

CABI staff publications in 2015

Scientific publications

- Aguirre-Hudson, B., Cannon, P.F. and **Minter, D.W.** (2015) *Leptorhaphis atomaria*. *IMI Descriptions of Fungi and Bacteria* 2054, unpaginated.
- Aguirre-Hudson, B., Cannon, P.F. and **Minter, D.W.** (2015) *Tomasellia gelatinosa*. *IMI Descriptions of Fungi and Bacteria* 2060, unpaginated.
- Aguirre-Hudson, B., Cannon, P.F. and **Minter, D.W.** (2015) *Leptorhaphis epidermidis*. *IMI Descriptions of Fungi and Bacteria* 2055, unpaginated.
- Aguirre-Hudson, B., Cannon, P.F. and **Minter, D.W.** (2015) *Leptorhaphis laricis*. *IMI Descriptions of Fungi and Bacteria* 2056, unpaginated.
- Aguirre-Hudson, B., Cannon, P.F. and **Minter, D.W.** (2015) *Mycomicrothelia confusa*. *IMI Descriptions of Fungi and Bacteria* 2057, unpaginated.
- Ahmad, S.**, Pozzebon, A. and Duso, C. (2015) Predation on heterospecific larvae by adult females of *Kampimodromus aberrans*, *Amblyseius andersoni*, *Typhlodromus pyri* and *Phytoseius finitimus* (Acari: Phytoseiidae). *Experimental and Applied Acarology* 67(1), 1–20. doi:10.1007/s10493-015-9940-1
- Akiri, M.**, Boateng, D. and **Agwanda, C.** (2015) Mainstreaming gender and youth in smallholder sustainable coffee supply chain in Kenya. *Journal of Economics and Sustainable Development* 6(18), 76–86.
- Alok, C.**, Tukahirwa, B., Oruka, D., Okotel, M., Bukonya, C. and **Mulema, J.** [2015] Reaching out to farmers with plant health clinics in Uganda. *Uganda Journal of Agricultural Sciences* 15(1) (2014), 15–26.
- Araujo, J.P.M., **Evans, H.C.**, Geiser, D.M., Mackay, W.P. and Hughes, D.P. (2015) Unravelling the diversity behind the *Ophiocordyceps unilateralis* (Ophiocordycipitaceae) complex: three new species of zombie-ant fungi from the Brazilian Amazon. *Phytotaxa* 220, 224–238.
- Atanasova, B., Jakovljević, M., Spasov, D., Jović, J., Mitrović, M., **Toševski, I.** and Cvrković, T. (2015) The molecular epidemiology of bois noir grapevine yellows caused by ‘*Candidatus* Phytoplasma solani’ in the Republic of Macedonia. *European Journal of Plant Pathology* 142(4), 759–770. doi:10.1007/s10658-015-0649-0
- Augustinus, B.A., Guarino, M.F., Colombo, F., Citerio, S., **Schaffner, U.**, Müller-Schärer, H. and Gentili, R. (2015) Diffusione di *Ambrosia artemisiifolia* L. e *Ophraella communa* LeSage in Valtellina (Alpi Centrali, Lombardia). *Natura Bresciana* 39, 45–48.
- Babendreier, D.**, Jeanneret, P., Pilz, C. and **Toepfer, S.** (2015) Non-target effects of insecticides, entomopathogenic fungi and nematodes applied against western corn rootworm larvae in maize. *Journal of Applied Entomology* 139(6), 457–467. doi:10.1111/jen.12229
- Baker, P.** (2015) Counting the potential cost of China’s coffee strategy. *Coffee & Cocoa International* 42(2), 27–30.
- Baker, P.S.** (2015) Case Study 6: The 2012 Latin American coffee rust outbreak: “black swan” or “new normal”? In: *Risk and Finance in the Coffee Sector. A Compendium of Case Studies Related to Improving Risk Management and Access to Finance in the Coffee Sector*. Agriculture Global Practice Discussion Paper 02. World Bank Group Report Number 93923-GLB. The World Bank Group, Washington, DC, pp. 38–43, 109. www-wds.worldbank.org/external/default/WDSContentServer/WDSP/IB/2015/02/25/090224b082b4e293/1_0/Rendered/PDF/Risk0and0finan0in0the0coffee0sector.pdf

- Batra, P.**, Khulbe, A. and Srivastava, R.P. (2015) Antifeedant and growth inhibitory effects of medicinal plant extracts against tobacco caterpillar, *Spodoptera litura* Fab. *International Journal of Basic and Applied Biology* 2(6), 452–456.
- Boa, E., **Danielsen, S.** and Haesen, S. (2015) Better together: identifying the benefits of a closer integration between plant health, agriculture and one health. In: Zinsstag, J., Schilling, E., Waltner-Toews, D., Whittaker, M. and Tanner, M. (eds) *One Health: the Theory and Practice of Integrated Health Approaches*. CABI, Wallingford, UK, pp. 258–271.
- Boundy-Mills, K., Hess, M., Bennett, A.R., **Ryan, M.**, Kang, S., Nobles, D., Eisen, J.A., Inderbitzin, P., Sitepu, I.R., Torok, T., Brown, D.R., Cho, J., Wertz, J.E., Mukherjee, S., Cady, S.L. and McCluskey, K. (2015) The United States Culture Collection Network (USCCN): enhancing microbial genomics research through living microbe culture collections. *Applied and Environmental Microbiology* 81, 5671–5674.
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- Cannon, P.F. and **Minter, D.W.** (2015) *Glutinoglossum glutinosum*. *IMI Descriptions of Fungi and Bacteria* 2036, unpaginated.
- Cannon, P.F. and **Minter, D.W.** (2015) *Sabuloglossum arenarium*. *IMI Descriptions of Fungi and Bacteria* 2037, unpaginated.
- Cannon, P.F. and **Minter, D.W.** (2015) *Trichoglossum hirsutum*. *IMI Descriptions of Fungi and Bacteria* 2038, unpaginated.
- Cannon, P.F. and **Minter, D.W.** (2015) *Trichoglossum rasum*. *IMI Descriptions of Fungi and Bacteria* 2039, unpaginated.
- Cannon, P.F. and **Minter, D.W.** (2015) *Trichoglossum walteri*. *IMI Descriptions of Fungi and Bacteria* 2040, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Brachydesmiella eugecapiellana*. *IMI Descriptions of Fungi and Bacteria* 2023, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Brachydesmiella obclavata*. *IMI Descriptions of Fungi and Bacteria* 2024, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Briansuttonia alternarioides*. *IMI Descriptions of Fungi and Bacteria* 2025, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Corynespora aquatica*. *IMI Descriptions of Fungi and Bacteria* 2026, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Corynespora occidentalis*. *IMI Descriptions of Fungi and Bacteria* 2027, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Corynespora salasiae*. *IMI Descriptions of Fungi and Bacteria* 2028, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Corynesporopsis iberica*. *IMI Descriptions of Fungi and Bacteria* 2029, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Diplococcium verruculosum*. *IMI Descriptions of Fungi and Bacteria* 2041, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Exserohilum antillanum*. *IMI Descriptions of Fungi and Bacteria* 2042, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Helensiella rigidophora*. *IMI Descriptions of Fungi and Bacteria* 2030, unpaginated.

- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Hughesinia heterospora*. *IMI Descriptions of Fungi and Bacteria* 2043, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Luxuriomyces grandis*. *IMI Descriptions of Fungi and Bacteria* 2044, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Paraulocladium angulosporum*. *IMI Descriptions of Fungi and Bacteria* 2045, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Polyschema amoenum*. *IMI Descriptions of Fungi and Bacteria* 2046, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Polyschema venustum*. *IMI Descriptions of Fungi and Bacteria* 2047, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Solicorynespora kendrickii*. *IMI Descriptions of Fungi and Bacteria* 2048, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Solicorynespora sylvatica*. *IMI Descriptions of Fungi and Bacteria* 2049, unpaginated.
- Castañeda Ruíz, R.F. and **Minter, D.W.** (2015) *Solicorynespora zapatensis*. *IMI Descriptions of Fungi and Bacteria* 2050, unpaginated.
- Charlton, A.J., Dickinson, M., Wakefield, M.E., Fitches, E., **Kenis, M.**, Han, R., Zhu, F., Kone, N., Grant, M., Devic, E., Bruggeman, G., Prior, R. and Smith, R. (2015) Exploring the chemical safety of fly larvae as a source of protein for animal feed. *Journal of Insects as Food and Feed* 1(1), 7–16.
- Cock, M.J.W.** (2015) A critical review of the literature on the pest *Erionota* spp. (Lepidoptera, Hesperiidae): taxonomy, distribution, food plants, early stages, natural enemies and biological control. *CAB Reviews* 10(007), 1–30.
- Cock, M.J.W.** (2015) Observations on the biology of skipper butterflies in Trinidad, Trinidad and Tobago: *Phocides*, *Chioides*, *Typhedanus*, and *Polythrix* (Hesperiidae, Eudaminae). *Living World, Journal of the Trinidad and Tobago Field Naturalists' Club* 2014, 1–11.
- Cock, M.J.W.**, Biesmeijer, J.C., Cannon, R.J.C., Gerard, P.J., Gillespie, D., Jiménez, J.J., Lavelle, P.M. and Raina, S.K. (edited by Pilling, D.) (2013) Invertebrate genetic resources for food and agriculture and climate change. In: *Coping with Climate Change – the Roles of Genetic Resources for Food and Agriculture*. FAO, Rome, pp. 69–85.
- Cock, M.J.W.**, Congdon, T.C.E. and Collins, S.C. (2015) Observations on the biology of Afrotropical Hesperiidae (Lepidoptera). Part 8. Hesperinae *incertae sedis*: *Dracaena* feeders. *Zootaxa* 3985(3), 301–348.
- Cock, M.J.W.**, **Day, R.K.**, **Hinz, H.L.**, **Pollard, K.M.**, **Thomas, S.E.**, **Williams, F.E.**, **Witt, A.B.R.** and **Shaw, R.H.** (2015) The impacts of some classical biological control successes. *CAB Reviews* 10(42), 58 pp.
- Colmenarez, Y.C.** and **Corniani, N.** (2015) Controle fitossanitário em agroecossistemas tropicais: desafios e potencial. In: Baldin, E.L.L., Kronka, A.Z. and Fujihara, R.T. (organizers) *Proteção Vegetal*. Fundação de Estudos e Pesquisas Agrícolas e Florestais, Botucatu, Brazil, pp. 28–44.
- Crozier, J.**, Arroyo, C., Morales, H., Melnick, R.L., Strem, M.D., Vinyard, B.T., Collins, R., **Holmes, K.A.** and Bailey, B.A. (2015) The influence of formulation on *Trichoderma* biological activity and frosty pod rot management in *Theobroma cacao*. *Plant Pathology* 64(6), 1385–1395. doi:10.1111/ppa.12383
- Dashora, K.** (2015) Management of crop wild relatives for food security. *International Journal of Scientific Research* 4(9), 595–597.

- Dashora, K.** and **Singh, N.R.** (2015) Need of creating awareness for promoting DSR cropping system in the light of climate change. *Journal of Agroecology and Natural Resource Management* 2(1), 10–11.
- Egonyu, J.P., Baguma, J., Ogari, I., Ahumuza, G., Kyamanywa, S., Kucel, P., Kagezi, G.H., Erbaugh, M., **Phiri, N.**, **Ritchie, B.J.** and Wagoire, W.W. (2015) The formicid ant, *Plagiolepis* sp., as a predator of the coffee twig borer, *Xylosandrus compactus*. *Biological Control* 91, 42–46.
- Ellison, C.A.**, Sawadogo, A., Braman, S. and Nacro, S. (2015) First report of *Colletotrichum truncatum* causing stem cankers on *Jatropha curcas* in Burkina Faso. *Plant Disease* 99(1), 14–20.
- Eschen, R.**, Britton, K., Brockerhoff, E., Burgess, T., Dalley, V., Epanchin-Niell, R.S., Gupta, K., Hardy, G., Huang, Y., **Kenis, M.**, Kimani, E., **Li, H.-M.**, Olsen, S., Ormrod, R., **Otieno, W.**, Sadof, C., Tadeu, E. and Theyse, M. (2015) International variation in phytosanitary legislation and regulations governing importation of live plants. *Environmental Science and Policy* 51, 228–237.
- Eschen, R.**, Grégoire, J.-C., Hengeveld, G.M., de Hoop, B.M., Rigaux, L. and Potting, R.P.J. (2015) Trade patterns of the tree nursery industry in Europe and changes therein following findings of citrus longhorn beetle, *Anoplophora chinensis* Forster. *Neobiota* 26, 1–20.
- Eschen, R.**, Rigaux, L., Sukovata, L., Vettraino, A.M., Marzano, M. and Grégoire, J.-C. (2015) Phytosanitary inspection of woody plants for planting at European Union entry points: a practical enquiry. *Biological Invasions* 17(8), 2403–2413. doi:10.1007/s10530-015-0883-6
- Eschen, R.**, Roques, A. and Santini, A. (2015) Taxonomic dissimilarity in patterns of interception and establishment of alien arthropods, nematodes and pathogens affecting woody plants in Europe. *Diversity and Distributions* 21(1), 36–45. doi:10.1111/ddi.12267
- Essl, F., Bacher, S., Blackburn, T.M., Booy, O., Brundu, G., Brunel, S., Cardoso A.-C., **Eschen, R.**, Gallardo, B., Galil, B., García-Berthou, E., Genovesi, P., Groom, Q., Harrower, C., Hulme, P.E., Katsanevakis, S., **Kenis, M.**, Kühn, I., Kumschick, S., Martinou, A.F., Nentwig, W., O’Flynn, C., Pagad, S., Pergl, J., Pyšek, P., Rabitsch, W., Richardson, D.M., Roques, A., Roy, H.E., Scalera, R., Schindler, S., Seebens, H., Vanderhoeven, S., Vilà, M., Wilson, J.R.U., Zenetos, A. and Jeschke, J.M. (2015) Crossing frontiers in tackling pathways of biological invasions. *BioScience* 65(8), 769–782. doi:10.1093/biosci/biv082
- Essl, F., Biró, K., Brandes, D., Broennimann, O., Bullock, J.M., Chapman, D.S., Chauvel, B., Dullinger, S., Fumanal, B., Guisan, A., Karrer, G., Kazinczi, G., Kueffer, C., Laitung, B., Lavoie, C., Leitner, M., Mang, T., Moser, D., Müller-Schärer, H., Petitpierre, B., Richter, R., **Schaffner, U.**, Smith, M., Starfinger, U., Vautard, R., Vogl, G., von der Lippe, M. and Follak, S. (2015) Biological flora of the British Isles: *Ambrosia artemisiifolia*. *Journal of Ecology* 103, 1069–1098.
- Faheem, M.**, Sajjad A. and **Shafique R.M.** (2015) Balanced use of fertilizers can reduce aphid infestation and improve yield in wheat crop. *Asian Journal of Agriculture and Biology* 3(1), 50–55.
- Fischer, M. et al. (45 authors including **Schaffner, U.**) (2015) *Zustand der Biodiversität in der Schweiz 2014*. Forum Biodiversität, Switzerland, 92 pp.
- Fischersworing, B., Schmidt, G., Linne, K., Pringle, P., **Baker, P.S.** and nine co-authors (2015) *Climate Change Adaptation in Coffee Production: a step-by-step guide to supporting coffee farmers in adapting to climate change*. Version January 2015. Initiative for Coffee & Climate (www.coffeeandclimate.org), 183 pp.
- Gariepy, T.D., Bruin, A., **Haye, T.**, Milonas, P. and Véték, G. (2015) Occurrence and genetic diversity of new populations of *Halyomorpha halys* in Europe. *Journal of Pest Science* 88, 451–460. doi:10.1007/s10340-015-0672-0

- Hartley, S.E., **Eschen, R.**, Horwood, J.M., Gange, A.C. and Hill, E.M. (2015) Infection by a foliar endophyte elicits novel arabidopsid-based plant defence reactions in its host, *Cirsium arvense*. *New Phytologist* 205(2), 816–827. doi:10.1111/nph.13067
- Haye, T.**, Fischer, S., **Zhang, J.** and Garipey, T. (2015) Can native egg parasitoids adopt the invasive brown marmorated stink bug, *Halyomorpha halys* (Heteroptera: Pentatomidae), in Europe? *Journal of Pest Science* 88(4), 693–705. doi:10.1007/s10340-015-0671-1
- Haye, T.**, Garipey, T., Hoelmer, K., Rossi, J.-P., Streito, J.-C., Tassus, X. and Desneux, N. (2015) Range expansion of the invasive brown marmorated stinkbug, *Halyomorpha halys*: an increasing threat to field, fruit and vegetable crops worldwide. *Journal of Pest Science* 88(4), 665–673.
- Haye, T.**, Mason, P.G., Gillespie, D.R., Gibson, G.A.P., Diaconu, A., Brauner, A.M., Miall, J.H. and **Kuhlmann, U.** (2015) Determining the host specificity of the biological control agent *Trichomalus perfectus* (Hymenoptera: Pteromalidae): the importance of ecological host range. *Biocontrol Science and Technology* 25(1), 21–47. doi:10.1080/09583157.2014.945900
- Hinz, H.L.** and Diaconu, A. (2015) Biology and field host range of *Ceutorhynchus cardariae*, a potential biological control agent for *Lepidium draba*. *Journal of Applied Entomology* 139(3), 168–178. doi:10.1111/jen.12152
- Holmes, K.A.**, Chen, J., Bollhalder, F., Ri, U.S., Waweru, B., **Li, H.** and **Toepfer, S.** (2015) Designing factories for nematode-based biological control products for an alternative, environmentally friendly management of soil insect pests. *African Journal of Agricultural Research* 10(49), 4432–4448. doi:10.5897/ajar2015.10405
- Hunt, D.J.** (2015) Remarks on the type species of *Rhigonema* Cobb, 1898 (Rhigonematoidea: Rhigonematidae) and *Heth* Cobb, 1898 (Ransomnematoidae: Hethidae). *Nematology* 17(3), 363–375.
- Iacovone, A., **Girod, P.**, Ris, N., Weydert, C., Gibert, P., Poirié, M. and Gatti, J.-L. (2015) Worldwide invasion by *Drosophila suzukii*: does being the “cousin” of a model organism really help setting up biological control? Hopes, disenchantments and new perspectives. *Revue d'Ecologie* 70(Supplément 12), 207–214. <http://hdl.handle.net/2042/57898>
- Jakovljević, M., Jović, J., Mitrović, M., Krstić, O., Kosovac, A., **Toševski, I.** and Cvrković, T. (2015) *Euscelis incisus* (Cicadellidae, Deltocephalinae), a natural vector of 16SrIII-B phytoplasma causing multiple inflorescence disease of *Cirsium arvense*. *Annals of Applied Biology* 167(3), 406–419. doi:10.1111/aab.12236
- Jarošík, V., **Kenis, M.**, Honěk, A., Skuhrovec, J. and Pyšek, P. (2015) Invasive insects differ from non-invasive in their thermal requirements. *PLoS ONE* 10(6), e0131072. doi:10.1371/journal.pone.0131072
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- Liu, Y.J.**, **Zhang, T.T.**, **Bai, S.X.**, **He, K.L.** and **Wang, Z.Y.** (2015) Effects of host plants on the fitness of *Athetis lepigone* (Möschler). *Journal of Applied Entomology* 139(6), 478–485.
- Luke, B.**, Faull, J. and **Bateman, R.** (2015) Using particle size analysis to determine the hydrophobicity and suspension of fungal conidia with particular relevance to formulation of biopesticide. *Biocontrol Science and Technology* 25(4), 383–398. doi:10.1080/09583157.2014.979396
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