

**Articles publiés par des agents du Cirad  
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**Ah-You N., Gagnevin L., Grimont P.A.D., Brisse S., Nesme X., Chiroleu F., Bui Thi Ngoc L., Jouen E., Lefevre P., Vernière C., Pruvost O.** 2009. Polyphasic characterization of xanthomonads pathogenic to member of the *Anacardiaceae* and their relatedness to species of *Xanthomonas*. *International journal of systematic and evolutionary microbiology*, **59** (2): 306-318.  
[20090211]. <http://dx.doi.org/10.1099/ij.s.0.65453-0>

**Ammar E.D., Gargani D., Lett J.M., Peterschmitt M.** 2009. Large accumulations of maize streak virus in the filter chamber and midgut cells of the leafhopper vector *Cicadulina mbila*. *Archives of Virology*, **154** (2): 255-262.  
<http://dx.doi.org/10.1007/s00705-008-0308-2>

**Baghdadi N., Boyer N., Todoroff P., El Hajj M., Bégué A.** 2009. Potential of SAR sensors TerraSAR-X, ASAR/ENVISAT and PALSAR/ALOS for monitoring sugarcane crops on Reunion Island. *Remote sensing of environment*, **113** (8): 1724-1738.  
[20090603]. <http://dx.doi.org/10.1016/j.rse.2009.04.005>

**Bagny L., Delatte H., Elissa N., Quilici S., Fontenille D.** 2009. Aedes (Diptera : Culicidae) Vectors of arboviruses in Mayotte (Indian Ocean) : distribution area and larval habitats. *Journal of medical entomology*, **46** (2): 198-207.

**Besse P., Da Silva D., Bory S., Noirot M., Grisoni M.** 2009. Variation in intron length in caffeoic acid O-methyltransferase (COMT) in *Vanilla* species (Orchidaceae). *Plant Science*, **176** (4): 425-460.  
<http://dx.doi.org/10.1016/j.plantsci.2008.12.014>

**Brévault T., Achaleke J., Vaissayre M., Nibouche S.** 2009. Initial activity and perspective of insecticides for the control of bollworms (Lepidoptera : Noctuidae) in cotton crops. *Crop Protection*, **28** : 401-406.  
[20090323]. <http://dx.doi.org/10.1016/j.cropro.2008.12.006>

**Brévault T., Couston L., Bertrand A., Thèze M., Nibouche S., Vaissayre M.** 2009. Sequential pegboard to support small farmers in cotton pest control decision-making in Cameroon. *Crop protection*, **28** (11): 968-973.  
[20090922]. <http://dx.doi.org/10.1016/j.cropro.2009.07.004>

**Brévault T., Quilici S.** 2009. Oviposition preference in the oligophagous tomato fruit fly, *Neoceratitis cyanescens*. *Entomologia experimentalis et applicata*, **133** (2): 165-173.  
[20091028]. <http://dx.doi.org/10.1111/j.1570-7458.2009.00913.x>

**Bui Thi Ngoc L., Vernière C., Boyer C., Vital K., Pruvost O., Le Mai N., Le Thi Thu H.** 2009. Pathotype identification of *Xanthomonas citri* pv. *citri* strains causing citrus canker in Vietnam. *Plant disease*, **93** (6): 671.  
[20090528]. <http://dx.doi.org/10.1094/PDIS-93-6-0671A>

**Bui Thi Ngoc L., Vernière C., Jarne P., Brisse S., Guérin F., Boutry S., Gagnevin L., Pruvost O.** 2009. From local surveys to global surveillance: Three high-throughput genotyping methods for epidemiological monitoring of *Xanthomonas citri* pv. *citri* pathotypes. *Applied and environmental microbiology*, **75** (4): 1173-1184.  
[20090219]. <http://dx.doi.org/10.1128/AEM.02245-08>

**Bui Thi Ngoc L., Vernière C., Vital K., Guérin F., Gagnevin L., Brisse S., Ah-You N., Pruvost O.** 2009. Development of 14 minisatellite markers for the citrus canker bacterium, *Xanthomonas citri* pv. *citri*. *Molecular ecology resources*, **9** (1): 125-127.  
[20090216]. <http://dx.doi.org/10.1111/j.1755-0998.2008.02242.x>

**Cabidoche Y.M., Achard R., Cattan P., Clermont Dauphin C., Massat F., Sansoulet J.** 2009. Long-term pollution by chlordcone of tropical volcanic soils in the French West Indies: a simple leaching model accounts for current residue. *Environmental pollution*, **157** : 1697-1705.  
[20090403]. <http://dx.doi.org/10.1016/j.envpol.2008.12.015>

**Costard S., Porphyre V., Messad S., Rakotondrahanta S., Vidon H., Roger F., Pfeiffer D.U.** 2009. Multivariate analysis of management and biosecurity practices in smallholder pig farms in Madagascar. *Preventive veterinary medicine*, **92** (3, Sp) ( Spec.): 199-209.  
[20091020]. <http://dx.doi.org/10.1016/j.prevetmed.2009.08.010>

**Decruyenaere V., Lecomte P., Demarquilly C., Aufrère J., Dardenne P., Stilmant D., Buldgen A.** 2009. Evaluation of green forage intake and digestibility in ruminants using near infrared reflectance spectroscopy (NIRS): Developing a global calibration. *Animal feed science and technology*, **148** (1): 138-156.  
[20090414]. <http://dx.doi.org/10.1016/j.anifeedsci.2008.03.007>

**Delatte H., Duyck P.F., Triboire A., David P., Becker N., Bonato O., Reynaud B.** 2009. Differential invasion success among biotypes: case of *Bemisia tabaci*. *Biological invasions*, **11** (4): 1059-1070.  
[20080821]. <http://dx.doi.org/10.1007/s10530-008-9328-9>

**Delatte H., Hue T.** 2009. Dispersal and survival of male and female *Aedes albopictus* (Diptera : Culicidae) on Reunion island. *Journal of medical entomology*, **46** (5): 1118-1124.

**Delatte H., Hue T., Dehecq J.S.** 2009. Adaptation of the BG-sequential trap to capture male and female *Aedes albopictus* mosquitoes. *Medical and veterinary entomology*, **23** (2): 160-162.  
<http://dx.doi.org/10.1111/j.1365-2915.2009.00806.x>

**Derso E., Vernière C., Pruvost O.** 2009. First report of *Xanthomonas citri* pv. *citri*-A causing citrus canker on lime in Ethiopia : [Abstract]. *Plant disease*, **93** (2): 203.  
[20090306]. <http://dx.doi.org/10.1094/PDIS-93-2-0203B>

**El Hajj M., Bégué A., Guillaume S., Martiné J.F.** 2009. Integrating SPOT-5 time series, crop growth modeling and expert knowledge for monitoring agricultural practices. The case of sugarcane harvest on Reunion Island. *Remote sensing of environment*, **113** (10): 2052-2061.  
[20090914]. <http://dx.doi.org/10.1016/j.rse.2009.04.009>

**Guerrin F.** 2009. Dynamic simulation of action at operations level. *Autonomous agents and multi-agents systems*, **18** (1): 156-185.  
[20090126]. <http://dx.doi.org/10.1007/s10458-008-9060-y>

**Joas J., Caro Y., Lechaudel M.** 2009. Comparison of postharvest changes in mango (cv Cogshall) using a Ripening class index (Rci) for different carbon supplies and harvest dates. *Postharvest biology and technology*, **54** (1): 25-31.  
[20090909]. <http://dx.doi.org/10.1016/j.postharvbio.2009.04.008>

**Joët T., Laffargue A., Salmona J., Doulbeau S., Descroix F., Bertrand B., De Kochko A., Dussert S.** 2009. Metabolic pathways in tropical dicotyledonous albuminous seeds: *Coffea arabica* as a case study. *New phytologist*, **182** : 146-162.  
[20090402]. <http://dx.doi.org/10.1111/j.1469-8137.2008.02742.x>

**Lashermes G., Nicolardot B., Parnaudeau V., Thuriès L., Chaussod R., Guillotin M.L., Lineres M., Mary B., Metzger L., Morvan T., Tricaud A., Villette C., Houot S.** 2009. Indicator of potential residual carbon in soils after exogenous organic matter application. *European journal of soil science*, **60** : 297-310.  
[20090402]. <http://dx.doi.org/10.1111/j.1365-2389.2008.01110.x>

**Laurent P., Chabirand A., Jouen E., Robène-Soustrade I., Gagnevin L., Hostachy B., Pruvost O.** 2009. A new semi-selective medium for isolation of *Xanthomonas axonopodis* pv. *dieffenbachiae*, the etiological agent of anthurium bacterial blight. *Letters in applied microbiology*, **49** (2): 210-216.

**Leclerc G., Bah A., Barbier B., Boutinot L., Botta A., Daré W., Gaye I.D., Fourage C., Magrin G., Soumaré M.A., Touré I.** 2009. Managing tricky decentralised competencies: case study of a participatory modelling experiment on land use in the Lake Guiers area in Northern Senegal. *Sustainability science*, **4** (2): 243-261.  
[20091023]. <http://dx.doi.org/10.1007/s11625-009-0083-3>

**Lecompte J.Y., Colligan A., Sarter S., Cardinale E., Kondjoyan A.** 2009. Decontamination of chicken skin surfaces inoculated with *Listeria innocua*, *Salmonella enteritidis* and *Campylobacter jejuni* by contact with a concentrated lactic acid solution. *British poultry science*, **50** (3): 307-317.  
[20090916]. <http://dx.doi.org/10.1080/00071660902942742>

**Lefevre P., Lett J.M., Varsani A., Martin D.P.** 2009. Widely conserved recombination patterns among single-stranded DNA viruses. *Journal of Virology*, **83** (6): 2697-2707.  
<http://dx.doi.org/10.1128/JVI.02152-08>

**Lett J.M., Hoareau M., Reynaud B., Saison A., Hostachy B., Lobin K., Benimadhu S.** 2009. First report of *Tomato chlorosis virus* in tomato on Mauritius Island. *Plant disease*, **93** (1): 111.  
[20090619]. <http://dx.doi.org/10.1094/PDIS-93-1-0111A>

**Lett J.M., Lefevre P., Couston L., Hoareau M., Thierry M., Reynaud B., Martin D.P., Varsani A.** 2009. Complete genomic sequences of Tomato yellow leaf curl Mali virus isolates infecting tomato and pepper from the north Province of Cameroun. *Archives of*

*Virology*, **154** (3): 535-540.  
<http://dx.doi.org/10.1007/s00705-009-0313-0>

**Mahbou Somo Toukam G., Cellier G., Wicker E., Guilbaud C., Kahane R., Allen C., Prior P.** 2009. Broad diversity of *Ralstonia solanacearum* strains in Cameroon. *Plant disease*, **93** (11): 1123-1130.  
[20091026]. <http://dx.doi.org/10.1094/PDIS-93-11-1123>

**Mikolasek O., Trinh Dinh Khuyen, Medoc J.M., Porphyre V.** 2009. L'intensification écologique d'un modèle de pisciculture intégrée : recycler les effluents d'élevages porcins de la province de Thai Binh (Nord Vietnam) = The ecological intensification of an integrated fish farming model: Recycling pig effluents from farms in Thai Binh province (North Vietnam). *Cahiers agricultures*, **18** (2-3): 235-241.  
[20090701]. <http://dx.doi.org/10.1684/agr.2009.0295>

**Moussart A., Wicker E., Le Delliou B., Abelard J.M., Esnault R., Lemarchand E., Rouault F., Le Guennou F., Pilet-Nayel M.L., Baranger A., Rouxel F., Tivoli B.** 2009. Spatial distribution of *Aphanomyces euteiches* inoculum in a naturally infested pea field. *European journal of plant pathology*, **123** (2): 153-158.  
[20080309]. <http://dx.doi.org/10.1007/s10658-008-9350-x>

**Nduwamungu C., Ziadi N., Parent L.E., Tremblay G.F., Thuriès L.** 2009. Opportunities for, and limitations of, near infrared reflectance spectroscopy applications in soil analysis: A review. *Canadian Journal of Soil Science*, **89** (5): 531-541.  
[20091118]. <http://dx.doi.org/10.4141/CJSS08076>

**Nibouche S., Tibere R.** 2009. Genotypic variation of resistance to the spotted stalk borer *Chilo sacchariphagus* (Bojer) in sugarcane: evidence of two distinct resistance mechanisms. *Plant breeding*, **128** (1): 74-77.  
[20090205]. <http://dx.doi.org/10.1111/j.1439-0523.2008.01554.x>

**Normand F., Pambo Bello A.K., Trottier C., Lauri P.E.** 2009. Is axis position within tree architecture a determinant of axis morphology, branching, flowering and fruiting? An essay in mango. *Annals of botany*, **103** (8): 1325-1336.  
[20090527]. <http://dx.doi.org/10.1093/aob/mcp079>

**Payet N., Findeling A., Chopart J.L., Feder F., Nicolini E.A., Saint Macary H., Vauclin M.** 2009. Modelling the fate of nitrogen following pig slurry application on a tropical cropped acid soil on the island of Réunion (France). *Agriculture, ecosystems and environment* (3-4) (vol134:n): 218-233.  
[20090921]. <http://dx.doi.org/10.1016/j.agee.2009.07.004>

**Pruvost O., Robène-Soustrade I., Ah-You N., Jouen E., Boyer C., Wuster G., Hostachy B., Napoles C., Dogley W.** 2009. First report in the Seychelles of *Xanthomonas axonopodis* genetic cluster 9.2 causing bacterial leaf spot of avocado. *Plant disease*, **93** (6): 672.  
[20090528]. <http://dx.doi.org/10.1094/PDIS-93-6-0672B>

**Pruvost O., Robène-Soustrade I., Ah-You N., Jouen E., Boyer C., Wuster G., Hostachy B., Napoles C., Dogley W.** 2009. First report of *Xanthomonas cucurbitae* causing Bacterial

leaf spot of watermelon in the Seychelles. *Plant disease*, **93** (6): 671. [20090528]. <http://dx.doi.org/10.1094/PDIS-93-6-0671B>

**Pruvost O., Savelon C., Boyer C., Chiroleu F., Gagnevin L., Jacques M.A.** 2009. Populations of *Xanthomonas citri* pv *mangiferaeindicae* from asymptomatic mango leaves are primarily endophytic. *Microbial ecology*, **58** (1): 170-178. <http://dx.doi.org/10.1007/s00248-008-9480-x>

**Reynaud B., Delatte H., Peterschmitt M., Fargette D.** 2009. Effects of temperature increase on the epidemiology of three major vector-borne viruses. *European journal of plant pathology*, **123** (3): 269-280. [20090216]. <http://dx.doi.org/10.1007/s10658-008-9363-5>

**Richard A., Farreyrol K., Rodier B., Leoce-Mouk-San K., Wong M., Pearson M.N., Grisoni M.** 2009. Control of virus diseases in intensively cultivated vanilla plots of French Polynesia. *Crop protection*, **28** (10): 870-877. [20090911]. <http://dx.doi.org/10.1016/j.cropro.2009.06.003>

**Rousse P., Gourdon F., Chiroleu F., Quilici S.** 2009. Biotic and biotic factors affecting the flight activity of Fopius arisanus, an Egg-pupal parasitoid of fruit fly pests. *Environmental entomology*, **38** (3): 896-903.

**Siguier P., Gagnevin L., Chandler M.** 2009. The new IS1595 family, its relation to IS1 and the frontier between insertion sequences and transposons. *Research in microbiology*, **160** (3): 232-241. [20090603]. <http://dx.doi.org/10.1016/j.resmic.2009.02.003>

**Tassin J., Medoc J.M., Kull C.A., Rivière J.N., Balent G.** 2009. Can invasion patches of *Acacia mearnsii* serve as colonizing sites for native plant species on Réunion (Mascarene archipelago)? *African journal of ecology*, **47** (3): 422-432.

**Vayssières J., Bocquier F., Lecomte P.** 2009. GAMEDE: A global activity model for evaluating the sustainability of dairy enterprises. Part II - Interactive simulation of various management strategies with diverse stakeholders. *Agricultural systems*, **101** (3): 139-151. [20090914]. <http://dx.doi.org/10.1016/j.agsy.2009.05.006>

**Vayssières J., Guerrin F., Paillat J.M., Lecomte P.** 2009. GAMEDE: A global activity model for evaluating the sustainability of dairy enterprises. Part I. Whole-farm dynamic model. *Agricultural systems*, **101** (3): 128-138. [20090805]. <http://dx.doi.org/10.1016/j.agsy.2009.05.001>

**Wicker E., Grassart L., Coranson-Beaudu R., Mian D., Prior P.** 2009. Epidemiological evidence for the emergence of a new pathogenic variant of *Ralstonia solanacearum* in Martinique (French West Indies). *Plant pathology*, **58** (5): 853-861. [20090923]. <http://dx.doi.org/10.1111/j.1365-3059.2009.02098.x>