**Références bibliographiques**

1. AAC.F(2013).FProductionFbiologique.FSource :F<http://www4.agr.gc.ca/AAFCAAC/displayafficher.do?id=1183748510661&lang=fra>.
2. Abdellaoui, H.H. (2012).Présentation de l’approche Algérienne en matière d’agriculture biologique : potentiel, conditions de leur développement et perspectives pourFlaFvalorisationFdeFlaFproductionFAlgérienne.FSource :Feeas.europa.eu/.../algeria/.../20121221\_approche\_algerienne\_agriculture...*‎*
3. Abdel-Monaim, M.F. (2011). Integrated management of dampingoff, root and/or stem rot diseases of chickpea and efficacy of the suggested formula. Not Sci Biol. 3:80–88.
4. Adam, A. (2008). Elicitation de la résistance systémique induite chez la tomate et le concombre et activation de la voie de la lipoxygénase par des rhizobactéries non-pathogènes. Thèse disponible sur : http://bictel.ulg.ac.be/ETD-db/collection/available/ULgetd-02202008-162241/unrestricted/doctoratakramadam.pdf
5. Ahimou, F. [Jacques, P](http://www.ncbi.nlm.nih.gov/pubmed?term=Jacques%20P%5BAuthor%5D&cauthor=true&cauthor_uid=11118581)., [Deleu, M](http://www.ncbi.nlm.nih.gov/pubmed?term=Deleu%20M%5BAuthor%5D&cauthor=true&cauthor_uid=11118581). (2000). Surfactin and iturin A effects on Bacillus subtilis surface hydrophobicity. *Enzyme Microb. Technol*. 27 : 749– 754.
6. Alfano, J.R., Collmer, A. (2004). Type III secretion system effector proteins: double agents in bacterial disease and plant defense. *Annu. Rev. Phytopathol.* 42:358-414.
7. Anonyme 1. (2012). Bulletin trimestriel d’information sur les sciences exactes et naturelles Vol. 10, 3pp.
8. Anonyme 2. Source : <http://www.pic.int/>
9. Anonyme 3. Source : <http://www.pops.int/>
10. Anonymef4.F(2011).FSouce:F<http://sustainabledevelopment.un.org/dsd_aofw_ni/ni_pdfs/NationalReports/algeria/full_report.pdf>.
11. Anonyme 5. Source: [www.wwf.fr/.../l-agriculture-durable-une-voie-d-avenir fncivam-ww](http://www.wwf.fr/.../l-agriculture-durable-une-voie-d-avenir%20fncivam-ww)...).
12. Anonyme 6. Source : <http://ec.europa.eu>.
13. Anonyme 7. Marché de biopesticides d'une valeur de 3,2 milliards $ d'ici 2017 – nouveau rapport par Marketsandm. Source: http://www.interestblog.org/russel/article-detail-76920
14. Anonyme 8. L’agriculture biologique. Premiers éléments d’information et de réflexion.FSource :F<http://www.centrediversification.fr/client/20026/prod/P_0_20026_184_1386153973.pdf>.
15. AnonymeF9.FProductionFbiologiqueFProductionFcanadienne.FSource :Fhttp://www.agr.gc.ca/fra/industrie-marches-et-commerce/statistiques-et-information-sur-les-marches.
16. Antoun, H., Prevost, D. (2006). Ecology of plant growth promoting rhizobacteria. *PGPR: Biocontrol and Biofertilization*. *Siddiqui, Z.A. (eds).* pp. 1-38.
17. Arbach, G. (2012). Library Briefing. Pesticide Legislation in the EU. Toward sustainable useFofFplantFprotectionFproducts.FEuropeanFParliament.FSource:*F*<http://www.europarl.europa.eu/RegData/bibliotheque/briefing/2012/120291/LDM_BRI(2012)120291_REV1_EN.pdf>
18. Ariffin, H., Abdullah, N., Umi Kalsom, M.S., Shirai, Y., Hassan, M.A. (2006). Production and characterisation of cellulase produced by Bacillus pumilus EB3. *Int J Eng Technol.* 3:47–53.
19. Aris, T.W., Rina, P.A., Asri, W., Anja, M., Abdjad, A.N. (2011). Characterization of *Bacillus* sp. Strains isolated from rhizosphere of soybean plants for their use as potential plant growth for promoting Rhizobacteria. *J. Microbio. Antimicrobials*. 3: 34-40.
20. Aris, T.W., Rina, P.A., Asri, W., Anja, M., Abdjad, A.N. (2011). Characterization of *Bacillus* sp. Strains isolated from rhizosphere of soybean plants for their use as potential plant growth for promoting Rhizobacteria. *J. Microbio. Antimicrobials*. 3: 34-40.
21. Asaka, O., Shoda, M. (1996). Biocontrol of *Rhizoctonia solani* damping-off of tomato with B. subtilis Rb14. [*Appl Environ Microbiol*](http://www.ncbi.nlm.nih.gov/pmc/journals/83/)*.* 62 : 4081–4085.
22. Ausubel, F.M. (2005). Are innate immune signaling pathways in plants and animals conserved. *Nature Immunol*. 6 : 973–79.
23. Badri, D.V ., Vivanco, J.M. (2009). Regulation and function of root exudates. *Plant Cell Environ*. 32:666–681.
24. **Bahri,**  R. (2011). Les pois chiches occupent le haut du tableau : Production record de légumesFsecsFàFAïnFTémouchent.FSource :F<http://www.adnsolution.net/invest/index.php?news=282>.
25. Bais, H.P., [Fall, R](http://www.ncbi.nlm.nih.gov/pubmed?term=Fall%20R%5BAuthor%5D&cauthor=true&cauthor_uid=14684838)., [Vivanco, J.M](http://www.ncbi.nlm.nih.gov/pubmed?term=Vivanco%20JM%5BAuthor%5D&cauthor=true&cauthor_uid=14684838). (2004). Biocontrol of Bacillus subtilis against infection of Arabidopsis roots by Pseudomonas syringae is facilitated by biofilme formation and surfactin production. *Plant Physiol.* 134: 307–319.
26. Bari, R., Jones, J.D.G. (2009). Role of plants hormones in plant defence responses. *Plant Mol. Biol.* 69:473-88.
27. Beckers, G.J.M., Conrath, U. (2007). Priming for stress resistance: from the lab to the field. *Curr. Opin. Plant Biol.* 10:425-431.
28. Bell, M., Hertz-Piccioto, L., Beaumont, J.J. (2001). A case control study of pesticides and fetal death due to congenital anomalies. *Epidemiology*. 12: 148-156.
29. Beneduzi, A., Peres, D., Da Costa, P.B., Zanettini, M.H.B. (2008). Genetic and phenotypic diversity of plant growth- promoting bacilli isolated from wheat fields in southern Brazil. *Res. Microbiol.* 159: 244–250.
30. Beneduzi, A., Peres, D., Da Costa, P.B., Zanettini, M.H.B. (2008). Genetic and phenotypic diversity of plant growth- promoting bacilli isolated from wheat fields in southern Brazil. *Res. Microbiol.* 159: 244–250.
31. Berny, P.J., [Buronfosse, T](http://www.ncbi.nlm.nih.gov/pubmed?term=Buronfosse%20T%5BAuthor%5D&cauthor=true&cauthor_uid=9353908)., [Buronfosse, F](http://www.ncbi.nlm.nih.gov/pubmed?term=Buronfosse%20F%5BAuthor%5D&cauthor=true&cauthor_uid=9353908)., [Lamarque, F](http://www.ncbi.nlm.nih.gov/pubmed?term=Lamarque%20F%5BAuthor%5D&cauthor=true&cauthor_uid=9353908)., [Lorgue, G](http://www.ncbi.nlm.nih.gov/pubmed?term=Lorgue%20G%5BAuthor%5D&cauthor=true&cauthor_uid=9353908). (1997). Field evidence of secondary poisoning of foxes (*Vulpes vulpes*) and buzzards (Buteo buteo) by bromadiolone, a 4-year survey. *Chemosphere.* 35:1817- 1829.
32. Bing-Lan, L., Yew-Min, T. (1998). Optimization of growth medium for the production of spores from Bacillus thuringiensis using response surface methodology. *Bioprocess Engineering*. 18:413-418.
33. Bloemberg, G., Vanderleyden, J., De Mot R., Lugtenberg, J.J.(2002). Flagella-Driven Chemotaxis towards Exudate Components Is an Important Trait for Tomato Root Colonization by *Pseudomonas fluorescens. MPMI*. 15:1173–1180.
34. Boldt, T.S, Jacobsen, C.S. (2006). Different toxic effects of the sulfonylurea herbicides metsulfuron methyl, chlorsulfuron and thifensulfuron methyl on fluorescent *Pseudomonads* isolated from an agricultural soil. *FEMS Microbiology Letters.* 161:29-35.
35. Bonmatin, J.M., [Laprévote, O](http://www.ncbi.nlm.nih.gov/pubmed?term=Lapr%C3%A9vote%20O%5BAuthor%5D&cauthor=true&cauthor_uid=14529379)., [Peypoux, F](http://www.ncbi.nlm.nih.gov/pubmed?term=Peypoux%20F%5BAuthor%5D&cauthor=true&cauthor_uid=14529379). (2003). Diversity among microbial cyclic lipopeptides: iturins and surfactins. Activity-structure relationships to design new bioactive agents. *Comb. Chem. High Throughput Screen*. 6, 541–556.
36. Bottini, R., Cassán, F., Piccoli, P. (2004). Gibberellin production by bacteria and its involvement in plant growth promotion and yield increase. *Appl. Microbiol. Biotechnol*. 65: 497-503.
37. Brakes, C.R., Smith, R.H. (2005). Exposure of non-target small mammals to rodenticides: short-term effects,recovery and implications for secondary poisoning. *Journal of Applied Ecology*. 42: 118-128.
38. Bruinsma, J. (2009). The resource outlook to 2050: By how much do land, water and crop yields need to increase by 2050. Rome, FAO.
39. Cartillier, M. (1977). La révolution verte en Inde et le rôle des petites industries : le cas des pompes d'irrigation. *Tiers-Monde.* 70 : 397-412.
40. Catanzariti, A.M., Dodds, P.N., Ellis, J.G. (2007). Avirulence proteins from haustoria-forming pathogens. *FEMS Micorbiol. Lett*. 269:181-88.
41. Cawoy, H., Bettiol, W., Fickers, P., Ongena, M. (2012). *Bacillus*-Based Biological Control of Plant. Thèse disponible sur: *www.intechopen.com/download/pdf/21989*‎ l.
42. [Cawoy, H](http://www.ncbi.nlm.nih.gov/pubmed?term=Cawoy%20H%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Mariutto, M](http://www.ncbi.nlm.nih.gov/pubmed?term=Mariutto%20M%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Henry,G](http://www.ncbi.nlm.nih.gov/pubmed?term=Henry%20G%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Fisher, C](http://www.ncbi.nlm.nih.gov/pubmed?term=Fisher%20C%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Vasilyeva,N](http://www.ncbi.nlm.nih.gov/pubmed?term=Vasilyeva%20N%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Thonart, P](http://www.ncbi.nlm.nih.gov/pubmed?term=Thonart%20P%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Dommes, J](http://www.ncbi.nlm.nih.gov/pubmed?term=Dommes%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24156767)., [Ongena, M](http://www.ncbi.nlm.nih.gov/pubmed?term=Ongena%20M%5BAuthor%5D&cauthor=true&cauthor_uid=24156767). (2014). Plant defense stimulation by natural isolates of bacillus depends on efficient surfactin production.[*Mol Plant Microbe Interact.*](http://www.ncbi.nlm.nih.gov/pubmed/24156767) 27:87-100.
43. CE, 2012. Source : <http://ec.europa.eu/agriculture/organic/eu-policy/legislation_fr>.
44. Chang, J.H., Goel, A.K., Grant, S.R., Dangl, J.L. (2004). Wake of the flood: ascribing functions to the wave of type III effector proteins of phytopathogenic bacteria. *Curr. Opin.* Microbiol. 7:11-8.
45. Chen, X.H., Vater, J., Piel, J., Franke, P., Scholz, R., Schneider, K.,Koumoutsi, A., Hitzeroth, G., Grammel, N., Strittmatter, A. W., Gottschalk, G., Süssmuth, R., Borriss, R. (2006). Structural and functional characterization of three polyketide synthase gene clusters in *Bacillus* *amyloliquefaciens* FZB 42. *J. Bacteriol*. 188: 4024-4036.
46. Chet, I., Mitchell, M. (1976). Ecological aspects of microbial chemotactic behavior. *Annual Review of Microbiology*. 30: 221-239.
47. Chisholm, S.T., Coaker, G., Day, B., Staskawicz, B.J. (2006). Host-microbe interactions: shaping the evolution of the plant immune response. *Cell*. 124:803–14.

# [Cho, E.K](http://www.ncbi.nlm.nih.gov/pubmed?term=Cho%20EK%5BAuthor%5D&cauthor=true&cauthor_uid=21429298), [Choi, I.S](http://www.ncbi.nlm.nih.gov/pubmed?term=Choi%20IS%5BAuthor%5D&cauthor=true&cauthor_uid=21429298), [Choi, Y.J](http://www.ncbi.nlm.nih.gov/pubmed?term=Choi%20YJ%5BAuthor%5D&cauthor=true&cauthor_uid=21429298). (2011). Overexpression and characterization of thermostable chitinase from *Bacillus atrophaeus* SC081 in *Escherichia coli*. [*BMB Rep*.](http://www.ncbi.nlm.nih.gov/pubmed/21429298) 44: 193-8.

1. COLEACP.F(2011).FLutteFbiologiqueFetFprotectionFintégrée.F*Source :F*pip.coleacp.org/files/documents/COLEACP\_Manuel\_10\_FR.pdf.
2. CTB. (2009). L’agriculture bio dans les pays du Sud : une opportunité de développementFdurable .fSource :F<http://www.befair.be/sites/default/files/allfiles/brochure/Brochure_bio%5B1%5D.pdf>.
3. Daniels, R. [Vanderleyden](http://www.sciencedirect.com/science/article/pii/S0168644503000937), J.,  [Michiels](http://www.sciencedirect.com/science/article/pii/S0168644503000937), J. (2004). Quorum sensing and swarming migration in bacteria. *FEMS Microbiol. Rev*. 28: 261–289.
4. De Carvalho, C.C.C.R., Pedro, F.M. (2010). Production of metabolites as bacterial responses to the marine environment*. Drugs*. 8: 705-27.
5. De Weert, S., Vermeiren, H., Mulders H.M., Kuiper, I., Hendrickx, N., Bloemberg, G., Vanderleyden, J., De Mot R., Lugtenberg, J.J.(2002). Flagella-Driven Chemotaxis towards Exudate Components Is an Important Trait for Tomato Root Colonization by *Pseudomonas fluorescens. MPMI*. 15:1173–1180.
6. Declert, C. (1990).Manuel de phytopathologie maraichère tropicale. Cultures de Côte-d'Ivoire.FSource :*F*<http://horizon.documentation.ird.fr/exldoc/pleins_textes/divers1102/36393.pdf>.
7. Delaggi,FA.F(2009).FReactiondedefensedesplantes.FSource :F*vegetal.snv.jussieu.fr/documents/M2%20defense-plantes%20Dellagi.pdf*‎.
8. Dib, J.R., Weiss, A., Neumann, A., Ordoñez, O., Estévez, M.C., Farías, M.E. (2009). Isolation of bacteria from remote high altitude Andean lake able to grow in the presence of antibiotics. *Recent Patents on Anti-Infective Drug Discovery*. 4: 66–76.
9. Duitman, E. H, Hamoen, L. W., Rembold, M. et al. (1999). Themycosubtilin synthetase of Bacillus subtilis ATCC6633: amultifunctional hybrid between a peptide synthetase, an amino transferase, and a fatty acid synthase. *P Natl Acad Sci USA*. 96: 13294–13299.
10. Ebrahiminezhad, A., Rasoul-Amini, S., Ghasemi, Y. (2011). L-Asparaginase Production by Moderate Halophilic Bacteria Isolated from Maharloo Salt Lake. Indian J Microbiol. 51: 307–311.
11. Eisenhauer, N [Klier](http://www.sciencedirect.com/science/article/pii/S0929139309000250), M., [Partsch](http://www.sciencedirect.com/science/article/pii/S0929139309000250), S., [Sabais](http://www.sciencedirect.com/science/article/pii/S0929139309000250), A.C.W, [Scherber](http://www.sciencedirect.com/science/article/pii/S0929139309000250), C[. Weisser](http://www.sciencedirect.com/science/article/pii/S0929139309000250), W.W.[S., cheu](http://www.sciencedirect.com/science/article/pii/S0929139309000250), S. (2009). Interactive effects of pesticides and plant diversity on soil microbial biomass and respiration. *Applied Soil Ecology*. 42: 31-36.
12. Errington, J. (2003). Regulation of endospore formation in *Bacillus subtilis*. *Nat. Rev. Microbiol*. 1:117-126.
13. Esumi, Y., Suzuki Y., Itoh,Y., Chijimatsu, M., Uramoto, M., Kimura, K.I., Nakayama, S., Yoshihama, M., Ichikawa, T., Haramo, T., Fujishige, J. (2003). SNA-60-367 components, new peptide enzyme inhibitors of aromatase: structure of the fatty acid side chain and amino acid sequence by mass spectrometry. *J Antibiot*. 56: 716–720.
14. FAO. (2002). International Code of Conduct on the Distribution and Use of Pesticides*.* Source:F<http://www.fao.org/WAICENT/FAOINFO/AGRICULT/AGP/AGPP/Pesticid/Code/Download/code.pdf>.
15. FAO. (2013). AGP-Approche stratégique de la gestion internationale des produits chimiquesFSAICM.FSource :F<http://www.fao.org/agriculture/crops/themesprincipaux/theme/pests/code/saicm/fr/>
16. Filotas,FM.F(2010).FLesbiopesticidesenagriculturebiologique.FSource:F<http://www.omafra.gov.on.ca/french/crops/organic/news/2010-04a6.htm>.
17. Flor, H.H. (1971). Current status of gene-for-gene concept. Annu. Rev. *Phytopathol*. 9:275-296.
18. Francis, I., Holsters, M., Vereecke, D. (2010). The Gram-positive side of plant-microbe interactions. *Environmental Microbiology.* 12: 1-12.
19. Fravel, D.R (2005). Commercialization and implementation of biocontrol. *Ann Rev Phytopathol*. 43: 337-359.
20. Georges, S. (1959). Les disparités régionales. *Économie rurale. L'économie agricole française 1938 – 1958.* 161-168 pp .
21. Goldenman, G., PozoVera, E. (2008). Outils internationaux de prévention des problèmes locaux liés aux pesticides: guide unifié des codes et conventions chimiques. Source : <http://www.panuk.org/archive/PDFs/Consolidated%20Guide%20French.pdf>
22. [Gong, W](http://www.ncbi.nlm.nih.gov/pubmed?term=Gong%20W%5BAuthor%5D&cauthor=true&cauthor_uid=17129386)., [Ren, Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Ren%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=17129386)., [Xu, Q](http://www.ncbi.nlm.nih.gov/pubmed?term=Xu%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=17129386)., [Wang, Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=17129386)., [Lin, D](http://www.ncbi.nlm.nih.gov/pubmed?term=Lin%20D%5BAuthor%5D&cauthor=true&cauthor_uid=17129386)., [Zhou, H](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhou%20H%5BAuthor%5D&cauthor=true&cauthor_uid=17129386)., [Li,T](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20T%5BAuthor%5D&cauthor=true&cauthor_uid=17129386). (2006). Integrated siRNAdesign based on surveying of features associated with high RNAi effectiveness. *BMC Bioinformatics*. 7: 516 pp.
23. Greenlee, A.R., Arbuckle, T.E., Chyou, P.H. (2003). Risk Factors for Female Infertility in an Agricultural Region. *Epidemiology.* 14:429-436.
24. Grifon, M. (2006). Nourrir la planète*.* Pour une révolution doublement verte. Éditions Odile Jacob. 456 pp.
25. Hansen, D.B., Bumpus, S.B., Aron, Z.D., Kelleher, N.L., Walsh, C.T. (2007). The loading module of mycosubtilin: an adenylation domain with fatty acid selectivity. *J Am Chem Soc.* 129: 6366–6367.
26. Harwood, C.R., Wipat, A. (1996). Sequencing and functional analysis of the genome of *Bacillus subtilis* strain 168. *FEBS Letters.*389:84-87.
27. Heath, M. C. (1998). Apoptosis, programmed cell death and the hypersensitive response. Eur. J. Plant Path. 104:117-124.
28. Heath, M.C. (2000). Hypersensitive response-related death. *Plant Mol. Biol*. 44:321–34.
29. Heath, M.C. (2000). Nonhost resistance and nonspecific plant defenses. *Current Opinion in Plant Biology.* 3: 315–319.
30. Hirsch, A. M., Bauer, W.D., Bird, D.M., Cullimore, J., Tyler, B., Yoder, J.I. (2003). Molecular signals and receptors: controlling rhizosphere interactions between plants and other organisms. *Ecology*. 84 : 858–868.
31. Husen, E., (2003). Screening of soil bacteria for plant growth promoting activities *in vitro.* Indones. *J. Agric. Sci*. 4: 27-31.
32. IFOAM. (2012).Source : <http://www.agencebio.org/>*.*
33. Jack Weinberg. (2009). Un guide pour les ONG sur les pesticides dangereux et la SAICM.FSource:F<http://www.ipen.org/ipenweb/documents/book/hazpesticides_guide_french.pdf>.
34. Jacques, P., Hbid, C., Destain, j., Razafindralambo, H., Paquot, M., De Pauw, E., Thonart, P. (1999). Optimization of biosurfactant lipopeptides production from *Bacillus subtilis* S499 by Plackett– Burman design. *Appl Biochem Biotechno*. l77: 223–233.
35. Jeyaratnam, J. (1990). Acute Pesticide Poisoning: A Major Global Health Problem. *World Health Statistics Quarterly*. 43:139-144.
36. Jones, J.D.G, Dangl, J.L. The plant immune system. *Nature*. 444:323–29.
37. Jongsik, C., Kyung, S.B. (2000). Phylogenetic analysis of Bacillus subtilis and related taxa based on partial gyrA gene sequences. *Antonie Van Leeuwenhoek.* 78:123–127.
38. Jourdan, E., Henry, G., Duby, F., Dommes, J., Barthelemy, J.P., Thonart P., Ongena, M. (2009). Insights into the defense-related events occurring in plant cells following perception of surfactin-type lipopeptide from *Bacillus subtilis*. *Mol. Plant Microbe Interact*. 22: 456–468.
39. Jwa, N.S, Agrawal, G.K, Tamogami, S, Yonekura, M., Han, O., Iwahashi, H., Rakwal, R. (2006). Role of defense/stress-related marker genes, proteins and secondary metabolites in defining rice self-defense mechanisms. *Plant Physiol. Biochem*. 44: 261–73.
40. Karimi, K., Amini, J., Harighi B., Bahramnejad, B. (2012). Evaluation of biocontrol potential of *Pseudomonas* and *Bacillus* spp. against Fusarium wilt of chickpea. *AJCS.* 6: 695-703.
41. Kim, P.I., [Bai, H](http://www.ncbi.nlm.nih.gov/pubmed?term=Bai%20H%5BAuthor%5D&cauthor=true&cauthor_uid=15479409)., [Bai, D](http://www.ncbi.nlm.nih.gov/pubmed?term=Bai%20D%5BAuthor%5D&cauthor=true&cauthor_uid=15479409)., [Chae, H](http://www.ncbi.nlm.nih.gov/pubmed?term=Chae%20H%5BAuthor%5D&cauthor=true&cauthor_uid=15479409)., [Chung, S](http://www.ncbi.nlm.nih.gov/pubmed?term=Chung%20S%5BAuthor%5D&cauthor=true&cauthor_uid=15479409)., [Kim, Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Kim%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=15479409)., [Park, R](http://www.ncbi.nlm.nih.gov/pubmed?term=Park%20R%5BAuthor%5D&cauthor=true&cauthor_uid=15479409)., [Chi, Y.T](http://www.ncbi.nlm.nih.gov/pubmed?term=Chi%20YT%5BAuthor%5D&cauthor=true&cauthor_uid=15479409). (2004) Purification and characterization of a lipopeptides produced by Bacillus thuringiensis CMB26. J. Appl. Microbiol. 97, 942– 949.
42. [Kinsinger R.F](http://www.ncbi.nlm.nih.gov/pubmed?term=Kinsinger%20RF%5BAuthor%5D&cauthor=true&cauthor_uid=12949115)., [Shirk M.C](http://www.ncbi.nlm.nih.gov/pubmed?term=Shirk%20MC%5BAuthor%5D&cauthor=true&cauthor_uid=12949115)., [Fall R](http://www.ncbi.nlm.nih.gov/pubmed?term=Fall%20R%5BAuthor%5D&cauthor=true&cauthor_uid=12949115). (2003). Rapid surface motility in Bacillus subtilis is dependent on extracellular surfactin and potassium ion*. J. Bacteriol*. 185: 5627–5631
43. Koberl, M., Zachow, C., Muller, H., Ramadan, E.M., Bauer, R., Berg, G. (2013). Biological control agents for combating soil-bornes pathogens in Egypt. Source: <http://ebookbrowse.com/bi/biological-control-agents>.
44. Korsten, L., Cook, N. (1996). South African Avocado Growers’ Association Yearbook. 19:54-58.
45. Koumoutsi, A., [Chen](http://www.ncbi.nlm.nih.gov/pubmed/?term=Chen%20XH%5Bauth%5D),X.H.,  [Henne](http://www.ncbi.nlm.nih.gov/pubmed/?term=Henne%20A%5Bauth%5D),A.,  [Liesegang](http://www.ncbi.nlm.nih.gov/pubmed/?term=Liesegang%20H%5Bauth%5D),H., [Hitzeroth](http://www.ncbi.nlm.nih.gov/pubmed/?term=Hitzeroth%20G%5Bauth%5D),G., [Franke](http://www.ncbi.nlm.nih.gov/pubmed/?term=Franke%20P%5Bauth%5D),P., [Vater](http://www.ncbi.nlm.nih.gov/pubmed/?term=Vater%20J%5Bauth%5D),J., [Borriss](http://www.ncbi.nlm.nih.gov/pubmed/?term=Borriss%20R%5Bauth%5D), R. (2004) Structural and functional characterization of gene clusters directing nonribosomal synthesis of bioactive cyclic lipopeptides in Bacillus amyloliquefaciens strain FZB42. J. Bacteriol. 186: 1084–1096.
46. Leclère, V., Bechet, M., Adam, A., Guez, J. S., Wathelet, B., Ongena, M., Thonart, P., Gancel, F., Chollet-Imbert M., Jacques, P. (2005). Mycosubtilin overproduction by *Bacillus subtilis* BBG100 enhances the organism's antagonistic and biocontrol activities. *Appl. Environ. Microbiol*. 71: 4577-4584.
47. Leclere, V., [Marti, R](http://www.ncbi.nlm.nih.gov/pubmed?term=Marti%20R%5BAuthor%5D&cauthor=true&cauthor_uid=16964493)., [Béchet, M](http://www.ncbi.nlm.nih.gov/pubmed?term=B%C3%A9chet%20M%5BAuthor%5D&cauthor=true&cauthor_uid=16964493)., [Fickers, P](http://www.ncbi.nlm.nih.gov/pubmed?term=Fickers%20P%5BAuthor%5D&cauthor=true&cauthor_uid=16964493)., [Jacques, P](http://www.ncbi.nlm.nih.gov/pubmed?term=Jacques%20P%5BAuthor%5D&cauthor=true&cauthor_uid=16964493). (2006). The lipopeptides mycosubtilin and surfactin enhance spreading of Bacillus subtilis strains by their surface-active properties. *Arch. Microbiol*. 186 : 475–483.
48. Liu, X., Ren, B., Gao, H., Liu, M., Dai, H., Song, F., Yu, Z., Wang, S., Hu, J., Kokare, C.R. and Zhang, L. (2012). Optimisation for the production of surfactin with a new synergistic antifungal activity. PLOS one 7(5). doi:10.1371/journal.pone.0034430.
49. Lolloo, R., Maharaih, D., Görgens, J., Gardiner, N. (2010). A downstream process for production of a viable and stable *Bacillus cereus* aquaculture biological agent. *Applied Microbiology and Biotechnology.* 86: 499-508.
50. Lugtenberg, B., Kamilova, F. (2009). Plant-growth-promoting-rhizobacteria. *Annual Review of Microbiology.* 63: 541-556.
51. Mäder, P., Fliebbach, A., Dubois, D. Gunst, L., Fried, P., Niggli, U. (2002). Soil fertility and biodiversity in organic farming. *Science*. 296: 1694-1697.
52. Madigan, M., Martinko, J. (2007)*. Biologie des microorganismes*, (11th edition) Pearson education. France.
53. Malfanova, N., Franzil, L., Lugtenberg, B., Chebotar, V., Ongena, M. (2012). Cyclic lipopeptide proﬁle of the plant-beneﬁcial endophytic bacterium Bacillus subtilis HC8. *Arch Microbiol*. 194: 893–899.
54. Mazoyer, M. (2011). Une brève histoire des agricultures du monde. Source : <http://terrethique.org/petits-dejeuners/marcel-mazoyer-une-breve-histoire-des-agricultures-du-monde/>
55. McSpadden-Gardener, B.B. (2004) Ecology of *Bacillus* and *Paenibacillus* spp. in agricultural systems. *Phytopathology*. 94: 1252-1258.
56. Milz, M. (2010). La révolution verte au Rwanda : Un programme d'intensification autoritaire au service de l’agrobusiness. Source : www.grain.org/.../La%révolution%verte%20auRwanda.
57. Monteiro, S.M., Clemente, J.J., Henriques, A.O, Gomes, R.J, Carrondo, M.J, Cunha, A.E. (2005). A procedure for high-yield spore production by *Bacillus subtilis*. *Biotechnol Prog*. 21:1026–1031.
58. Moradi, H., Bahramnejad, B., Amini, J., Siosemardeh, A., Allahverdipoor, K.H. (2012). Suppression of chickpea (*Cicer arietinum* L.) *Fusarium* wilt by *Bacillus subtillis* and *Trichoderma harzianum.*  *POJ*. 5:68-74.
59. Muley BP, Khadabadi SS, Banarase NB (2009) Phytochemical constituents and pharmacological activities of Calendula officinalis Linn (Asteraceae): a review. *Trop J Pharm Res.* 5: 455–465.
60. Neilands, J. B. (1995). Siderophores: Structure and function of microbial iron transport compounds. *J. Biol. Chem*. 270: 26723– 26726.
61. Nihorimbere, V., Cawoy, H., Seyer ,A., Brunelle, A., Thonart, P., Ongena, M. (2012). Impact of rhizosphere factors on cyclic lipopeptides signature from the plant beneficial strain Bacillus amyloliquefaciens S499. *FEMS Microbiol Ecol.* 79:176–191.
62. Nurnberger, T., Kemmerling, B. (2006). Receptors protein kinases – Pattern recognition receptors in plant immunity. *Trends Plant Sci*. 11:519-22.
63. Oerke, E.C, Dehne, H.W., Schonbeck, F., Weber, A.(1995). Crop production and crop protection: estimated losses in major food and cash crops Amsterdam. *Elsevier.* 808 pp.
64. Ongena, M., Jacques, P. (2008). Bacillus lipopeptides: versatile weapons for plant disease biocontrol. *Trends Microbiol.* 16: 115–125.
65. Ongena, M., Jacques, P. (2008). Bacillus lipopeptides: versatile weapons for plant disease biocontrol. *Trends Microbiol.* 16: 115–125.
66. Ongena, M., Jourdan, E., Adam, A., Paquot, M., Brans, A., Joris, B., Arpigny, J. L., Thonart, P. (2007). Surfactin and fengycin lipopeptides of *Bacillus subtilis* as elicitors of induced systemic resistance in plants. *Environ. Microbiol*. 9: 1084–1090.
67. Pamela, C., Ernesto, O.O., Esperanza, M.R., Doris, Z. (2010). Characterization of Bacillus isolates of potato rhizpsphere from Andean soils of Peru and their potential PGPR characteristic. *Brazilian Journal of Microbiology*. 41: 899-906.
68. Park, S.W., Kaimoyo, E., Kumar, D., Mosher, S., Klessig, D.F. (2007). Methyl salicylate is a critical mobile signal for plant systemic acquired resistance. *Science.* 318:113-16.
69. Pathak, K.V., Keharia, H., Gupta, K., Thakur, S.S., Balaram, P. (2012). Lipopeptides from the Banyan Endophyte, Bacillus subtilis K1: Mass Spectrometric Characterization of a Library of Fengycins*. J. Am. Soc. Mass Spectrom*. 10: 1716-1728.
70. Perez-Garcıa, A., Romero, D., De Vicent, A. (2011). Plant protection and growth stimulation by microorganisms: biotechnological applications of *Bacilli* in agriculture. *Current Opinion in Biotechnology*. 22:187–193.
71. Peypoux, F. [Bonmatin](http://link.springer.com/search?facet-author=%22J.+M.+Bonmatin%22), J. M., [Wallach](http://link.springer.com/search?facet-author=%22J.+Wallach%22), J. (1999). Recent trends in the biochemistry of surfactin. *Appl. Microbiol. Biotechnol*, 51 :553–563.
72. Pieta, D. (1991). Mycoflora of *Calendula officinalis* L. seeds. *Acta Agrobot.* 44:1–2
73. Pieterse, C.M.J.,Pelt, J.A.V., Wees, A.C.M. V., Ton, J., Léon-Kloosterziel, K.M., *et al.* (2001). Rhizobacteria-mediated induced systemic resistance: triggering, signaling and expression. *Eur. J. Plant Pathol.* 107:51-61.
74. Pluygers, E., Sadowska, A. (1994). Pesticides et cancer humain. *Revue, Ed Aves, liège*. 43pp.
75. Praveen Kumar, D., Anupama, P., Rajesh Kumar Singh, D., Thenmozhi, R., Nagasathya, A., Thajuddin, A., Paneerselvam, A. (2012). Evaluation of extracellular lytic enzymes from indigenous *Bacillus* isolates. *J. Microbiol. Biotech. Res*. 2: 129-137.
76. Preecha*,*C., Michael, Sadowsky J., Prathuangwong, S. (2010). Lipopeptide Surfactin Produced by Bacillus amyloliquefaciens KPS46 is Required for Biocontrol Efficacy Against Xanthomonas axonopodis pv. Glycines. *Kasetsart J. (Nat. Sci.)*. 44 : 84 – 99.
77. Raaijmakers, J.M,[De Bruijn, I](http://www.ncbi.nlm.nih.gov/pubmed?term=de%20Bruijn%20I%5BAuthor%5D&cauthor=true&cauthor_uid=16838783)., [De Kock, M.J](http://www.ncbi.nlm.nih.gov/pubmed?term=de%20Kock%20MJ%5BAuthor%5D&cauthor=true&cauthor_uid=16838783). (2006). Cyclic lipopeptide production by plantassociated Pseudomonas spp.: diversity, activity, biosynthesis, and regulation. *Mol. Plant Microbe Interact*. 19: 699–710.
78. Rachel, C. (1962). Printemps silencieux (Boston :Houghton Mifflin, 1962), Paris: Plon.
79. Ramey, B.E., [Koutsoudis, M](http://www.ncbi.nlm.nih.gov/pubmed?term=Koutsoudis%20M%5BAuthor%5D&cauthor=true&cauthor_uid=15556032)., [von Bodman, S.B](http://www.ncbi.nlm.nih.gov/pubmed?term=von%20Bodman%20SB%5BAuthor%5D&cauthor=true&cauthor_uid=15556032)., [Fuqua, C](http://www.ncbi.nlm.nih.gov/pubmed?term=Fuqua%20C%5BAuthor%5D&cauthor=true&cauthor_uid=15556032). (2004). Biofilm formation in plant-microbe associations. *Curr. Opin. Microbiol*. 7: 602–609.
80. Ramiro, D. (2009). Characterisation des mecanismes de resistance dans les reponses du caffier (*Coffea arabica*) à l’agent de la rouille orangee (*Hemileia vastatrix*). De la formation des haustoria a l’expression quantitative des gènes. Source : thèses disponible sur le site : <http://horizon.documentation.ird.fr/exl-doc/pleins_textes/divers11-03/010047537.pdf>.
81. Reinecke, A.J.,  Albertus R.M.C.,   Reinecke S.A.,   Larink O. (2008). The effects of organic and conventional management practices on feeding activity of soil organisms in vineyards. *African Zoology.* 43: 66-74.
82. Roberts, M. S., Nakamura, L. K., Cohan, F. M. (1994). International Journal of Systematic Bacteriology. 44: 256–264.
83. Rochefort, S., Lalancette, R., Labbe, R., Brodeur, J. (2006). Recherche et développement de biopesticides et pesticides naturels à faible toxicité pour les organismes non ciblés et respectueux de l’environnement. Rapport final, Projet PARDE, Volet Entomologie, Université Laval. 10- 28 pp.
84. Romero, D., de Vicente, A., Rakotoaly, R.H., Dufour, S.E., Veening, J.W., Arrebola, E., Cazorla, F.M., Kuipers, O.P., Paquot, M., Pérez-García, A. (2007). The iturin and fengycin families of lipopeptides are key factors in antagonism of *Bacillus subtilis* toward *Podosphaera fusca*. *Mol. Plant Microbe Interact.* 20: 430-440.
85. Sandrin, C., Peypoux, F., Michel, G. (1990). Coproduction of surfactin and iturin A lipopeptides with surfactant and antifungal properties by Bacillus subtilis. *Biotechnol. Appl. Biochem*. 12: 370–375.
86. Sarah, D., Ellis, S.D, Boehm, M.J. (2008). Plants Get Sick Too. An introduction to plant disease. *Ohio state university extension*. 401-405 pp.
87. Schippers, B. (1992). Prospects for management of natural suppressiveness to control soilborne pathogens. Biological control of plant diseases, Progress and Challenges for the future. Plenum Press, New York.
88. Seldin, L., van Elsas, J.D., Penido, E.G.C. (1983). *Bacillus* nitrogens fixers from Brazilian soils. Plant Soil.70: 243-255.
89. Sels, J., Mathys, J., De Coninck, B. M. A., Cammue, B. P. A. et De Bolle, M. F. C. (2008). Plant pathogenesis-related (PR) proteins: A focus on PR peptides*. Plant Physiology and Biochemistry.* 46: 941-950.
90. Senesi, S., Ricca, E., Henriques, A. O., Cutting, S. M. (2004). Bacillus spores as probiotics products for human use. In *Bacterial Spores: Probiotics and Emerging Applications*. *Eds. Horizon Scientific Press: London*. 132-141 pp.
91. Shore, R.F., Briksé, J.D.S., Freestonel, P. (1999). Exposure of non-target vertebrates to second-generation rodenticides in Britain, with particular reference to the polecat *Mustela putorius. New zeland journal of Ecology.* 23: 199-206.
92. Shoresh, M., Harman, G., Mastouri, F. (2010). Induced systemic resistance and plant responses to fungal biocontrol agents. *Annual Review of Phytopathology.* 48:21-43.
93. Shulaev, V., Silverman, P., Raskin, I. (1997). Airborne signalling by methyl salicylate in plant pathogen resistance. *Nature*. 385: 718-21.
94. Siddiqui, Z.A. (2005) PGPR: Prospective biocontrol agents of plant pathogens. In: PGPR: Biocontrol and Biofertilization 111e142 pp.. Netherlands: Springer.
95. Somers, E., Vanderleyden, J., Srinivasan, M. (2004). Rhizosphere bacterial signalling: a love parade beneath our feet. *Crit Rev Microbiol*. 30: 205–240.
96. Stein, T. (2005) Bacillus subtilis antibiotics: structures, syntheses and specific functions. *Mol. Microbiol.* 56: 845–857.
97. Strange, R.N., Scott, P.R. (2005). Plant disease: A threat to global food security. *Annual Review of Phytopathology.* 43: 83-116.
98. Sylvie, S. (2010). Source : <http://www.sylviesimonrevelations.com/article-revolution-verte-ogm-pesticides-et-l-appauvrissement-des-sols-61559533.html>.
99. Thakore, Y. (2006). The biopesticide market for global agricultural use. *Industrial Biotechnology.* 2: 194-208.

## Thomas, P.T., Busse, W.W., Kerkvliet, N.I., Luster, M.I., Munson, A.E., Murray, M., Roberts, D., Robinson, M., Silkworth, J., Sjoblad, R. (1990). Immunologic effects of pesticides. *Advances in modern environmental toxicology.* 8: 261-295.

1. Thordal-Christensen, H. (2003). Fresh insights into processes of nonhost resistance. *Curr. Opin. Plant Biol.* 6:351-357.
2. Tilman, D., Cassman, K.G., Matson, P.A., Naylor, R., Polasky, S. (2002). Agricultural sustainability and intensive production practices. *Nature.* 418:671–677.
3. Toure, Y., Ongena, M., Jacques, P., Guiro, A., Thonart, P. (2004). Role of lipopeptides produced by Bacillus subtilis GA1 in the reduction of grey mould disease caused by Botrytis cinerea on apple. *J Appl Microbiol.* 96: 1151–1160.
4. Tsuge, K., Akiyama, T., Shoda, M. (2001). Cloning, sequencing, and characterization of the iturin A operon. *J Bacteriol*. 183: 6265–6273.
5. Uma, B., Rani, T. S., Podile, A. R. (2011). Warriors at the gate that never sleep: Non-host resistance in plants. *Journal of Plant Physiology*. 168: 2141-2152.
6. UNEP,F2013.FRioFDeclarationonFEnvironmentFandFDevelopment.FSource :F<http://www.unep.org/Documents.Multilingual/Default.asp?DocumentID=78&ArticleID=1163>
7. Van Lenteren, J. C. 2000. Measures of success in biological control of arthropods by augmentation of natural enemies. S. Wratten and G. Gurr (eds). 77-103 pp.
8. Van Loon, L.C., Bakker, P., Pieterse, C. M. J. (1998). Systemic resistance induced by rhizosphere bacteria. *Annu. Rev. Phytopathol.* 36: 453-483.
9. Vandeputte, O., Öden, S., Mol, A., Vereecke, D., Goethals, K., El Jaziri, M., Prinsen, E. (2005). Biosynthesis of auxin by the gram-positive phytopathogen *Rhodococcus fascians* is controlled by compounds specific to infect plant tissues. *Appl. Environ. Microbiol.* 71:1169-1177.
10. Vanderplank, J.E. (1984). Disease resistance in plants. *Orlando: Academic Press,* 194p.
11. Vater, J.  [Kablitz](http://aem.asm.org/search?author1=B%C3%A4rbel+Kablitz&sortspec=date&submit=Submit), B., [Wilde](http://aem.asm.org/search?author1=Christopher+Wilde&sortspec=date&submit=Submit), C., [Franke](http://aem.asm.org/search?author1=Peter+Franke&sortspec=date&submit=Submit), P., [Mehta](http://aem.asm.org/search?author1=Neena+Mehta&sortspec=date&submit=Submit), N., [Cameotra](http://aem.asm.org/search?author1=Swaranjit+Singh+Cameotra&sortspec=date&submit=Submit), S.S. (2002). Matrix-assisted laser desorption ionization-time of flight mass spectrometry of lipopeptide biosurfactants in whole cells and culture filtrates of Bacillus subtilis C-1 isolated from petroleum sludge. *Appl. Environ. Microbiol*. 68: 6210–6219.
12. Ventura, M., Elli, M., Reniero, R., Zink, R. (2001). Molecular microbial analysis of *Bifidobacterium* isolates from different environments by the species-specific amplified ribosomal DNA restriction analysis (ARDRA). *FEMS Microbiology Ecology*. 36: 113-121.
13. Vinay V. (2008). Isolation and characterization of Aerobic thermophilic Bacteria from Savusavu Hot springs Fiji. *Microbe Environ*. 23: 350-352.
14. WB,F2008.FWorldFDevelopmentFReportFAgricultureFforFDevelopment.FSource:<http://siteresources.worldbank.org/INTWDR2008/Resources/WDR_00_book.pdf>.
15. Weller, D.M.(1988). Biological control of soilborne plant pathogens in the rhizosphere with bacteria. *Annual Re*.*iew of Phytopathology. 26*: 379-407.
16. Widenfalk, A., Bertilsson, S., Sundh, I., Goedkoop, W., 2008. Effects of pesticides on community composition and activity of sediment microbes – responses at various levels of microbial community organization. *Environmental Pollution*. 152: 576-584.
17. Yu Li, X., Chao Mao, Z., Hu Wang, Y.,Xing Wu, Y., Qiu He, Y., Lin Long, C. (2012). ESI LC-MS and MS/MS Characterization of Antifungal Cyclic Lipopeptides Produced by *Bacillus subtilis* XF-1. *Mol Microbiol Biotechnol*. 22:83–93.
18. Yu, Y., Streubel, J.,  Balzergue, S., Champion, A.,  Boch, J., Koebnik, R.,  Feng, J., Verdier, V.,  Szurek, B. (2011). Colonization of Rice Leaf Blades by an African Strain of *Xanthomonas oryzae* pv. *oryzae*Depends on a New TAL Effector That Induces the Rice Nodulin-3 *Os11N3* Gene. *Molecular plant microbe-interaction*. 24 : 1102-1113.