. Muimui and P. M. Kimani. 2011. Inheritance of resistance to angular leaf spot in yellow beans. *African Crop Science Journal* 19(4): 267 – 275.
22. Mumui, K. K., P. M. Kimani and **J. W. Muthomi**. 2011. Resistance and inheritance of common bacterial blight in yellow bean. *African Crop Science Journal* 19 (4): 277 – 287.
23. Wahome, S. W., P. M. Kimani, **J. W. Muthomi**, R. D. Narla and R. Buruchara. 2011. Multiple disease resistance in snap bean genotypes in Kenya. *African Crop Science Journal* 19 (4): 289 – 302
24. Birithia, R., Subramanian, S., Pappu, H. R., Sseruwagi, P., **Muthomi, J. W.** and Narla, R. D. 2011. First Report of Iris yellow spot virus Infecting Onion in Kenya and Uganda. *Plant Disease* 95 (9): 1195
25. Narla, R. D., **J. W. Muthomi**, S. M. Gachu, J. H. Nderitu and F. M. Olubayo. 2011. Effect of Intercropping Bulb Onion and Vegetables on Purple Blotch and Downy Mildew. *Journal of Biological Sciences* 11(1): 52-57.
26. **J. W. Muthomi**, T. N. Kinyungu, J. H. Nderitu and F. M. Olubayo. 2010. Spatial arrangement of maize as border crop to manage aphids and aphid-transmitted viruses in potato. *East Africa Agricultural and Forestry Journal* 76: 21-29.

27. Wagacha, J. M., Steiner, U, Dehne, H-W., Zuehlke, S., Spiteller, M., **Muthomi, J. W.**, and Oerke, E-C. 2010. Diversity in Mycotoxins and Fungal Species Infecting Wheat in Nakuru District, Kenya. *Journal of Phytopathology* 158:527–535
28. **Muthomi, J. W.**, Njenga, L. N., Gathumbi, J. K. and Chemining'wa, G. N. 2009. The occurrence of aflatoxins in maize and distribution of mycotoxin-producing fungi in eastern Kenya. *Plant Pathology Journal* 8 (3): 113-119.
29. **Muthomi, J. W.**, Nyaga, J. N., Olubayo, F. M., Nderitu, J. H., Kabira, J. N., Kiretai, S. M., Aura, J. A. and Wakahiu, M. 2009. Incidence of aphid-transmitted viruses in farmer-based seed potato production in Kenya. *Asian Journal of Plant Sciences* 8(2): 166-171.
30. Muindi, E. M., **Muthomi, J. W.**, Nderitu, J. H., Olubayo, F. M., Kabira, J. N., Chemining'wa, G. N., Kiretai, S. M. and Aura, J. A. 2009. Use of cereal border crops in management of aphid-transmitted viral diseases during seed potato production. *African Journal of Horticultural Science*, 2: 69-78.
31. Otieno, P. E., **Muthomi, J. W.**, Chemining'wa, G. N. and Nderitu, J. H. 2009. Effect of rhizobia inoculation, farm yard manure and nitrogen fertilizer on nodulation and yield of food grain legumes. *Journal of Biological Sciences* 9 (4): 326-332.
32. **Muthomi, J. W.**, Ndung'u, J. K., Gathumbi, J. K., Mutitu, E. W. and Wagacha, J. M. 2008. The occurrence of *Fusarium* species and mycotoxins in Kenyan wheat. *Crop Protection* 27(8): 1215-1219.
33. **Muthomi, J. W.**, G. M. Riungu, J. K. Ndung'u, R. D. Narla, J. K. Gathumbi and J. M. Wagacha. 2008. Head blight of wheat in Kenya and contamination of grain with mycotoxin producing *Fusarium* species. *Journal of Plant Sciences* 3 (1): 52-60.
34. **Muthomi J. W.**, P. E. Otieno, G. N. Chemining'wa, J. H. Nderitu, and J. M. Wagacha. 2008. Effect of chemical spray on insect pests and yield quality of food grain legumes. *Journal of Entomology*, 5(3): 156-163.
35. Wagacha J. M. and **J. W. Muthomi**. 2008. Mycotoxin problem in Africa: Current status, implications to food safety and health and possible management strategies. *International Journal of Food Microbiology* 124: 1-12.
36. Riungu G. M., **J. W. Muthomi**, R. D. Narla, J. M. Wagacha, and J. K. Gathumbi. 2008. Management of *Fusarium* head blight of wheat and deoxynivalenol accumulation using antagonistic microorganisms. *Plant Pathology Journal* 7 (1): 13-19.
37. Mutitu, E. W, Wagacha, J. M, **Muthomi, J. W**, and Mwaura, F. B. 2008. Control of bean rust on snap beans (*Phaseolus vulgaris* L.) using antibiotic metabolites produced by *Bacillus*

- and *Streptomyces* species. Botswana Journal of Agriculture and Applied Sciences 4 (1): 62-69.
38. Chemining'wa, G. N., **J. W. Muthomi** and S. W. M. Theuri. 2007. Effect of Rhizobia inoculation and starter-N on nodulation, shoot biomass and yield of grain legumes. Asian Journal of Plant Sciences, 6(7):1113-1118.
39. Wagacha, J. M., **Muthomi, J. W.**, Mutitu, E. W. and Mwaura, F. B. 2007. Control of Bean Rust using Antibiotics Produced by *Bacillus* and *Streptomyces* species - Translocation and Persistence in Snap Beans. Journal of Applied Sciences and Environmental Management 11 (2) 165 – 168.
40. **Muthomi, J. W.**, P. E. Otieno, G. N. Chemining'wa, J. H. Nderitu and J. M. Wagacha. 2007. Effect of legume root rot pathogens and fungicide seed treatment on nodulation and biomass accumulation. Journal of Biological Sciences 7: 1163-1170.
41. **Muthomi, J. W.**, Ndung'u, J. K., Chemining'wa, G. N. and Wagacha, J. M. 2007. Reaction of some Kenyan wheat cultivars to head blight after inoculation with *Fusarium graminearum*. Asian Journal of Plant Sciences 6 (4): 585-591.
42. Chemining'wa, G. N., **J. W. Muthomi**, J. G. Mureithi and C. K. Gachene. 2007. Response of green manure legumes to Rhizobia inoculation and starter-N fertilizer application. Botswana Journal of Agriculture and Applied Sciences 3 (2): 164-169.
43. Wagacha, J. M, and **Muthomi, J. W.** 2007. *Fusarium culmorum*: Infection process, mechanisms of mycotoxin production and their role in pathogenesis in wheat. Crop Protection 26: 877-885.
44. Oerke, E. C, Meier, A., Lienemann, G., and **Muthomi, J.** 2002. Incidence and control of *Fusarium* species causing head blight in the Rhineland, Germany. Pages 32-44 in: Wissenschaftlichen Fachtagung: *Fusarium*-befall and Mykotoxinbelastung von Getreide Schadverdichtungen in Ackerböden, 2001. Landwirtschaftliche Fakultät der Rheinischen Friedrich-Wilhelms-Universität Bonn, Germany.
45. **Muthomi, J. W.**, E.-C. Oerke, E. W. Mutitu, A. Schade-Schütze and H.-W. Dehne. 2002. Variation among *Fusarium* species and isolates infecting wheat ears based on aggressiveness, mycotoxin production and RAPD-PCR analysis. Journal of Plant Disease and Protection, 109 (5): 462 - 477.
46. **Muthomi, J. W.**, E.-C. Oerke, H.-W. Dehne and E. W. Mutitu. 2002. Susceptibility of Kenyan wheat varieties to head blight, fungal invasion and deoxynivalenol accumulation inoculated with *Fusarium graminearum*. Journal of Phytopathology 150: 30 – 36.

47. **Muthomi, J. W.**, Anja Schütze, H.-W. Dehne, E. W. Mutitu and E.-C. Oerke. 2000. Characterisation of *Fusarium culmorum* isolates by mycotoxin production and aggressiveness to winter wheat. *Journal of Plant Disease and Protection*, 107 (2): 113 - 123.
48. Mutitu, E. W. and **J. W. Muthomi**. 1994. Control of carnation *Fusarium* wilt using antibiotic culture filtrates from *Streptomyces* spp. *African Crop Science Journal*, 2 (1): 111-116.

4.2. Papers presented in conferences, seminars and workshops

1. Karanja L. W., Wachira P. M., **Muthomi J. W.**, Phiri N. A., Mutegi C. K., Nzioki H.S., Gikaru A. K., Kanampiu F. and Wagacha J. M. 2012. Use of geographical information system to determine incidence of *Aspergillus* section flavi in different soils in Kaiti, Kenya. 13th KARI Biennial Scientific Conference, KARI Headquarters, 22nd to 26th October 2012.
2. Tom F. K., **Muthomi J. W.**, Olubayo F. M. and Chemining'wa G. N. 2012. Susceptibility of locally grown maize varieties to infestation by maize weevil (*Sitophilus zeamais* Motsch.). 13th KARI Biennial Scientific Conference, KARI Headquarters, 22nd to 26th October 2012.
3. Mureithi B. K., **Muthomi J. W.**, Chemining'wa G. N. and Mutitu E. W. 2012. Identification of predisposing factors to aflatoxin contamination of maize value chain in eastern Kenya. 13th KARI Biennial Scientific Conference, KARI Headquarters, 22nd to 26th October 2012.
4. Weru R. W., **Muthomi J. W.**, Chemining'wa G. N. and Mutitu E. W. 2012. Resistance of maize varieties to infection by *Aspergillus flavus* and aflatoxin accumulation. 13th KARI Biennial Scientific Conference, KARI Headquarters, 22nd to 26th October 2012.
5. Kwach J. K., Onyango M. A., **Muthomi J. W.**, and Nderitu J. H. 2012. Baseline survey for status of Banana *Xanthomonas* Wilt in Kenya. 13th KARI Biennial Scientific Conference, KARI Headquarters, 22nd to 26th October 2012.
6. Subramanian, S., H.R. Pappu, R. Birithia, O. Shem, **J. Muthomi**, P. Sseruwagi, R.D. Narla. 2012. Diversity and distribution of Iris yellow spot virus infecting onion in Eastern Africa. 4th Conference of the International Working Group on Legume and Vegetable Viruses (IWGLVV), May 17-20, 2011 - Antequera, Málaga, Spain
7. Birithia, R. L., Subramanian, S., **Muthomi, J.**, and Narla, R. D. 2010. Distribution of the tospovirus Iris Yellow Spot Virus infecting onions in Kenya. Tenth Horticultural Association of Kenya (HAK) Workshop on Sustainable Horticultural Production in the

- Tropics: Analysis of Production Chains of Ornamentals for the Local Market and For Export. 8th - 11th December 2010, Jomo Kenyatta University of Agriculture and Technology (JKUAT).
8. **Muthomi, J. W.**, Mureithi, B. K., Chemining'wa, G. N., Gathumbi, J. K and Mutitu, E. W. 2010. *Aspergillus* and aflatoxin b₁ contamination of maize and maize products from eastern and north-rift regions of Kenya. 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya. <http://www.kari.org/biennialconference/conference12/docs/>
 9. **J. W. Muthomi**, T. N. Kinyungu, J. H. Nderitu, F. M. Olubayo and J. N. Kabira. 2010. Effect of maize border crop placement distance on aphid population and aphid-transmitted virus diseases in potato. 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya. <http://www.kari.org/biennialconference/conference12/docs/>
 10. Chege F., Day R., Rotteveel T., Sakala A., **Muthomi J.**, Otieno W., Kimani E., Ntoyai R., M'ella J.G., Jones J., Olubayo F. and Mohamed, R. 2010. A new partnership in phytosanitary capacity development for protecting agriculture and supporting trade in Africa: The Centre of Phytosanitary Excellence (COPE). 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya. <http://www.kari.org/biennialconference/conference12/docs/>
 11. **Muthomi, J. W.**, Njenga, L. N., Gathumbi, J. K. and Chemining'wa, G. N. 2008. Mycotoxin-producing fungi and aflatoxin incidence in maize from Machakos, Kenya. 11th KARI Biennial Scientific Conference, 10–14th November 2008, Nairobi, Kenya.
 12. Muindi, E. M., **Muthomi, J. W.**, Nderitu, J. H., Olubayo, F. M., Kabira, J. N., Cheminin'wa, G. N., Kiretai, S. M. and Aura, J. A. 2008. Management of potato viruses in seed potato production using border crops. 11th KARI Biennial Scientific Conference, 10–14th November 2008, Nairobi, Kenya.
 13. **Muthomi, J. W.**, Nyaga, J. N., Olubayo, F. M., Nderitu, J. H., Kabira, J. N., Kiretai, S. M., Aura, J. A. and Wakahiu, M. 2008. Incidence of aphids and aphid-transmitted viruses in farmer-based seed potato production. 13th KARI Biennial Scientific Conference, KARI Headquarters, 22nd to 26th October 2012..
 14. Wahome, S.W., P. M. Kimani, **J. W. Muthomi** and R. D. Narla. 2011. Quality and yield of snap bean lines developed for multiple disease resistance. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.

15. Muriithi, B. K., **Muthomi, J. W.**, Chemining'wa, G. N., and Mutitu, E. W. 2011. Predisposing factors to aflatoxin contamination of maize in Eastern Kenya. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
16. Chemining'wa, G. N. Wahome, P. K., and **Muthomi, J. W.** 2011. Soil fertility status and nodulation of selected legumes in farmer' fields in south-eastern Kenya. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
17. Weru, R. W., **J. W. Muthomi**, G. N. Chemining'wa and E. W. Mutitu. 2011. Tolerance of maize varieties to infection by *Aspergillus* and aflatoxin accumulation. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
18. Wagacha, J. M., U. Steiner, H.-W. Dehne, **J. W. Muthomi** and E.-C. Oerke. 2011. Variation in susceptibility of wheat parts to major *Fusarium* head blight pathogens. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
19. **Muthomi, J. W.**, S. M. Gachu, R. D. Narla, J. H. Nderitu and F. M. Olubayo. Management of thrips in bulb onions using vegetable intercrops. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
20. **Muthomi, J. W.** Muindi, E. M., Nderitu, J. H., Olubayo, F. M., Kabira, J. N. and Chemining'wa, G. N. 2011. Integrated management of aphid-transmitted viruses in potato (*Solanum tuberosum* L.). aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
21. Kitonyo, O. M., G. N. Chemining'wa, and **J. W. Muthomi**. 2011. Performance of farmer-preferred maize varieties intercropped with beans in semi-arid Kenya. aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
22. Tom, F. K., F. M. Olubayo, **J. W. Muthomi** and G. N. Chemining'wa. 2011. Susceptibility of locally grown maize varieties to maize weevil (*Sitophilus zeamais* Motsch.). aGRO 2011 Inaugural Biennial Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
23. Kimani, E., J. Kigamwa, F. Chege and **J. Muthomi**. 2011. Bridging phytosanitary capacity through the Centre of Phytosanitary Excellence (COPE). aGRO 2011 Inaugural Biennial

- Conference, Faculty of Agriculture, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya.
24. **Muthomi, J. W.**, G. M. Riungu, J. K. Ndung'u, R. D. Narla and J. K. Gathumbi. 2008. *Fusarium* head blight in Kenya and possible management strategies. 10th International *Fusarium* Workshop and the *Fusarium* Genomics Workshop, 30th August-2nd September 2008, Alghero (Sardinia), Italy.
 25. **Muthomi, J. W.**, Nderitu, J. H., Olubayo, F. M., Muindi, E. M, Kabira, J. N., Kiretai, S. M. and Aura, J. A. 2008. Management of aphid-transmitted virus diseases in seed potato production by use of border crops and insecticides. 8th Horticultural Association of Kenya (HAK) workshop, Masinde Muliro University of Science and Technology, 8th-11th December 2008, Kakamega, Kenya.
 26. **Muthomi, J. W.**, Nyaga, J. N., Olubayo, F. M., Nderitu, J. H., Kabira, J. N., Kiretai, S. M., Aura, J. A. and Wakahiu, M. 2008. Incidence of aphids and aphid-transmitted viruses in farmer-based seed potato production. 11th KARI Biennial Scientific Conference, 10–14th November 2008, Nairobi, Kenya.
 27. Muindi, E. M., **Muthomi, J. W.**, Nderitu, J. H., Olubayo, F. M., Kabira, J. N., Cheminin'wa, G. N., Kiretai, S. M. and Aura, J. A. 2008. Management of potato viruses in seed potato production using border crops. 11th KARI Biennial Scientific Conference, 10–14th November 2008, Nairobi, Kenya.
 28. **Muthomi, J. W.**, Njenga, L. N., Gathumbi, J. K. and Chemining'wa, G. N. 2008. Mycotoxin-producing fungi and aflatoxin incidence in maize from Machakos, Kenya. 11th KARI Biennial Scientific Conference, 10–14th November 2008, Nairobi, Kenya.
 29. **Muthomi, J. W.**, Otieno, P. E., Chemining'wa, G. N. and Nderitu, J. H. 2007. Effect of chemical pesticide spray on insect pests, foliar fungal diseases and yield of food grain legumes. African Crop Science Conference Proceedings 8: 981-986.
 30. **Muthomi, J. W.**, Riungu, G. M., Ndung'u, J. K. and Narla, R. D. 2007. Occurrence of wheat head blight, grain contamination and pathogenicity of *Fusarium* species isolated from wheat. African Crop Science Conference Proceedings 8: 863-867.
 31. Riungu, G. M., **Muthomi, J. W.** and Narla, R. D. 2007. Effect of antagonistic microorganisms on severity of *Fusarium* head blight of wheat and grain yield. African Crop Science Conference Proceedings 8: 827-832.
 32. Otieno, P. E., **Muthomi, J. W.**, Chemining'wa, G. N. and Nderitu, J. H. 2007. Effect of rhizobia inoculation, farmyard manure and nitrogen fertilizer on growth, nodulation and

- yield of selected food grain legumes. African Crop Science Conference Proceedings 8: 305-312.
33. **Muthomi, J. W.**, G. N. Riungu and J. M. Wagacha. 2007. Management of *Fusarium* head blight of wheat using antagonistic microorganisms. Tropentag 2007, October 9-11, Witzenhausen, Germany; Book of abstracts pp516. (Summary paper accessible at <http://www.tropentag.de/2007/abstracts/full/448.pdf>).
 34. **Muthomi, J. W.**, J. K. Ndung'u, J. and K. Gathumbi. 2006. Occurrence of wheat head blight-causing *Fusarium* species and associated trichothecene mycotoxins in Kenyan wheat. 10th KARI Biennial Scientific Conference, 13-17 November 2006, Nairobi, Kenya.
 35. **Muthomi, J. W.**, P. E. Otieno and G. N. Chemining'wa. 2006. Effect of root rot pathogens and fungicide seed treatment on nodulation in food grain legumes. 10th KARI Biennial Scientific Conference, 113-17 November 2006, Nairobi, Kenya.
 36. Ndung'u, J. K., **J. W. Muthomi** and G. N. Chemining'wa. 2006. Reaction of some Kenyan wheat cultivars to head blight after inoculation with *Fusarium graminearum*. 10th KARI Biennial Scientific Conference, 113-17 November 2006, Nairobi, Kenya.
 37. Theuri, S. W. M., G. N. Chemining'wa and **J. W. Muthomi**. 2006. The abundance of indigenous rhizobia nodulating cowpea and common bean in central Kenyan soils. 10th KARI Biennial Scientific Conference, 113-17 November 2006, Nairobi, Kenya.
 38. Chemining'wa, G. N., S. W. M Theuri and **J. W. Muthomi**. 2006. Effect of rhizobia inoculation and starter-N on the performance of grain legumes. 10th KARI Biennial Scientific Conference, 113-17 November 2006, Nairobi, Kenya.
 39. **Muthomi, J.** and H. Hindorf. 2006. Occurrence of *Fusarium* head blight-causing pathogens and mycotoxins in Kenyan wheat. 9th European *Fusarium* Seminar, 19 –22 September 2006, Wageningen, The Netherlands. Book of abstracts pp145.
 40. **Muthomi, J. W.**, H. Hindorf, J. K. Ndung'u and J. K. Gathumbi. 2006. Occurrence of *Fusarium* head blight-causing pathogens and mycotoxins in Kenyan wheat. Tropentag 2006 October 11-13, University of Bonn, Germany (Summary paper accessible at <http://www.tropentag.de/2006/abstracts/full/608.pdf>).
 41. **Muthomi, J. W.**, J. K. Ndung'u, J. K. Gathumbi and G. N. Chemining'wa. 2005. *Fusarium* and mycotoxin contamination in freshly harvested wheat grain in Kenya. African Crop Science Conference proceedings,7: 355-358.
 42. Chemining'wa, G. N., **J. W. Muthomi**, J. G. Mureithi and C. K. Gachene. 2005. Effect of rhizobia inoculation and starter-N fertilizer on nodulation and shoot biomass of leguminous

cover crops. 7th Biennial Conference of the African Crop Science Society, 5th –9th December 2005, Entebbe, Uganda.

43. **Muthomi, J. W.** and E. W. Mutitu. 2003. Occurrence of mycotoxin producing *Fusarium* species and other fungi on wheat kernels harvested in selected districts of Kenya. African Crop Science Conference proceedings,6: 335-339.
44. Wagacha, J. M., E. W. Mutitu, **J. W. Muthomi** and F. B. Mwaura. 2003. Translocation and persistence of antibiotics produced by *Bacillus* and *Streptomyces* spp. African Crop Science Conference proceedings,6: 81-84.
45. Muimui, K. K., P. M. Kimani, **J. W. Muthomi** and Chirwa, R. 2003. Breeding for resistance to angular leaf spot, common bacterial blight and rust in yellow, brown and tan bean types in southern, eastern and central Africa. 6th Biennial Conference of the African Crop Science Society, 12th – 17th October 2003, Nairobi, Kenya.
46. **Muthomi, J. W.**, Dehne, H.-W., Oerke, E.-C., Mutitu, E. W., and Hindorf, H. 2000. Characterisation of *Fusarium graminearum* and *F. Culmorum* isolates by mycotoxin production and aggressiveness to wheat. Mycotoxin Research: 16A (1): 50 - 53. Proceedings of 22nd Mycotoxin Workshop, 5-7 June 2000, Bonn, Germany.
47. Schade-Schütze, A., **Muthomi, J.**, Oerke, E.-C., and Dehne, H.-W. 2000. Yield reduction and mycotoxin contamination of wheat due to *Fusarium culmorum*. Mycotoxin Research, 16A (1): 30 - 37. Proceedings of 22nd Mycotoxin Workshop, 5-7 June 2000, Bonn, Germany.

4.3 Curriculum content documents

1. Short in-service Phytosanitary Courses Training Content for Phytosanitary Systems. Centre of Phytosanitary Excellence, Kenya Plant Health Inspectorate Service
2. John H. Nderitu and James Muthomi. 2011. Curricula for Agricultural Value Chain Development for Universities and Colleges. Developed by the Gesellschaft Fuer Internationale Zusammenarbeit (Giz), Promotion of Private Sector Development in Agriculture (PSDA) and Kenyan Universities

5. Supervision of postgraduate students

Supervised a total of 27 MSc. and 4 Ph.D students to completion.

5.1 PhD. Students (Graduated)

	Student	Degree	Thesis title	Graduation year	University
1	Birithia Rael Kayume	Crop Protection	Diversity, characterization and management of Tospoviruses in vegetable ecosystems in Kenya	2013	Nairobi
2	Susan Wanderi	Plant Breeding	Breeding for soybean rust (<i>Phakopsora pachyrhizi</i>) resistance in Kenya	2013	KwaZulu – Natal, South Africa
3	Samson J. Muriungi.	Plant Pathology	Molecular characterization of <i>Rhizoctonia solani</i> strains causing damping off disease on tomato in Kenya and management of the disease by non-chemical methods.	2009	Nairobi
4	John Maina Wagacha	Plant pathology	Development of <i>Fusarium</i> species differing in mycotoxin production and conidia formation on wheat plants	2008	Bonn, Germany

5.2 PhD. Students (On-going)

	Student	Degree	Thesis title	Status	University
1	Johnson Kiseru Kwach	Crop protection	. Occurrence, mechanism of spread of banana <i>Xanthomonas</i> wilt (<i>Xanthomonas campestris</i> pv. <i>musacearum</i>) and integrated management through cultural control and host resistance in Kenya	Writing	Nairobi
2	Julius Pyton Sserumaga	Plant Breeding & Biotechnology	Genetics and Molecular Analysis of <i>Aspergillus</i> ear rot (Aflatoxin) resistance in tropical maize	Research	Nairobi
3	Teresa N. Kinyungu	Crop Protection	Effect of arthropod vectors and inoculation of singly or multiple viruses on maize lethal necrosis disease in maize (<i>Zea mays L.</i>) in Kenya	Initiation of Research	Nairobi

5.3 Masters students (Completed)

	Student	Degree	Thesis title	Year	University
1	Mary Wamata Wambugu	Plant Breeding	Evaluation of maize hybrids for resistance to <i>Diplodia</i> ear rot (<i>Stenocarpella maydis</i>)	2013	Nairobi
2	Lucy Wangari Karanja	Microbiology	Seasonal changes in aflatoxin prevalence and occurrence of <i>Aspergillus</i> section <i>flavi</i> in maize from Makueni, Kenya	2013	Nairobi
3	Maureen Nandwa Kuboka	Crop Protection	Effect of temperature on the efficacy of <i>Metarhizium anisopliae</i> in management of western flower thrips in French beans	2013	Nairobi
4	Samson Kihara Njoroge	Crop Protection	Occurrence of <i>Fusarium</i> species and fumonisins in maize from Makueni and Makindu districts, Kenya	2013	Nairobi
5	Bernard Otieno Ouma	Crop Protection	Thrips management practices in French bean production and efficacy of integrated pesticide application regimes in Embu East	2013	Nairobi
6	Ida Karambu Mugambi	Agricultural Resource Management	The effect of lablab residues on bean root rot disease and performance of a maize-bean intercrop	2013	Nairobi
7	Rose Wamaita Weru	Crop protection	Tolerance of maize varieties to infection by <i>Aspergillus flavus</i> and its management by use of antagonistic micro-organisms	2012	Nairobi
8	Joseph Bigirimana	Plant Breeding	Characterization of resistance to coffee leaf rust and coffee berry disease among Rwandese and associated coffee germplasm	2012	Nairobi
9	Samuel Wanjohi Wahome	Plant Breeding	Selection for multiple disease resistance and marketable pod characteristics in snap bean genotypes	2012	Nairobi
10	Florence Kalunde Tom	Crop Protection	Diversity of storage insect pests in maize and susceptibility of maize varieties to maize weevil (<i>Sitophilus zeamais</i>)	2011	Nairobi
11	Onesmus Musembi Kitonyo	Agronomy	Performance of farmer-preferred maize varieties intercropped with beans in the semi-arid regions of Kenya	2010	Nairobi
12	Martin K. Njogu	Horticulture	Efficacy of phosphoric acid and stinging nettle extract in the management of late blight of potato	2010	Nairobi

13	Mureithi, Benson Kamau	Crop Protection	Effect of production practices, storage materials and moisture content on fungal and aflatoxin contamination of maize and maize products	2010	Nairobi
14	Peter Lorroki	Plant Breeding	Genetic analysis of resistance to maize streak virus (MSV) among mid-altitude maize inbred lines	2009	Nairobi
15	Kinyungu, Teresa Nyambura	Crop protection	Incidence of potato (<i>solanum tuberosum l.</i>) Viruses and effect of maize border crop placement on aphids and virus diseases	2009	Nairobi
16	Musyimi, Scholastica Leah	Agricultural Resource Management	Management of <i>Fusarium</i> head blight of wheat through host resistance and microbial agents	2009	Nairobi
17	Lusweti, Francisca	Agricultural Resource Management	Effects of phosphate fertilizers and seed priming on root rot and bean fly damage on beans and lablab in Nandi South district	2009	Nairobi
18	Gachu, Sarah Muthoni	Crop Protection	Management of onion (<i>Allium cepa l.</i>) foliar diseases (<i>Peronospora destructor</i> and <i>Alternaria porri</i>) and thrips (<i>Thrips tabaci</i>) by use of vegetable intercrops.	2009	Nairobi
19	Patrick Kinguru Wahome	Agricultural Resource Management	Importance of food grain legumes among the smallholder farmers in Machakos district	2008	Nairobi
20	Nyaga, John Ndwiga	Crop Protection	Management of aphids and aphid-transmitted viruses in seed potato production among small scale farmers in Kiambu and Nyandarua districts	2008	Nairobi
21	Muindi, Esther Mwende	Agronomy	Management of potato aphids and aphid-transmitted virus diseases by integrating border crops, insecticides and mineral oil	2008	Nairobi
22	Njenga, Lucy W	Agricultural Resource Management	Fungal contamination and aflatoxin levels in maize in greater Machakos district and evaluation of possible management strategies	2008	Nairobi
23	Ng'eno. K. Jonah	Agronomy	The abundance and efficiency of garden pea nodulating rhizobia in Central Kenyan soils	2008	Nairobi
24	Jane Kahithe Ndung'u	Crop Protection	Fungal and mycotoxin contamination of wheat from Nakuru and Nyandarua districts of Kenya and pathogenicity of <i>Fusarium</i> species on wheat	2007	Nairobi

25	Patrick Evans Otieno	Agricultural Resource Management	Effect of chemical pesticides and nitrogen source on the performance of food grain legumes	2007	Nairobi
26	Riungu, Ginson Mwirigi	Crop Protection	Biological control of <i>Fusarium</i> head blight of wheat	2007	Nairobi
27	Shadrack Wang'ombe Mubea Theuri	Agricultural Resource Management	Effect of rhizobia inoculation and starter-nitrogen on nodulation, biomass and yield of grain legumes	2007	Nairobi
28	Kennedy Katazo Muimui	Plant Breeding	Inheritance and selection for resistance to angular leaf pot (<i>Phaeoisariopsis griseola</i> (Sacc) and common bacterial blight (<i>Xanthomonas axonopodis</i> pv <i>phaseoli</i>) in yellow beans	2006	Nairobi
29	John Maina Wagacha	Plant Pathology	Biological control of bean rust (<i>Uromyces appendiculatus</i> Unger.) on snap bean (<i>Phaseolus vulgaris</i> L.) using antibiotics produced by <i>Bacillus</i> and <i>Streptomyces</i> species.	2003	Nairobi

5.4 Masters students (On-going thesis Research)

	Student	Degree	Thesis title	Status	University
1	Jared Nyakundi Onduso	MSc Crop Protection	Occurrence of bacterial wilt of tomato and its management by use of resistant rootstocks	Writing	Nairobi
2	Thomas Muthii Kariuki	MSc Crop Protection	Quality and health status of farm saved bean seed (<i>Phaseolus vulgaris</i> L.) and management of seed-borne diseases	Writing	Nairobi
3	Ann Wanja Njoroge	MSc Crop Protection	Management of root knot nematodes and <i>Fusarium</i> wilt of tomato by pre-treatment of seedlings with biological and chemical agents	Writing	Nairobi
4	Esther Kihoro	MSc Crop Protection	Management of spider mites and whiteflies in tomatoes by use of mulches	Writing	Nairobi
5	Daphne Gatwiri Muchai	MSc Agricultural Resource Management	Improving the TC banana supply chain: A case of South Imenti, Meru County	Writing	Nairobi
6	Timothy Ogwang	MSc Crop Protection	Effects of watering regimes and shading levels on grey	Starting research	Nairobi

			blight (<i>Pestalotia theae</i>) on clonal teas in tea nursery		
7	Oliver Otieno	MSc Crop Protection	Occurrence of <i>Fusarium</i> head blight associated mycotoxins in Nakuru County and resistance of germplasm	Research Ongoing	Nairobi
8	Nancy Njeru	MSc Microbiology	Occurrence of <i>Fusarium</i> head blight of wheat and associated mycotoxins in Narok county	Research Ongoing	Nairobi
9	Geoffrey Ongoya	MSc Crop Protection	Evaluation of the efficacy of potassium salts of fatty acids in management of whiteflies in French beans	Research Ongoing	Nairobi
10	Murithi Mutuma	MSc Crop Protection	Management of aflatoxin and fumonisin mycotoxins in maize by use of near infra-red and ultra violet light grain sorting	Research Ongoing	Nairobi
11	Anne Kadaari Kivisi	MSc Crop Protection	Efficacy of seed dressing in the management of bean root rot complex – A case study of Nandi South	Research Ongoing	Nairobi
12	Wilfred Ayugi Osao	MSc Microbiology	Population of <i>Aspergillus</i> species and aflatoxin in pre- and post-harvest peanuts in Baringo, Keiyo and Meru Counties, Kenya	Research Ongoing	Nairobi
13	Pacifica Bosibori Ochichi	MSc Microbiology	Effect of cropping systems on the occurrence of legume diseases in western Kenya	Research Ongoing	Nairobi
14	Wilfred Juma	MSc Crop Protection	Occurrence of <i>Fusarium</i> seedling blight of wheat and efficacy of celest top 312.5 FS [®] in its management in major wheat-growing regions of Kenya	Starting research	Nairobi
15	Stephen Muruga Kiretai	MSc Crop Protection	Management of capsicum virus disease insect vectors by integration of reflective mulches with biological and chemical products	Proposal development	Nairobi

6. Work Experience and Professional Responsibilities

6.1 Teaching Responsibilities

Course	Level	When Taught
ACP601: Plant Pathology 1-Mycology and Bacteriology	MSc. Crop Protection	2006 to date
ACP611: Phytosanitary legislation, regulations and standards	MSc. Crop Protection	2009 to date
ART514: Crop Protection	MSc. Agricultural Resource Management	2002 - 2008
ACP603: Crop disease epidemiology and management	MSc. Crop Protection	2002 - 2008
APP1: Principles of Plant Pathology	MSc. Plant Pathology	2002
ACP101/AEX108 (ACR102): Microbiology	BSc. Agriculture, BSc. Agricultural Extension & Education and BSc. Range Management, BSc Horticulture	2002 to Date
ACP302: Plant disease epidemiology and seed health	BSc. Agriculture – Crop Protection	2006 to Date
ACP404: Breeding for resistance to diseases and pests	BSc Agriculture – Crop Protection Option	1997 – 1997 & 2007
ACP201: Principles of Crop Protection	BSc. Range Management	2006
AEB302: Crop protection and Animal Health	BSc. Agribusiness Management	2005 - 2006
ACR203: Principles of plant pathology	BSc. Agriculture	2001 - 2005
AEX211: Crop Protection 1	BSc. Agricultural Education and Extension	2005
ACR303: Principles of plant disease control	BSc. Agriculture	1995 - 1997
ACP405: Plant mycology and bacteriology	BSc. Agriculture – Crop Protection	1995 - 1997
ACP411: Special Projects (Supervision of over 20 students)	BSc. Agriculture – Crop Protection	1995 to Date
ACP010: Introduction to Microbiology	Diploma in Crop Protection	2009 to Date
ACP017: Application of biotechnology in crop protection	Diploma in Crop Protection	2003 - 2009
ACP011: Bacteriology	Diploma in Crop Protection	2003 - 2004
ACP622: Special Projects (supervision of over 10 students)	Diploma in Crop Protection	2003 to Date

6.2 Participation and leadership in Faculty and Departmental Committees

Committee	Responsibility	Time
Faculty of Agriculture Postgraduate Committee (FPSC)	Chairman	Since March 2013
Crop Protection Section, Department of Plant Science & Crop Protection	Section Head	2011 to Date
Plant Pathology Unit, Department of Plant Science & Crop Protection	Unit Head	2007 - 2011
Faculty of Agriculture Time Tabling committee	Chairman and Faculty Representative to University	2011 - 2013

	Time Tabling Committee	
Faculty of Agriculture Shows and Exhibitions Committee	Departmental representative & Member of Faculty Committee	2003 - 2010
Field Station Advisory Committee, Faculty of Agriculture	Departmental representative and member of Vegetable Task Force	2003 -2008
Faculty of Agriculture Time Tabling committee	Departmental representative & Member of Faculty Committee	2003 - 2011
Faculty of Agriculture Farm Practice Committee	Departmental representative & Member of Faculty Committee	2003 - 2006
Faculty of Agriculture Tree Planting committee	Departmental representative & Member of Faculty Committee	2003 - 2006
Master of Science in Agricultural Resource Management Committee	Faculty Coordinator & Member of Faculty Committee	2003 to Date
Departmental Module programmes committee	Coordinator, MSc Crop Protection; Development and implementation of the ODL programme	2011 to Date
Departmental Module programmes committee	Assistant coordinator, MSc. Crop Protection and Diploma in Crop Protection	2002 - 2011
Departmental fourth Year students projects	Coordinator, BSc Agriculture, Crop Protection option	2008 - 2011
Department of Plant Science and Crop Protection Planning Committee	Member	2007 to Date

6.3 Development and Review of Academic Curricula

	Curriculum	Role Played	Time
1	MSc in Seed Technology and Business management	Team Leader/ Coordinator	2011 - 2012
2	Postgraduate Diploma in Phytosanitary Measures	Team Leader/ Coordinator	2008 - 2010
3	Postgraduate Diploma in Seed Technology and Business management	Team Leader/ Coordinator	2011 - 2012
4	Diploma in Seed Technology and Business management	Team Leader/ Coordinator	2011 - 2012
5	Diploma in Phytosanitary Measures	Team Leader/ Coordinator	2008 - 2010
6	Certificate in Seed Technology and Business management	Team Leader/ Coordinator	
7	Short in-service phytosanitary systems training courses for the Centre of Phytosanitary Excellence (COPE) – an initiative between University of Nairobi and Kenya Plant Health Inspectorate Service (KEPHIS)	Coordinator for the University of Nairobi	2008 - 2010
8	Review of existing curricula i. MSc in Agricultural Resource Management, ii. MSc. in Crop in Protection, iii. MSc in Plant Pathology	Coordination/ development of specific course units	2008 - 2010

iv. BSc. in Agriculture		
v. Diploma in Crop Protection		

6.4 External Examination of Postgraduate theses

	University	Student	Thesis title	Degree	Year
1	University of Eldoret	Wilkister Gesare Mogita	Occurrence and management of anthracnose pathogen (<i>Colletotrichum lindemuthianum</i>) in farm-saved bean seed in western Kenya	PhD	2013
2	University of Eldoret	Mwaura Hellen Muringi	Determination of antimicrobial properties and phytochemical composition of <i>Solanum nigrum</i> Complex (black night shade)	MSc	2013
3	KwaZulu-Natal, South Africa	J. M. M. Chintu	Breeding groundnut for resistance to rosette disease and its aphid vector, <i>Aphis craccivora</i> Koch in Malawi	PhD	2013
4	Chepkoilel University College	Abigael Adhiambo Owino	Evaluation of barley genotypes for net blotch and determination of pathogen diversity	MSc	2013
5	Chepkoilel University College	Janet Cheruiyot Kosgey	Ethnobotanical study and antimicrobial activity of medicinal plants found in Endo and Checherebes villages of Elgeyo-Markwet County, Kenya	MSc	2013
6	Chepkoilel University College	Jared K. Mutai	Effect of grafting on bacterial wilt disease, Yield and quality of tomato (<i>Lycopersicon esculentum</i> Mill.) in Bureti District, Kenya	MSc	2012
7	Jomo Kenyatta University of Agriculture & Technology	Samuel Mathu Ndung'u	Genetic diversity of indigenous rhizobial strains and commercial inoculants and their potential to improve yields and nitrogen fixation in four legume species	MSc	2012
8	Egerton University	Jannet Nelima Nyukuri	Determination of Antifungal Activities of Essential Oils on Moulds Isolated from Selected areas of Western Kenya	MSc	2012
9	Kenyatta University	Njau Njeri.	Effectiveness of Macropropagation Technique in Production of healthy Banana Seedlings in Eastern and Central Regions of Kenya.	MSc	2012
10	Jomo Kenyatta University of Agriculture & Technology	Grace Wacheke Mungai	Evaluation of in vitro protocols for the elimination of banana streak virus in tissue culture produced banana plantlets	MSc	2012
11	Jomo Kenyatta University of Agriculture & Technology.	William Onsembe Nyakundi	Diversity and pesticide biodegradation potential of white rot fungi isolated from soil of selected horticultural farms in the great Rift	MSc	2012

			Valley and Central Kenya		
12	Chepkoilel University College	Were J. Omondi	. Reactions of Advanced Sorghum Genotypes to Local Colletotrichum species and their Diversity	MSc	2011
13	Chepkoilel University College	Nicholas Kipkemboi Rop	Thesis,. Incidence of black rot of Brassica species caused by <i>Xanthomonas campestris pv. campestris</i> in Kenya, pathogen variability and host resistance	Ph.D	2011
14	Egerton University	Phoebe K. Mwaniki	Thesis. Characterization of <i>Fusarium</i> spp. Isolated from eggplant (<i>Solanum</i> spp.) In arumeru district, tanzania and identification of sources of wilt resistance.	MSc	2011
15	Jommo Kenyatta University of Agriculture & Technology	Philip Mwenda Miriti	Isolation and Characterization of Soil Bacteria Capable of Degrading Selected Organic Pesticides Applied in Horticultural Farms in Kenya	MSc	2011
16	Egerton University	Salim G. Ismail	Physiological races of Wheat Stem Rust in Uasin Gishu Region and their control using Tebuconazole 250g/L + Triadimenol 135g/L (Silvacur 375 g/L).	MSc	2011
17	Jommo Kenyatta University of Agriculture & Technology	Felix Bii	Characterization of <i>Fusarium</i> species on maize (<i>Zea mays</i>) and determination of their mycotoxins in Eastern Province of Kenya	Msc	2009
18	Kenyatta University	Joseph Juma Mafurah	Incidence of <i>Fusarium</i> species and Levels of Fumonisin B ₁ in Sorghum and Finger Millet in Western Kenya	M.Sc	2009
19	Egerton University	Joseph Kinyoro Macharia	Yield losses of bread wheat (<i>Triticum aestivum</i> L.) cultivars resulting from a new race of stem rust Ug99 (TTKS) (<i>Puccinia graminis</i> Pers. f.sp. <i>tritici</i> Erics. & Henn.) in Kenya	Msc	2009
20	Egerton University	Daniel O. Pande	Studies on Virus Resistance in Transgenic Sweet Potato (<i>Ipomoea batatas</i> (L) Lam) Expressing the Coat Protein Gene of Sweet Potato Feathery Mottle Virus	MSc	2006

6.5 External Examiner – University Examinations

	University	Type of examination	Time
1	Department of Natural Science, Mount Kenya University	Agriculture (undergraduate and postgraduate)	2012 to Date
2	Department of Biological Sciences, Masinde Muliro University of Science and Technology	Microbiology and plant pathology (undergraduate and postgraduate)	2011 to Date

3	Department of Biological Sciences, Chepkoilel Campus, Moi University	Microbiology and plant pathology (undergraduate and postgraduate)	2009 - 2012
---	---	---	-------------

6.6. Review of scientific manuscripts

	Journal/ conference	Scientific Manuscripts reviewed
1	Crop Protection, Elsevier	Fungal species isolated from peanuts in major Kenyan markets: Emphasis on <i>Aspergillus</i> section <i>Flavi</i>
2	Letters in Applied Microbiology	Characterization and antagonistic properties of <i>Streptomyces</i> strains isolated from Saharan soils, and evaluation of their ability to control seedling blight of barley caused by <i>Fusarium culmorum</i>
3	American Journal of Experimental Agriculture	Effects of Macro Fertilizers on yield and yield Components of Flue-cured Tobacco Coker 347
4	African Journal of Agricultural Research	Integrated Management of Okra Powdery Mildew caused by <i>Erysiphe cichoracearum</i>
5	JOURNAL OF ENTOMOLOGY AND NEMATOLOGY	Diversity of aphids in the Central Rift Valley of Ethiopia and their potential as a vector for <i>Ethiopian Pepper Mottle Virus</i> (EPMV)
6	African Journal of Horticultural Science	Various manuscripts
7	Horticultural Association of Kenya (HAK) annual conferences	Reviewed various manuscripts and abstracts since 2007
8	9th African Potato Association Conference	Reviewed various abstracts for the 2013 annual conference
9	13th KARI Biennial Scientific Conference	Kenya Agricultural Research Institute
10	aGRO 2011 Biennial Conference, Faculty of Agriculture, University of Nairobi	Reviewed various abstracts for the 2011 biennial conference

6.7 Other Professional Assignments

	Institution	Assignment	Responsibility	Dates
1	Mount Kenya University	Training course in Professionalism and Ethics in Research	Lead facilitator and resource person	29th April to 3 rd May 2013
2	Kenya Plant Health Inspectorate Service (KEPHIS)	Development of curriculum for short in-service phytosanitary systems training courses for the Centre of Phytosanitary Excellence	Lead facilitator and resource person	28 th November to 19 th December 2011
3	Promotion of Private Sector Development in Agriculture Programme (PSDA) and Deutsche	Development of model curricula for agricultural value chain for universities and colleges	Curriculum development consultant/ Facilitator	April to July 2011

	Gesellschaft fuer Internationale Zusammenarbeit (GIZ).			
	Mount Kenya University	Scientific Writing Training Course for University Lecturers and Researchers	Lead facilitator and resource person	26 th to 30 th April 2011

7. Conferences and professional meetings attended

1. The 2012 Borlaug Dialogue World Food Prize International symposium, 16th -19th October 2012, Des Moines, Iowa, USA.
2. 4th Annual Regional Conference for the East & Horn of Africa Community of Practice (E/HAfCoP). April 30 - May 4, 2012 in Kampala, Uganda.
3. aGRO 2011- Inaugural Biennial Conference: Optimization of Agricultural Value Chains for Sustainable Development. Faculty of Agriculture, College of Agriculture and Veterinary Sciences, University of Nairobi, 26th – 28th September 2011, Nairobi, Kenya
4. Write-shop for the project on sustainable management of banana bacterial wilt in banana cropping systems in East and Central Africa. 28th February-4th March 2011, Bujumbura, Burundi.
5. The Tenth Horticultural Association of Kenya (HAK) Workshop on Sustainable Horticultural Production in the Tropics: Analysis of Production Chains of Ornamentals for the Local Market and For Export. 8th - 11th December 2010, Jomo Kenyatta University of Agriculture and Technology (JKUAT).
6. 12th KARI Biennial Scientific Conference, 8-12th November 2010, KARI Headquarters, Nairobi, Kenya.
7. The Ninth Horticultural Association of Kenya (HAK) Workshop on Sustainable Horticultural Production in the Tropics: Value Chains of Vegetables for Local Market, Export and Processing. 2-5th December 2009. World Vegetable Centre, Regional Center for Africa (RCA) Arusha Tanzania.
8. Centre of Phytosanitary Excellence (COPE) curriculum development workshop. 6th-10th July 2009. Merica Hotel, Nakuru, Kenya.
9. Centre of Phytosanitary Excellence (COPE) curriculum development workshop. 18th – 20th February, 2008, Kenya Plant Health Inspectorate Service Headquarters, Karen, Nairobi, Kenya.
10. 8th Horticultural Association of Kenya Workshop on Sustainable Horticultural Production in the Tropics, 8th-11th December 2008, Masinde Muliro University of Science and Technology, Kakamega, Kenya.

11. 11th KARI Biennial Scientific Conference, 10th-14th November 2008, KARI Headquarters, Nairobi, Kenya.
12. 10th International *Fusarium* and *Fusarium* Genomics Workshop. Alghero, Sardinia (Italy), August 30 – September 2, 2008.
13. Seventh Horticultural Association of Kenya (HAK) Workshop on sustainable horticultural production in the tropics held at the Faculty of Agriculture, University of Nairobi, from 28th November to 1st December 2007
14. Training Workshop on growing of vegetables and cut flower using alternatives to methyl bromide. 20th November 2007, KARI headquarters, Nairobi, Kenya.
15. RUFORUM Biennial Conference on Building Scientific and Technical Capacity through Graduate Training and Agricultural Research. 23rd to 27th April 2007, Mangochi, Malawi
16. Kenya Agricultural Productivity Project (KAPP) Competitive Grant system (CGS) full proposal writing training workshop. 9th – 19th January 2007. Jumuia NCKK Centre, Nakuru.
17. 10th KARI Biennial Scientific Conference, 13-17 November 2006, KARI Headquarters, Nairobi, Kenya.
18. Association for Strengthening Agricultural Research (ASARECA) Competitive Grant system (CGS) full proposal writing training workshop. 28 August – 2nd September 2006. Hilton Hotel, Nairobi.
19. 7th Biennial Conference of the African Crop Science Society, 5 – 9 December 2005. Imperial Resort Beach Hotel, Entebbe, Uganda.
20. Strengthening graduate training and agricultural research in African Universities – a special session of FARA General Assembly. 6th – 12th June 2005. Imperial Resort Beach Hotel, Entebbe, Uganda.
21. 6th Biennial Conference of the African Crop Science Society, 12th – 17th October 2003, Hilton Hotel, Nairobi, Kenya.
22. Mycotoxin workshop. 5th -7th June 2000. University of Bonn, Germany.
23. German Crop Protection meeting. April 2000. Weihenstephan, Germany
24. German Crop Protection workshop. November 1998. Halle, Germany
25. Identification of microfungi of importance in crops. 4th – 15th November 1991, Department of Crop Science, University of Nairobi

8. Research Projects

Written various research proposals and secured funding for over 5 research projects in the last eight years as the principal investigator (PI). Most of the projects have been successfully implemented to completion and helped train over 15 MSc students and acquire equipment for the University.

8.1 Funded research projects

1. Legume pest and disease survey project in western Kenya “Supporting investments in up scaling of grain legumes in western Kenya through assessing and modeling the threat of biotic stressors”. Funded by the McKnight Foundation. Collaborating institutions are International Center for Tropical Agriculture (CIAT), KARI, University of Nairobi, ARDAP (NGO), Masinde Muliro University of Science and Technology. September 2012 to February 2014; Funding USD 180,000 ALL INSTITUTIONS.
2. Continuing training of Mr. Kwach Johnson whose training was initiated under the staple crops project on “Sustainable Management of Banana *Xanthomonas* Wilt (BXW) in Banana Cropping Systems in the ECA”. Donor ASARECA. Funding USD20,000/- October 2012 to October 2013.
3. Integrated management of Banana *Xanthomonas* Wilt (*Xanthomonas campestris* pv. *musacearum*) in Kenya through cultural and host resistance. Funded by the National Council for Science and Technology (NCST) for PhD training of Mr. Johnson K. Kwach. Funding Ksh. 1,200,000/-. October 2011 to September 2014. Collaborative research project on “Multipurpose legumes and management strategies for reinvigorating and maintaining the health and productivity of smallholder mixed farming systems”. Funded by the McKnight Foundation. Collaborating institutions are KARI-Kakamega, University of Nairobi, Egerton University, Cornell University, Avene (a community-based organization in western Kenya), Rural Energy Food Supply Organization (REFSO), Appropriate Rural Development Agricultural Programme (ARDAP). January 2011 to December 2014; Grant amount USD 432,000 for all institutions
4. Collaborative research project on “Sustainable management of Banana *Xanthomonas* Wilt in Banana Cropping Systems in East and Central Africa” funded by ASARECA. Collaborating institutions are NARO (Uganda), IITA (Uganda), Bioversity international, KARI (Kenya) and Catholic University of Graben, (DR Congo) and University of Nairobi. Grant amount USD33,800 for the University of Nairobi. April 2009 to May 2011.

5. Centre of Phytosanitary Excellence – Eastern Africa (COPE): A project for development of phytosanitary curriculum. A collaborative project with KEPHIS, CAB International, and International Plant Protection Convention (IPPC). Funded by CAB International. April 2008 to May 2010; Grant amount USD43,750 for all institutions.
6. Effect of border crop distance and seed potato degeneration on potato production. Funded by Deans Committee, University of Nairobi. July 2008 to June 2009; Grant amount Ksh.250,000/-.
7. Development of cultural strategies for management of *Thrips tabaci*, *Alternaria porri* and *Peronospora destructor* on onions in Kenya. Funded by Deans Committee, University of Nairobi. August 2008 to July 2009; Ksh.250,000/-.
8. Using improved pulse crop productivity to reinvigorate smallholder mixed farming systems in Western Kenya. Funded by the Dry Grain Pulses CRSP, Michigan State University, USA. A collaborative project involving University of Cornell, Kenya Agricultural Research Institute (KARI), Egerton University, Moi University, CIAT and University of Nairobi. April 2008 to September 2010; Grant amount USD 177,782 for the Kenyan institutions.
9. Characterization and development of an integrated management of *Fusarium* head blight of wheat in Kenya. Funded by the International Foundation for Science (IFS). June 2008 to November 2009; Grant amount USD 11,100/-.
10. Mitigating Mycotoxin Hazards in Maize and Maize Products in Kenya. Funded by the Kenya Agricultural Productivity Programme (KAPP). A collaborative project involving Kenya Agricultural Research Institute (KARI), Ministry of Agriculture, Ministry of Health and Kenya Maize Development Programme and University of Nairobi. Start July 2008 to June 2010; Grant amount Ksh.7,877,600/-.
11. Development of an integrated management of potato aphids and aphid transmitted viruses for seed production in Kenya. Funded by the Commission for Higher Education, Kenya. November 2006 to June 2008; Grant amount Ksh.2,600,000/-.
12. Performance of traditional food legumes in the maize-based cropping systems. Funded by Deans Committee, University of Nairobi. May 2005 to August 2007; Grant amount Ksh.150,000/- .
13. The occurrence of head blight of wheat in Kenya and the associated fungi. Funded by the International Foundation for Science (IFS). August 2004 to April 2007; Grant amount USD9,400.

14. Improvement of grain legume production in dry lands using low input technologies. Funded by the African Institute for Capacity Development (AICAD).2004 to 2005; Grant amount **Ksh.417,000/-**).

8.2 Equipment acquired under the funded research projects

The following equipment have acquired under the research projects and contributed to maintenance of research in plant pathology laboratory

1. 1 laminar flow hood cabinet
2. 1 Dissecting microscope
3. 3 Compound research microscopes
4. 2 Weighing balances.
5. 4 Micropipettes.
6. 2 Refrigerators.
7. 2 Desktop computers
8. 1 laptop computer.

9. Courses and trainings attended

1. Sanitary and phytosanitary systems and agricultural education training. 15th August to 6th December 2012 at the University of Missouri-Columbia, USA. Course funded and organized by the Foreign Agricultural Service of the United States Department of Agriculture.
2. Professionalism and Ethics in agricultural sciences. 20th August to 6th December 2012, University of Missouri-Columbia, USA.
3. Sanitary-phytosanitary and pest risk analysis training. 26th November to 1st December 2012 at the Centre for Regulatory Research LLC, USA.
4. Mycotoxins in foods. 7th September to 4th December 2012 at the University of Missouri-Columbia, USA.
5. Curriculum development. 28th September to 2nd December 2012 at the Centre for Collaboration and Development of Educational Innovations, University of Missouri-Columbia, USA
6. Training of Trainers' Workshop on Seed Enterprise Management. 24th April – 8th May 2010, The Seed Science Center, Iowa State University, USA.
7. Training course on the application of Phytosanitary measures. Centre Of Phytosanitary Excellence (COPE) and the International Plant Protection Convention. 14th-25th September 2009, Merica Hotel, Nakuru, Kenya

8. Training in Pedagogy – University of Nairobi. 4th to 6th February 2008.
9. The advanced course on the quality and safety of horticultural crops. 1 – 22 September 2006, Nanjing Agricultural University, China.
10. Proposal writing for international research projects, Part Two. Sponsored by the German Academic Exchange Service (DAAD). 26 – 30th June 2006. Silver Springs Hotel, Nairobi.
11. Proposal writing for international research projects - Part One. Sponsored by the German Academic Exchange Service (DAAD). 12th – 17th December 2005. Silver Springs Hotel, Nairobi.
12. Biosafety Training Course for Kenya’s regulatory institutions. 29th November – 3rd December 2004. KEPHIS Headquarters, Karen, Nairobi
13. Rotational Advanced Studies Program – Phytomedicine and Plant Protection in International Agriculture. 20th – 26th September 1998. University of Bonn, Germany.
14. October 1997 to June 1998- High Performance Liquid Chromatographic (HPLC) mycotoxin analysis of *Fusarium* mycotoxins in grains. Institute for Plant Diseases, University of Bonn, Germany.
15. March 1998 to August 1998: Molecular characterization of *Fusarium* species by PCR-based techniques. Institute for Plant Diseases, University of Bonn, Germany.
16. October 1997 to March 1998: Identification of *Fusarium* species and mycotoxin analytical methods. Institute for Plant Diseases, University of Bonn, Germany.
17. 9th June to 25th September 1997 - Basic German language course at Goethe Institute, Bremen, Germany

10. Awards

1. **2012:** of the United States Department of Agriculture Foreign Agricultural Service (USDA- FAS) Faculty Exchange Programme fellowship at the University of Missouri-Columbia, USA (15th August to 6th December 2012).
2. **2006:** Best scientific paper presentation in Crop Protection. Title of paper: “Occurrence of wheat head blight-causing *Fusarium* species and associated trichothecene mycotoxins in Kenyan wheat” presented at the 10th KARI Biennial Scientific Conference, 13-17 November 2006, Nairobi, Kenya.
3. **1997:** German Academic Exchange (DAAD) scholarship to undertake PhD. studies at the University of Bonn, Germany and University of Nairobi, Kenya.
4. **1990:** University of Nairobi Scholarship to undertake Masters studies (MSc. Plant Pathology) at the Department of Crop Science, University of Nairobi.

5. **1987:** Government of Kenya Scholarship to undertake undergraduate studies (BSc. Agriculture) at the University of Nairobi.

11. Membership to Professional Associations

1. Full member of the [University of Nairobi Alumni Association \(UONAA\)](#)
2. Member and Secretary to executive committee, Horticultural Association of Kenya (HAK) – 2008 to present.
3. Member, African Crop Science Society
4. Member, Kenya DAAD scholars Association

12. Service to the Community

1. **2009 to Date:** Chairman and member of Board of Governors (BOG), Rungiri Secondary School, Kiambu County.
2. Starting October 2013: Congregation Chairman of PCEA Gaitumbi Church, Presbyterian Church of East Africa (PCEA) Rungiri Parish.
3. **December 2007 – December 2011:** Secretary and member of Executive Committee, Horticultural Association of Kenya (HAK)
4. **November 2003 to Date:** Church Elder, Presbyterian Church of East Africa (PCEA) Rungiri Parish.
5. **January 2009 to December 2012:** Chairman of Finance Committee, Presbyterian Church of East Africa (PCEA) Rungiri Parish.
6. **December 2006 and December 2007:** Farmer training on management aphids and aphid-transmitted potato viruses in Njabini and Limuru under the Commission for Higher Education funded project entitled: “Development of an integrated management of potato aphids and aphid transmitted viruses for seed production in Kenya”.
7. **January 2011 to December 2012:** Treasurer, Presbyterian Church of East Africa (PCEA) Rungiri Presbytery.
8. **January 2009 to December 2011:** Chairman of Finance Committee, Presbyterian Church of East Africa (PCEA) Rungiri Presbytery.
9. **January 2005 to December 2007:** Treasurer, Presbyterian Church of East Africa (PCEA) Rungiri Parish.
10. **January 2000 to November 2003:** Deacon and Treasurer, Presbyterian Church of East Africa (PCEA), Gaitumbi Church, Rungiri Parish.

13. Referees

1. Prof. Solomon I. Shibairo, Former Dean, Faculty of Agriculture, University of Nairobi
2. Prof. F. M. Olubayo, Department of Plant Science and Crop Protection, Faculty of Agriculture, University of Nairobi
3. Prof. Eunice W. Mutitu, Director Board of Postgraduate Studies, University of Nairobi, Kenya

.....
i

ⁱ Dr. James W. Muthomi (BSc. Agric., MSc., Ph.D)

Dated: November 2013



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s)

Renaud IOOS

Address

20 rue Saint Nicolas, 54280 Champenoux (France)

Telephone(s)

+33(0)3 83 29 00 80

Mobile

+33(0)6 82 69 56 14

Fax(es)

+33(0) 3 83 29 00 22

E-mail(s)

renaud.ioos@anses.fr

Nationality

French

Date of birth

18 Jan 74

Gender

Male

Desired employment / Occupational field

Researcher / Mycologist

Work experience

Dates

1 Oct 96 → current

Occupation or position held

Head of mycology unit / researcher / Mycologist

Main activities and
responsibilities

Head of the Mycology Unit of the French Plant Health laboratory (LSV)
Development and validation of molecular-based detection methods of plant pathogenic fungi and oomycetes, including quarantine fungi. Expertise in mycology

Name and address of
employer

Anses (Food/environment/occupational safety Agency), Laboratoire de la santé des végétaux (Plant Health Laboratory)
Domaine de Pixérécourt, 54220 Malzéville (France)

Type of business or sector

Plant Health, mycology

Education and training

Dates

1 Sep 03 - 30 Sep 06

Title of qualification awarded

Ph. D.

Principal subjects /
occupational skills covered

Mycology, Plant Pathology, Genetics

Name and type of
organisation providing
education and training

UHP Nancy I (University)
Boulevard des aiguillettes, 54500 Vandoeuvre les Nancy (France)

Level in national or
international classification

ISCED 6

Dates

1 Oct 93 - 30 Sep 96

Title of qualification awarded

Ingénieur des techniques agricoles (National Graduate Engineering School)

Principal subjects /
occupational skills covered

Agriculture / plant pathology

Name and type of
organisation providing
education and training

Ecole Nationale d'Ingénieurs des Techniques Agricoles de Bordeaux (ENITAB) (National Graduate Engineering School)
33000 Gradignan (France)

Level in international classification

ISCED 5

Personal skills and competences

Mother tongue(s)

French

Other language(s)

Self-assessment
European level (*)

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user

English

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

- Team spirit (Research programs shared with several teams); - Good ability to adapt to multicultural environments, gained through my work experience abroad during training sessions; - Good communication skills gained through my experience as speaker in international congress.

Organisational skills and competences

Implementation of mycology lab, and a molecular biology lab and implementation of a quality assurance system for it.

Technical skills and competences

Senior trainer or senior consultant in mycology and molecular biology in past official twinning programs between France and foreign countries. Implementation of a quality assurance system for the molecular-based analyses carried out in my laboratory. I am a critical reviewer for numerous international scientific journals

Additional information

- Piou D & Iloos R (2013) First report of *Dothistroma pini*, a recent agent of the *Dothistroma* needle blight (DNB), on *Pinus radiata* in France. *Plant Disease*, in press.
- Husson C, Iloos R, Andrieux A & Frey P (2013) Development and use of new sensitive molecular tools for diagnosis and detection of *Melampsora* rusts on cultivated poplar. *Forest Pathology* 43, 1-11.
- Boutigny A-L, Ward T, Ballois N, Iancu G & Iloos R (2013) Diversity of the *Fusarium* graminearum species complex on French cereals. *European Journal of Plant Pathology*, 1-16.
- Boutigny A-L, Guinet C, Vialle A, Hamelin RC, Andrieux A, Frey P, Husson C & Iloos R (2013) Optimization of a real-time PCR assay for the detection of the quarantine pathogen *Melampsora medusae* f. sp. *deltoidae*. *Fungal Biology* 117, 389-398.
- Boutigny A-L, Guinet C, Vialle A, Hamelin R, Frey P & Iloos R (2013) A sensitive real-time PCR assay for the detection of the two *Melampsora medusae* formae speciales on infected poplar leaves. *European Journal of Plant Pathology* 136, 433-441.
- Saurat C., Fourrier C., Wilson W., Casset C. and Iloos R. (2012) First report of *Begonia elatior* wilt disease caused by *Fusarium foetens* in France. *Plant disease* 97(1):144-144
- Saurat C., Fourrier C. and Iloos R. (2012) First report of blight disease on *Buxus* caused by *Cylindrocladium buxicola* in France. *Plant disease*. 96(7):1069-1069.
- Hubert J., Fourrier C., Payen C., Fournie JC, and Iloos R. (2012) First report of Powdery Mildew caused by *Podosphaera pannosa* on *Prunus cerasus* in France. *Plant disease*. 96(9):1375-1375.
- Iloos R., Fourrier C., Wilson V., Webb K., Schereffer J.-L., and Tourvieille de Labrouhe D. (2012). An optimised duplex real-time PCR tool for sensitive detection of the quarantine oomycete *Plasmopara halstedii* in sunflower seeds. *Phytopathology*. 102(9):908-917.
- Husson C., Iloos R., Andrieux A., and Frey P. (2012) Development and use of new sensitive molecular tools for diagnosis and detection of *Melampsora* rusts on cultivated poplar. *Forest Pathology*, doi:10.1111/efp.12007.
- Fabre B, Iloos R, Piou D, Marçais B (2011) Is the Emergence of *Dothistroma* Needle Blight of Pine in France Caused by the Cryptic Species *Dothistroma pini*? *Phytopathology* 2012, 102(1):47-54.
- Iloos R., Hubert J., Abadie C., Duféal C., Opdebeek G., and Iotti J. (2011) First report Report of Black Sigatoka disease on banana caused by *Mycosphaerella fijiensis* on Martinique Island. *Plant Disease* 95: 359-359.
- Husson C., Scala B., Cael O., Frey P., Feau N., Iloos R. and Marçais B. (2011) *Chalara fraxinea* is an invasive pathogen in France. *European Journal of Plant Pathology*, 130(3):311-324
- Iloos R., Fabre B., Saurat C., Fourrier C., Frey P., and Marçais B. (2010) Development, comparison, and validation of real-time and conventional PCR tools for the detection of the fungal pathogens causing brown spot and red band needle blights of pines. *Phytopathology* 100, 105-114.
- Iloos R., Kowalski T., Husson C., and Holdenrieder O. (2009) Rapid *in planta* detection of *Chalara fraxinea* by a real-time PCR assay using a dual labelled probe. *European Journal of Plant Pathology* 125, 329-335.
- Iloos R., Fourrier C., Iancu G., and Gordon T. (2009) Sensitive detection of *Fusarium circinatum* in *Pinus* seeds by combining an enrichment procedure with a Real-Time PCR using dual-labeled probe chemistry. *Phytopathology* 99, 582-590.
- Iloos R. and Frey P. (2008) New hypotheses on the origin of the interspecific hybrid Oomycete *Phytophthora alni*. *Journal of Plant*

- **loos R.**, Panabières F., Industri B., Andrieux A., Frey P. (2007) Distribution and expression of elicitor genes in the interspecific hybrid oomycete *Phytophthora alni*. **Applied and Environmental Microbiology** 73, 5587-5597
- **loos R.**, Laugustin L., Rose S., Tourvieille J., Tourvieille de Labrouhe D. (2007) Development of a PCR test to detect the downy mildew causal agent *Plasmopara halstedii* in sunflower seeds. **Plant Pathology** 56: 209-218.
- **loos R.**, Barrès B., Andrieux A., Frey P. (2007) Characterization of microsatellite markers in the interspecific hybrid *Phytophthora alni* subsp. *alni*, and cross-amplification with related taxa. **Molecular Ecology Notes** 7: 133-137.
- **loos R.**, Laugustin L., Rose S., Schenck N., Husson C., Frey P. (2006) Usefulness of single copy genes containing introns in *Phytophthora* for the development of detection tools for the regulated species *P. ramorum* and *P. fragariae*. **European Journal of Plant Pathology** 116: 171-176.
- **loos R.**, Andrieux A., Marçais B. and Frey P. (2006) Genetic characterization of the hybrid *Phytophthora alni* as inferred from nuclear and mitochondrial DNA analyses. **Fungal Genetics and Biology** 43: 511-529.
- Le Bail M., Verger P., Doré T., Fourbet J.-F., Champeil A., **loos R.**, and Leblanc J.-C. (2005) Simulation of consumer exposure to deoxynivalenol according to wheat crop management and grain segregation: case studies and methodological considerations. **Regulatory Toxicology and Pharmacology** 42: 253-259.
- **loos R.**, Husson C., Andrieux A. and Frey P. (2005) SCAR-based PCR primers to detect the hybrid pathogen *Phytophthora alni* and its subspecies causing alder disease in Europe. **European Journal of Plant Pathology** 112: 323-335.
- **loos R.**, Belhadj A., Menez M. and Faure A. (2005) The effects of fungicides on *Fusarium* spp. and *Microdochium nivale* and their associated trichothecene mycotoxins in French naturally-infected cereal grains. **Crop Protection** 24: 894-902.
- **loos R.**, Belhadj A. and Menez M. (2004) Occurrence and distribution of *Microdochium nivale* and *Fusarium* species isolated from barley, durum and soft wheat grains in France from 2000 to 2002. **Mycopathologia** 158: 351 – 362.
- **loos R.** and Frey P. (2000) Genomic variation within *Monilinia laxa*, *M. fructigena* and *M. fructicola*, and application to species identification by PCR. **European Journal of Plant Pathology** 106: 373-378.
- Marie-Jeanne V., **loos R.**, Peyre J. Alliot B. and Signoret P. (2000) Differentiation of *Poaceae* potyviruses by reverse-transcription-polymerase-chain-reaction and restriction analysis. **Journal of Phytopathology**. 148, 141-151.

Book chapter :

- Irlinger F., Berthet N., Vallaeys T., Vasseur V., loos R., Buée M., and Mounier J. (2008) Ch XI, Nucleic acids preparation of fungal samples isolated from clinical, food and environmental specimens for direct molecular applications. In : Dongyou Liou ed. Handbook of nucleic acid purification. CRC Press. ISBN 978-1-4200-7096-568 pp.
- loos R., Husson C., Marçais B., Frey P. (2006) Development of PCR tests to detect the hybrid *Phytophthora* causing alder disease in Europe in natural samples. In: Brasier C, Jung T, Osswald W, eds. Progress in Research on *Phytophthora* diseases of forest trees. Farnham, Surrey, UK: Forest Research, 163-5. ISBN 0 85538 721 1