

## BIBLIOGRAFIA DI RIFERIMENTO

### **Bibliografia a cura del Servizio Indicatori e Tossicologia Ambientale**

Andow D., "Monitoring for early detection of resistance", 2000, for WHO Seminar "Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?", 25 pp., World Health Organisation, Regional Office for Europe, Roma.

APHIS\_USDA's Animal and Plant Health Inspection Service & AIBS\_American Institute of Biological Sciences, April 1995, "USDA-APHIS Workshop Transgenic Virus-Resistant Plants and New Plant Viruses", Working Papers.

Avery O.T., Macleod C.M., McCarthy M., 1944, "Studies on the chemical nature of the substance inducing transformation of pneumococcal types", *J. Exp. Med.* 79, pp.137-158.

Baldoni R., Giardini L. (Coordinatori), "Coltivazioni Erbacee", Bologna, Patron Editore.

Baranger A., Chèvre A.M., Eber F., Renard M., 1995, "Effect of oilseed rape genotype on the spontaneous hybridization rate with a weedy species: an assessment of transgene dispersal", *Theor. Appl. Genet.* 91, pp. 956-963.

Bartsch D., Pohl-Orf M., 1996, "Ecological aspects of transgenic sugar beet: Transfer and expression of herbicide resistance in hybrids with wild beets", *Euphytica* 91, pp.55-58.

Bartsch D., Schmidt M., 1997, "Influence of sugar beet breeding on population of *Beta vulgaris* ssp. *maritima* in Italy", *Journal of Vegetation Science* Vol. 8, pp. 81-84.

Brown T.A., 1995, "Gene cloning. An introduction", 334 pp., Chapman & Hall London.

Chèvre A.M., Eber F., Baranger A., Kerlan M.C., Barret P., Vallee P., Renard M., 1996, "Interspecific gene flow as a component of risk assessment for transgenic Brassicas", *Acta Horticulturae* Vol. 407, pp. 169-179.

Chèvre A.M., Eber F., Baranger A., Renard M., 1997, "Gene flow from transgenic crops", *Nature* Vol. 389, p. 924.

Coe E.H.Jr., Neuffer M.G., Hoisington D.A., 1988, "The Genetics of Corn", pp. 81-258. In Sprague G.F.,

Dudley, J.W. (Eds). "Corn and Corn Improvement", third Edition, 986 pp., American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, Madison, Wisconsin.

Crawley M.J., Hails R.S., Rees M., Kohn D., Buxton J., June 1993, "Ecology of transgenic Oilseed Rape in Natural Habitats", *Nature* Vol. 363, pp. 620-623.

Dale P.J., Sheffer J.A., 1996, "Gene dispersal from transgenic crops", in Schmidt E.R., Hankeln (eds.) "Transgenic organisms and biosafety", Berlin, Springer Verlag..

Darmency H., 1994, "The Impact of Hybrids between Genetically Modified Crop Plants and their Related Species: Introgression and Weediness", *Molecular Ecology* Vol. 3, pp. 37-40.

DeAgostini Professionale, 2001, "ECODeA, Ambiente, Igene e Sanità, Sicurezza, Trasporti", CD-ROM, Roma, DeAgostini Giuridica.

Downey R.K., Bing D.J., 1990, "Biosafety of Transgenic Oilseed Crucifers" in "Workshop on Safeguards for Planned Introductions of Transgenic Oilseed Crucifers, Ithaca, NY, October 9, 1990", USDA-APHIS, Hyattsville, Maryland.

Droge M., Selbitschka W., 1998, "Horizontal gene transfer as a biosafety issue: a natural phenomenon of public concern", *J. Biotechnology* 64 (1), pp. 75-90.

Falk B.W., Bruening G., March 1994, "Will Transgenic Crops Generate New Viruses and New Diseases?", *Science* Vol. 263, pp. 1395-1396.

Gebhard F., Smalla K., 1999, "Monitoring field releases of genetically modified sugar beets for persistence of transgenic plant DNA and horizontal gene transfer", *FEMS Microbiol.* 28(3), pp. 261-272.

Gould F., March 2000, "Testing Bt Refuge Strategies in the Field", *Nature Biotechnology* Vol. 18, pp. 266-267.

Gould F., Anderson A., Jones A., Sumerford D., Heckel D.G., Lopez J., Micinski S., Leonard R., Laster M., April 1997, "Initial frequency of Alleles for resistance to *Bacillus thuringiensis* toxins in field populations of *Heliothis virescens*", *Agricultural Science* Vol 94, pp.3519-3523.

Ghosh H.P., Soll D., Khorana H.G., 1967, "Studies of polynucleotides; LXVII: Initiation of protein synthesis in vitro as studied by using ribopolynucleotides with repeating nucleotide sequences as messengers", *J. Mol. Biol.* 25, pp. 275.

Gressel J., 1999, "Tandem constructs: preventing the rise of superweeds", *Tibtech* 17, pp. 361-366.  
Hansen L.C., Obrycki J.J., 2000, "Field deposition of Bt transgenic corn pollen: lethal effects on the monarch butterfly", *Oecologia* DOI 10.1007/s004420000502.

Hilbeck A., "Review on non-bersaglio organisms and bt-plants", 2000, for WHO Seminar "Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?", 15 pp., World Health Organisation, Regional Office for Europe, Roma.

Jackson D.A., Symons R.H., Berg P., 1972, "Biochemical method for inserting new genetic information into DNA of simian virus 40: circular SV40 DNA molecules containing lambda phage genes and the galactose operon of *Escherichia coli*", *Proc. Natl. Acad. Sci.* 69, pp. 2904-2909, USA

Jacot Y., Jacot O. (Institut de botanique, Université de Neuchatel), 1994, "Application du génie génétique à l'agriculture: Evaluation des dangers pour la flore Suisse", Cahier de l'Environnement N° 235, Organismes, Berne, Office Fédéral de l'environnement, des forêts et du paysage (OFEFP).

Jemison J., Vayda M., 2000, "Pollen transport from genetically engineered corn to forage corn hybrids: A case study". Abstract presented to the "Maine Agricultural Trade Show", January 2000.

Johnson B., Hope A., March 2000, "GM Crops and Equivocal Environmental Benefits", *Nature Biotechnology* Vol. 18, pp. 242.

Kaeppli O., Auberson L., 1998, "How Safe is Safe Enough in Plant Genetic Engineering?", *Trends in Plant Science*, Vol. 3 n° 7, pp. 276-281.

Kareiva P., Morris W., Jacobi C.M., 1994, "Studying and Managing the Risk of Cross-Fertilisation between Transgenic Crops and Wild Relatives", *Molecular Ecology* Vol 3, pp. 15-21.

Linder C.R., Schmitt J., 1995, "Potential Persistence of Escaped Transgenes: Performance of transgenic Oil-Modified Brassica Seeds and Seedlings", *Ecological Application* Vol. 5, pp. 1056-1068.

Losey J.E., Raynor L.S., Carter M.E., 1999, "Transgenic pollen harms monarch larvae", *Nature* Vol. 380 p. 214.

- McCartney H.A., Lacey M.E., 1991, "Wind dispersal models of pollen from crops of oilseed rape (*Brassica napus* L.)", *J. Aerosol Sci.* 22, pp. 467-477.
- Mellon M., Rissler J. (Eds.), 1998, "Now or Never: Serious New Plants to Save a Natural Pest Control", Union of Concerned Scientists (UCS), 150pp., Cambridge, Massachusetts.
- Mikkelsen T.R., Andersen B., Jorgensen R.B., 1996, "The risk of Corp Transgene Spread", *Nature* Vol. 380, p. 31.
- Nielsen K.M., Bones A.M., Smalla K., Van Elsas J.D., June 1998, "Horizontal gene transfer from transgenic plants to terrestrial bacteria: a rare event?", *FEMS Microbiology Reviews* Vol. 22, Issue 2, pp. 79-103, Federation of European Microbiological Societies, by Elsevier Science B.V.
- Nirenberg M.W., Matthaei J.H., 1961, "The dependance of cell free protein synthesis in *E. coli* upon naturally occurring or synthetic polyribonucleotides", *Proc. Natl. Acad. Sci USA* 47, pp. 1588-1602.
- Nirenberg M.W., Leder P., 1964, "RNA codewords and protein systhesis", *Science* 145, pp. 1399-1407.
- OECD, 1997, "*Consensus Document On The Biology Of Brassica Napus L. (Oilseedrape)*", Series on Harmonization of Regulatory Oversight in Biotechnology n. 7, OCDE/GD(97)63.
- OECD, 2000, "*Consensus document on the biology of Glycine max (L.) Merr. (soybean)*", Series on harmonization of Regulatory Oversight in Biotechnology n. 15.
- Office Fédéral de l'Environnement del Forets et du Paysage (OFEFP) (ed.), 1996, "Introduction de plantes cultivées tolérantes aux herbicides en Suisse", *Cahier de l'Environnement* n. 279, Berne.
- Paget E. et al., 1998, "The fate of recombinant plant DNA in soil", *Eur. J. Soil Biol.* 34(2), pp. 81-88.
- Paoletti M., Pimentel D., 1996, "Genetic Engineering in Agriculture and the Environment. Assessing risk and benefits", *BioScience* Vol. 46, pp. 665-671.
- Poppy G., 2000, "GM Crops: Environmental Risks and Non-Bersaglio Effects", *Trends in Plant Science* Vol. 5 (1), pp. 4-6.
- Power A., "*Environmental risks of Crops with Transgenic Virus-Resistance*", 2000, for WHO Seminar "Release of Genetically Modified Organisms in the Environment: is ita Health Hazard?", 12 pp., World Health Organisation, Regional Office for Europe, Roma.
- Raynor G.S., Ogden E.C., Hayes J.V., 1972, "Dispersion and deposition of corn pollen from experimental sources", *Agron. J.* 64, pp. 420-427.
- Rick C.M., 1976, "*Tomato (family Solanaceae)*", in Simmonds N.W. (ed.) "Evolution of Crop Plants", pp. 268-273, New York, Longman Publications.
- Sala F., Ottobre 2000, "Biotecnologie vegetali: tra rifiuto e accettazione", *Le Scienze* n. 386.
- Sala F., "*Safety considerations when planning constructing and developing GM plants*", 2000, for WHO Seminar "Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?", 11 pp., World Health Organisation, Regional Office for Europe, Roma.
- Saxena D., Flores S., Stotzky G., December 1999, "Insecticidal Toxin in root Exudates from Bt Corn", *Nature* Vol 402, p. 480.
- Scheffler J.A., Dale P.J., 1994, "Opportunities for gene transfer and origin of crop Brassicas, a review", *Opera Bot.* 55, pp. 3-57.
- Schubbert R., Renz D., Schmitz B., Doerfler W., February 1997, "Foreign (M13) DNA ingested by mice reaches peripheral leukocytcs. spleen. and liver via the intestinal wall mucosa and can be covalently

linked to mouse DNA”, *Medical Science* Vol94, pp. 961-966.

Schuler T., 2000, “*Impact of GM plants on non bersaglio arthropod fauna*”, for WHO Seminar “Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?”, 7 pp., World Health Organisation, Regional Office for Europe, Roma.

Scott S.E., Wilkinson M.J., 1999, “Low probability of chloroplast movement from oilseed rape (*Brassica napus*) into wild *Brassica rapa*”, *Nat. Biotechnology* Vol 17 (4), pp. 390-392.

Shelton A.M., Tang J.D., Roush R.T., Matz T.D., Earle E.D., 2000, “Field Tests on Managing Resistance to Bt-Engineered Plants”, *Nature Biotechnology* Vol. 18, pp. 339-342.

Snow A.A., Palma P.M., 1997, “Commercialisation of Transgenic Plants: Potential Ecological Risks”, *BioScience* Vol. 47 pp. 86-96.

Smalla K., 2000, “*Horizontal transfer of antibiotic resistance genes from transgenic plants bacteria - are there new data to fuel the debate?*”, for WHO Seminar “Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?”, 13 pp., World Health Organisation, Regional Office for Europe, Roma.

Sorlini C., 2000 “*Transgene fate in the gastro-intestinal tract and in the environment*” for WHO Seminar “Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?”, 13 pp., World Health Organisation, Regional Office for Europe, Roma.

Stevens M., Rick C.M., 1986, “*Genetics and breeding*”, in Atherton J., Rudich G. (eds.), “The Tomato Crop. A Scientific Basis for Improvement”, pp. 35-109, Chapman and Hall, New York.

Tabashnik B.E., Patin A.L., Dennehy T.J., Liu Y.B., Cariere Y., Simis M.A., Antilla L., November 2000, “Frequency of resistance to *Bacillus thuringiensis* in field populations of pink bollworm”, *Agricultural Science* Vol. 97 (24), pp. 12980-12984.

Taylor I.B., 1986, “*Biosystematics of the Tomato*”, in Atherton J., Rudich G. (eds.), “The Tomato Crop. A Scientific Basis for Improvement”, pp. 1-34, Chapman and Hall, New York.

Tepfer M., 1993, “Viral genes and transgenic plants: what are the potential environmental risks?”, *Biotechnology* 11, pp. 1125-1132.

Testolin R., 2000, “*Biotechnologie a occhi aperti*”, dip. Produzione vegetale e Tecnologie Agrarie, Università di Udine.

Traynor P.L., Westwood J.H. (Eds.), 1999, “*Proceedings of a Workshop on: Ecological Effects of Pest Resistance Genes in Managed Ecosystems. January 31 - February 3, 1999 Bethesda, Maryland.*”, 131 pp., Information System for Biotechnology, Blacksburg VA.

Van Geyt J.P.C., Lange W., Oleo M., De Bock Th.S.M., 1990, “Natural variation within the genus *Beta* and its possible use for breeding sugar beet: A review”, *Euphytica* 49, pp. 57–76.

Yoder J.I., Goldsbrough A.P., 1994, “Transformation systems for generating markerfree transgenic plants”, *Biotechnology* 12, pp. 263-267.

Watkinson A.R., Freckleton R.P., Robinson R.A., Sutherland W.J., 2000, “Predictions of Biodiversity Response to Genetically Modified Herbicide-Tolerant Crops”, *Science* Vol. 289, pp. 1554-1557.

Watson J.D., Crick F.H.C., 1953, “General implications of the structure of deoxyribonucleic acid”, *Nature* 171, pp. 964-967.

Wolfenbarber L.L., Phifer P.R., 2000. “The Ecological Risks and Benefits of Genetically Engineered

Plants”, *Science* Vol. 290, pp. 2088-2093.

Wright C.L., Zangerl A.R., Carroll M.J., Berenbaum M.R., June 2000, “Absence of Toxicity of *Bacillus thuringiensis* Pollen to Black Swallowtails under field conditions”, *Agricultural Sciences* Vol. 97 (14), pp. 7700-7703.

Zaenen I., Van Larebeke N., Teuchy H., Van Montagu M., Schell J., 1974, “Supercoiled circular DNA in crown gall-inducing *Agrobacterium* strain”, *J. Mol. Biol.* 86, p.109.

### **Bibliografia a cura della Dr.ssa E. Lupotto**

#### Testi di base di Genetica e di Biologia della Riproduzione

Bianchi A, C. Lorenzoni, F. Salamini (Eds.), 1989. *Genetica dei Cereali*. Edagricole, Bologna.

McDonald MB, Copeland LO, 1997. *Seed production: principles and practices*. Chapman and Hall, New York

Freeling M., Walbot V. (Eds.) 1996. *The Maize Handbook*. Springer – Verlag Berlin, New York.  
Aldrich SR, Scott WO, Hoefft RG (Eds.) III Edition. *Modern Corn Production*. A&L Publications Inc., Station A, Champaign, Illinois, USA

Iowa State Univ. Of science and technology, Coop. Exte. Service, Ames, Iowa (USA) *How a corn plant develops*. Special Report n.48

Noldin JA, Chandler JM, McCauley GN, 1999. *Red rice (Oryza sativa) biology. I. Characterization of red rice ecotypes*. *Weed Technology* 13: 12-18

Oka HI, 1988. *Origin of cultivated rice*. Elsevier and Japan Soc Press, Amsterdam and Tokyo.  
Yoshida S, 1981. *Fundamentals of Rice Crop Science*. The Intern. Rice Res. Institute, Manila (Philippines)

#### Bibliografia di base – flusso genico GM vs non-GM

Doebley J, 1990. *Molecular Evidence for Gene Flow among Zea Species - Genes Transformed into Maize through Genetic-Engineering Could Be Transferred to Its Wild Relatives, the Teosintes*. *Bioscience* 40: 443-448.

Ellstrand LC, Prentice HC, Hancock JF, 1999. *Gene flow and introgression from domesticated plants into their wild relatives*. *Ann Rev Ecol Systems* 30: 539-563

Garcia M, Figueroa J, Gomez R, Townsend R, Schoper J, 1998. *Pollen control during transgenic hybrid maize development in Mexico*. *Crop Sci* 38: 1597-1602.

Khush GS, 1993. *Floral structure, pollination biology, breeding behaviour, transfer distance and isolation considerations*. World Bank Technical Paper, Biotechnology Series N.1, Rice Biosafety. The Rockefeller Foundation.

Messeguer J, Fogher C, Guiderdoni E, Marfà V., Català MM, Baldi G, Melè E, 2001. *Field assessments of gene flow from transgenic to cultivated rice (Oryza sativa L.) using a herbicide resistant gene as tracer marker*. *Theor Appl Genet* 103: 1151-1159

Messeguer J, 2003. *Gene flow assessment in transgenic plants*. *Plant Cell Tissue and Organ Culture* 73: 201-212.

Messeguer J, Marfà V, Català MM, Guiderdoni E, Melè E, 2004. *A field study of pollen-mediated gene flow from Mediterranean GM rice to conventional rice and the red rice weed (Oryza sativa L.) using a herbicide resistant gene as tracer marker*. *Molecular Breed* 13: 103-112

Morris WF, Kareiva PM, Raymer PL, 1994. *Do Barren Zones and Pollen Traps Reduce Gene Escape from Transgenic Crops*. *Ecol Appl* 4: 157-165.

Oard JH, Linscombe SD, Braverman MP, Jodari F, Blouin DC, Leech M, Kholi A, Vain P, Cooley JC, Christou P, 1996. *Development, field evaluation, and agronomic performance of transgenic herbicide resistant rice*. Mol Breeding 2: 359-368

Oard JH, Cohn MA, Linscombe SD, Gealy D, Gravois K, 2000. *Field evaluation of seed production, shattering and dormancy in hybrid populations of transgenic rice (Oryza sativa) and the weed red rice (Oryza sativa)*. Plant Science 157: 12-22.

Soboleva TK, Shorten PR, Pleasants AB, Rae AL, 2003. *Qualitative theory of the spread of a new gene into a resident population*. Ecological Modelling 163: 33-44.

Song ZP, Lu R, Zhu YG, Chen JK, 2003. *Gene flow from cultivated rice to the wild species Oryza rufipogon under experimental field conditions*. New Phytologist 157: 657-665.

Zhang NY, Linscombe S, Oard J, 2003. *Out-crossing frequency and genetic analysis of hybrids between transgenic glufosinate herbicide-resistant rice and the weed, red rice*. Euphytica 130: 35-45.

### **Bibliografia a cura della Dr.ssa C. Sorlini**

Anderson J.D. (1975). Factors that may prevent transfer of antibiotic resistance between Gram-negative bacteria in the gut. *J. Med. Microbiol.* 8, 83-88.

Assad, F.F. e Signer, E.R. (1990) Cauliflower mosaic virus P35S promoter activity in *Escherichia coli*. Mol. Gen. Genet. 223, 517-520.

Bertolla, F. e Simonet, P. (1999) Horizontal gene transfer in the environment: natural transformation as a putative process for gene transfer between transgenic plants and microorganisms. Res. Microbiol. 150, 375-384.

Brockmann. E., Jacobsen B.L., Hertel C., Ludwig W., Schleifer K.H. (1996). Monitoring of genetically modified *Lactococcus lactis* in gnotobiotic and conventional rats using antibiotic resistance markers and specific probe or primer based methods. *System. Appl. Microbiol.* 19, 203-212.

Burt S.J., Woods D.R. (1976). R factor transfer to obligate anaerobes from *Escherichia coli*. *J. Gen. Microbiol.* 93, 405-409.

Carlson, T.A. e Chelm, B.K. (1986) Apparent eukariotic origin of glutamine synthetase II from the bacterium *Bradyrhizobium japonicum*. Nature, 322, 568-570.

Ceccherini, M. T., Poté, J., Kay, E., Tran Van, V., Maréchal J., Pietramellara, G., Nannipieri G., Vogel, T. M. e Simonet P. (2003) Degradation and Transformability of DNA from Transgenic Leaves. Appl. Envir. Microbiol. 69, 673-678.

Chiter A., Forbes J.M., Blair G.E. (2000). DNA stability in plant tissues: implications for the possible transfer of genes from genetically modified food. *FEBS Letters* 481, 164-168.

Daffonchio D., Borin S., Rizzi A., Succi G., Tamburini A., Sorlini C. (2004). Impiego del mais transgenico nell'alimentazione animale e impatto sulla microflora. In Biodiversità e OGM (in corso di stampa).

Daniel, H., Datta, R., Varma, S., Gray, S. e Lee, S.B. (1998) Containment of herbicide resistance through genetic engineering of the chloroplast genome. Nature Biotechnol. 16, 345-348.

De Vries, J. e Wackernagel, W. (1998) Detection of *nptII* (kanamycin resistance) genes in genomes of transgenic plants by marker-rescue transformation. Mol. Gen. Genetic. 257, 606-613.

Duggan P. S., Chambers P.A., Heritage J., Forbes J.M. (2000). Survival of free DNA encoding antibiotic resistance from transgenic maize and the transformation activity of DNA in ovine rumen fluid and

silage effluent. *FEMS Microbiology Letters* 191, 71-77.

Duval-Iflah Y., Raibaud P., Tancrede C., Rousseau M. (1980). R-plasmid transfer from *Serratia liquefaciens* to *Escherichia coli* in vitro and in vivo in the digestive tract of gnotobiotic mice associated with human fecal flora. *Infection and Immunity* 28, 981-990.

Duval-Iflah Y., Gainche I., Ouriet M.F., Lett M.-C., Hubert J.-C. (1994) Recombinant DNA transfer to *Escherichia coli* of human fecal origin in vitro and in digestive tract of gnotobiotic mice. *FEMS Microbiol. Ecol.* 15, 79-89.

Falk, B.W. e Bruening, G. (1994) Will transgenic crops generate new viruses and new disease? *Science*, 263, 1395-1396.

Flint H.J., Thomson A.M., Bisset J. (1988). Plasmid-associated transfer of tetracycline resistance in *Bacteroides rumenicola*. *Appl. Environ. Microbiol.* 54, 855-860.

Freter R., Freter R.R., Brickner H. (1983). Experimental and mathematical models of *Escherichia coli* plasmid transfer in vitro and in vivo. *Infection and Immunity* 39, 60-84.

Froman, B.E., Tait, R.C. e Gottlieb, L.D. (1989) Isolation and characterisation of the phosphoglucose isomerase gene from *Escherichia coli*. *Mol. Gen. Genet.* 217, 126-131.

Gallori, E., Bazzicalupo, M, DalCanto, L., Nannipieri, P., Vettori, C. e Stozky, G. (1994) Transformation of *Bacillus subtilis* by DNA bound on clay in non-sterile soil. *FEMS Microbiol. Ecol.* 15, 119-126.

Gasson, M.J. e Fitzgerald, G.F. (1994) Gene transfer systems and transposition. In: "Genetics and biotechnology of lactic acid bacteria" . Gasson, M.J. e de Vos, W.M. eds. pp. 1-44. Blackie Academic and Professional, Glasgow, UK.

Gebhard, F. e Smalla K. (1999) Monitoring field releases of genetically modified sugar beets for persistence of transgenic plant DNA and horizontal gene transfer. *FEMS Microbiol. Lett.* 28, 261-272.

Gebhard, F. e Smalla, K. (1998) Transformation of *Acinetobacter* sp. strain BD413 by transgenic sugar beet DNA. *Appl. Environ. Microbiol.* 64, 1550-1554.

Greene, A.E. e Allison, R.F. (1994) Recombination between viral RNA and transgenic plant transcripts. *Science* 263, 1423-1425.

Gruzza M., Duval-Iflah Y., Ducluzeau R., (1990). In vivo establishment of genetically engineered lactococci in gnotobiotic mice; plasmid transfer to *Enterococcus faecalis*. *Microecology and Therapy* 20, 465-468.

Gruzza M., Foons M., Ouriet M.F., Duval-Iflah Y., Duclouzot R. (1994). Study of gene transfer in vitro and in the digestive tract of gnotobiotic mice from *Lactococcus lactis* strains to various strains belonging to human intestinal flora. *Microb. Releases* 2, 183-189.

Hoffmann, T., Golz, C. e Schieder, O. (1994) Foreign DNA sequences are received by a wild-type strain of *Aspergillus niger* after co-culture with transgenic higher plants. *Curr. Genet.* 27, 70-76.

Hohlweg U., Doerfler W. (2001). On the fate of plant or other foreign genes upon the uptake in food or after intramuscular injection in mice. *Mol. Genet Genomics* 265, 225-233.

Huges, V.M. e Datta, N. (1983) Conjugative plasmids in bacteria in the "pre-antibiotic" era. *Nature* 302, 725-726.

Igimi S., Ryu C.H., Park S.H., Sasaki Y., Sasaki T., Kumagai S. (1996). Transfer of conjugative plasmid pAM?1 from *Lactococcus lactis* to mouse intestinal bacteria. *Lett. Appl. Microbiol.* 23, 31-35.

Jonecová Z., Mareková M., Kmet V. (1994). Conjugative transfer of tetracycline resistance in rumen streptococcal strains. *Folia Microbiologica* 39, 83-86.

- Kay, E., Vogel, T. M., Bertolla, F., Nalin, R., e Simonet, P. (2002) *In Situ* transfer of antibiotic resistance genes from transgenic (transplastomic) tobacco plants to bacteria. *Appl. Envir. Microbiol.* 68, 3345-3351.
- Khanna, M. e Stozky, G. (1992) Transformation of *Bacillus subtilis* by DNA bound on montmorillonite and effect of DNase on the availability of bound DNA. *Appl. Environm. Microbiol.* 58, 1930-1939.
- Klieve A., Hudman J.F., Bauchop T. (1989). Inducible bacteriophages from ruminal bacteria. *Appl. and Environ. Microbiol.* 55, 1630-1634.
- Klijn N., Weerkamp A.H., De Vos W. (1995). Genetic marking of *Lactococcus lactis* shows
- Koncz, C., Mayerhofer, R., Koncz.Kalman, Z., Nawrath, C., Reiss, B., Redei, G.P. e Schell, J. (1990) Isolation of a gene encoding a novel protein by T-DNA tagging in *Arabidopsis thaliana*. *The EMBO J.* 9, 1337-1346.
- Licht T.R., Christensen B.B., Krogfelt K.A., Molin S. (1999). Plasmid transfer in the animal intestine and other dynamic bacterial populations: the role of community structure and environment. *Microbiology* 145, 2615-2622.
- Lorenz, M.G. e Wackernagel, W. (1994) Bacterial gene transfer by genetic transformation in the environment. *Microbiol. Rev.* 58 (3) 563-602.
- Marsch, P. e Wellington, E.M.H. (1994) Phage-host interactions in soil. *FEMS Microbiol. Ecol.* 15, 99-108.
- Maynard Smith, J., Dowson, C.G. e Spratt, B.G. (1991) Localized sex in bacteria. *Nature* 349, 29-31.
- Mazodier, P. e Davies, J. (1991) Gene transfer between distantly related bacteria. *Annu. Rev. Genet.* 25, 147-171.
- Morrison M. (1996). Do ruminal bacteria exchange genetic material? *J.Dairy Sci.* 79, 1476-1486.
- Morrison, M. (1996) Do ruminal bacteria exchange genetic material? *J. Dairy Sci.* 79, 1476-1486.
- Nielsen, K.M. (1998) Barriers to horizontal gene transformation in soil bacteria. *APMIS Suppl.* 84, 106, 77-84.
- Nielsen, K.M., Bones, A.M. e van Elsas, J.D. (1997a) Induced natural transformation of *Acinetobacter calcoaceticus* in soil microcosms. *Appl. Environm. Microbiol.* 63, 3972-3977.
- Nielsen, K.M., Bones, A.M., Smalla, K. e van Elsas, J.D. (1998) Horizontal gene transfer from transgenic plants to terrestrial bacteria – a rare event? *FEMS Microbiol. Rev.* 22, 79-103.
- Nielsen, K.M., Gebhard, F., Smalla, K., Bones, A.M. e van Elsas, J.D. (1997b) Evaluation of possible horizontal gene transfer from transgenic plants to the soil bacterium *Acinetobacter calcoaceticus* BD413. *Theor. Appl. Genet.* 95, 815-821.
- Nielsen, K.M., Smalla, K. e van Elsas, J.D. (2000a) Natural transformation of *Acinetobacter* sp. Strain BD413 with cell lysates of *Acinetobacter* sp., *Pseudomonas fluorescens*, and *Burkholderia cepacia* in soil microcosms. *Appl. Environm. Microbiol.* 66, 206-212.
- Nielsen, K.M., van Elsas, J.D. e Smalla, K. (2000b) Transformation of *Acinetobacter* sp. Strain BD413 (pFG4DnptII) with transgenic plant DNA in soil microcosms and effects of kanamycin on selection of transformants. *Appl. Environm. Microbiol.* 66, 1237-1242.
- Nikolich M.P., Hono G., Shoemaker N.B., Salvers A.A. (1994). Evidence for natural horizontal transfer



of *tetQ* between bacteria that normally colonize humans and bacteria that normally colonize livestock. *Appl. Environ. Microbiol.* 60, 3255-3260.

Ochman H., Lawrence J.G., Groisman E.A. (2000). Lateral gene transfer and the nature of bacterial innovation. *Nature* 405, 299-304.

Paget, E. e Simonet, P. (1994) On the track of natural transformation in soil. *FEMS Ecol.* 15, 109-118.

Palka-Santini M., Schwarz-Herzke B., Hosel M., Renz M., Auerochs S., Brondke H., Doerfler W. (2003). The gastrointestinal tract as the portal of entry for foreign macromolecules: fate of DNA and proteins. *Mol. Gen. Genomics* . Published on line 23 August 2003.

Palmen, R. e Hellingwerf, K.J. (1997) Uptake and processing of DNA by *Acinetobacter calcoaceticus* – a review. *Gene* 192, 179-190.

Palys, T., Nakamura, L.K. e Cohan, F.M. (1997) Discovery and classification of ecological diversity in the bacterial world: the role of DNA sequence data. *Int. J. Syst. Bacteriol.* 47, 1145-1156.

Pukall, R., Tschäpe, H. e Smalla, K. (1996) Monitoring the spread of broad host range plasmids in soil microcosms. *FEMS Microbiol. Ecol.* 20, 53-66.

Recchia, G.D. e Hall, R.M. (1995) Gene cassettes: a new class of mobile element. *Microbiology* 141, 3015-3027.

Rizzi A., Agosti F., Daffonchio D., Sorlini C. (2001). Detection of genetically modified Bt-maize in cooked food products by PCR. *Ital. J. Food Sci.* 13, 265-273.

Rizzi A., Panebianco L., Giaccu D., Sorlini C., Daffonchio D. (2003). Stability and recovery of maize DNA during food processing. *Ital. J. Food* 15, 499-510.

Roberts A.P., Pratten J., Wilson M., Mullany P. (1999). Transfer of a conjugative transposon, Tn5397 in a model oral biofilm. *FEMS Microbiol. Lett.* 177, 63-66.

Salyers, A. (1993) Gene transfer in the mammalian intestinal tract. *Curr. Opin. Biotechnol.* 4, 294-298.

Salyers, A. (1996) The real threat from antibiotics. *Nature* 384, 304.

Schäfer, A., Kalinowski, J. e Püler, A. (1994) Increased fertility of *Corynebacterium glutamicum* recipients in intergeneric matings with *Escherichia coli* after stress exposure. *Appl. Environm. Microbiol.* 60, 756-759.

Schubbert R., Gerhardt U., Renz D., Doerfler W. (1998). On the fate of food-ingested foreign DNA in mice chromosomal association and placental transmission to the fetus. *Mol. Gen. Genet.*

Schubbert R., Renz D., Schmitz B., Doerfler W. (1997). Foreign (m13) DNA ingested by mice reaches peripheral leukocytes, spleen and liver via the intestinal wall mucosa and can be covalently linked to mouse DNA. *Proc. Natl. Acad. Sci. USA* 94, 961-966.

Scott K.P., Barbosa M., Forbes K.J., Flint H.J. (1997). High-frequency transfer of a naturally occurring chromosomal tetracycline resistance element in the ruminal anaerobe *Butyrivibrio fibrisolvens*. *Appl. Environ. Microbiol.* 63, 3405-3411.

Scott K.P., Flint H.J. (1995). Transfer of plasmids between strains of *Escherichia coli* under rumen conditions. *J. Appl. Bacteriol.* 78, 189-193.

Smalla, K., Krögerrecklenfort, E., Heuer, H., Dejonge, W., Top, E., Osborn, M., Niewint, J., Tebbe, C., Barr, M., Bailey, M., Greated, A., Thomas, C., Turner, S., Young, P., Nikolakopoulou, D., Karagouni, A., Wolters, A., Van Elsas, J.D., Drønen, K., Sandaa, R., Borin, S., Brabhu, J., Grohmann, E., e Sobeckv.

P. (2000) PCR-based detection of mobile genetic elements in total community DNA. *Microbiology* 146, 1256-1257.

Smalla, K., van Overbeek, L.S., Pukall, R. e van Elsas, J.D. (1993) Prevalence of *nptII* and Tn5 in kanamycin-resistant bacteria from different environments. *FEMS Microbiol. Ecol.* 13, 47-58.

Sorlini C. (2000). Transgene fate in the gastro-intestinal tract and in the environment WHO – Seminar “Release of Genetically Modified Organisms in the Environment: is it a Health Hazard?”. Rome, Italy, 7-9 September.

Souza, V. e Eguarte, L.E. (1997) Bacteria gone native vs. bacteria gone away: plasmidic transfer and bacteria evolution. *Proc. Natl. Acad. Sci. USA* 94, 5501-5503.

Thimm, T., Hoffmann, A., Borkott, H., Munch, J.C. e Tebbe, C. (1998) The gut of the soil microarthropod *Folsomia candida* (Collembola) is a frequently changeable but selective habitat and a vector for micro-organisms. *Appl. Environm. Microbiol.* 64, 2660-2669.

Thomson J.A. (2001). Horizontal transfer of DNA from GM crops to bacteria and mammalian cells. *Journal of Food Science* 66(2), 188-193.

Tschäpe, H. (1994) The spread of plasmids as a function of bacterial adaptability. *FEMS Microbiol. Ecol.* 15, 23-32.

Van Elsas, J.D., Trevors, J. e Starodub, M.E. (1988) Bacterial conjugation between *Pseudomonads* in the rhizosphere of wheat. *FEMS Microbiol. Ecol.* 53, 299-306.

Von Wintzingerode, F., Göbel, U.B. e Stackebrandt, E. (1997) Determination of microbial diversity in environmental samples: pitfalls of PCR-based rRNA analysis. *FEMS Microbiol. Rev.* 21, 213-229.

Vulic, M., Dionisio, F., Taddei, F. e Radman, M. (1997) Molecular keys to speciation: DNA polymorphism and the control of genetic exchange in enterobacteria. *Proc. Natl. Acad. Sci. USA* 94, 9763-9767.

Wagner J., Hahn H. (1999). Zunahme bakterieller Resistenz in der Humanmedizin durch Resistenzgenen von Bakterien fleischliefernder Tiere? *Berl. Münch. Tierärztl. Wschr.* 112, 380-384.

Wakabayashi, S., Matsubara, H. e Webster, D.A. (1986) Primary sequence of a dimeric bacterial haemoglobin from *Vitreoscilla*. *Nature*, 322, 481-483.

Yuan, R. (1981) Structure and mechanism of multifunctional restriction endonucleases. *Ann. Rev. Biochem.* 50, 285-315.

### **Bibliografia a cura del Dr. Salvatore Arpaia**

Andow, D.A. and Hilbeck, A. 2004. Science-based risk assessment for non-target effects of transgenic crops. *BioScience* 54, 637-649.

Arpaia, S. 2004. Workshop report - Monitoring/Bioindicators. *IOBC-wprs Bulletin*, 27(3): 205-208

Arpaia, S., G.M. Di Leo, M.C. Fiore. Bumble bees (*Bombus terrestris*) preferentially foraged on control over transgenic canola (*Brassica napus* L.) plants in glasshouse cultivation. Submitted.

Dutton, A., Romeis, J. and Bigler, F. 2003. Assessing the risks of insect resistant transgenic plants on entomophagous arthropods: Bt-maize expressing Cry1Ab as a case study. *BioControl* 48, 611-636.

Fiore, M.C., M. Scardi, A. Clemente, J.U. Schmidt & S. Arpaia, 2004. Valutazione della biodiversità dell'entomofauna in campi transgenici Bt con metodi di analisi multivariata. *Atti XIX Congr. Naz. Ital. Ent.*, 205-213

Hilbeck, A. & Andow, D [eds.] 2004. Environmental Risk Assessment of Genetically Modified Organisms, Volume 1: A Case Study of Bt Maize in Kenya, 281 pp. CABI Publishing, Wallingford, UK.

Hilbeck, A. & Andow, D [eds.]. Environmental Risk Assessment of Genetically Modified Organisms, Volume 2: A Case Study of Bt Cotton in Brazil, CABI Publishing, Wallingford, UK. In press.

Hill, R.A. and Sendashonga, C. 2003. General principles for risk assessment of living modified organisms: Lessons from chemical risk assessment. Environmental Biosafety Research 2 (2), 81-88.

James, C. 2004. Preview: Global Status of Commercialized Biotech/GM Crops: 2004. ISAAA Briefs No. 32. ISAAA: Ithaca, NY.

Lovei, G. L., S Arpaia 2005. The impact of transgenic plants on natural enemies: a critical review of laboratory studies. Entomologia Experimentalis et Applicata, 114(1): 1-14

Marvier, M. (2002) Improving risk assessment for nontarget safety of transgenic crops. Ecological Applications 12(4), 1119-1124.

Moreira de Almeida, JR, Rosati, C. Arpaia, S. Molecular Detection of *Myzus persicae* (Homoptera: Aphididae) DNA in the Predator *Macrolophus caliginosus* (Hemiptera: Miridae) Using Real-Time PCR. Submitted

NRC (2002) Environmental effects of transgenic plants: the scope and adequacy of regulation. National Academy Press, Washington DC, USA.

#### **Bibliografia a cura della Prof.ssa Manuela Giovannetti**

Giovannetti M. 2003. *The ecological risks of transgenic plants*. Biology Forum, 96: 207-224.

Giovannetti M., Avio L. 2002. *Biotechnology of Arbuscular Mycorrhizas*. In APPLIED MYCOLOGY AND BIOTECHNOLOGY, Vol. 2 Agriculture and Food Production, Khachatourians G. G. & Arora D. K. (Eds), 275-310.

Giovannetti M., Mosse B. 1980. *An evaluation of techniques for measuring vesicular-arbuscular mycorrhizal infection in roots*. New Phytologist 84: 489-500.

Giovannetti M., Sbrana C., Avio L., Citernes A.S., Logi, C. 1993a. *Differential hyphal morphogenesis in arbuscular mycorrhizal fungi during pre-infection stages*. New Phytologist 125: 587-594.

Giovannetti M., Avio L., Sbrana C., Citernes A.S. 1993b. *Factors affecting appressorium development in the vesicular- arbuscular mycorrhizal fungus Glomus mosseae (Nicol. & Gerd.) Gerd. & Trappe*. New Phytologist 123:114-122.

Smith S.E., Read D.J. 1997. *Mycorrhizal symbiosis*. London, UK: Academic Press.

Saxena D, Flores S, Stotzky G. 1999. *Insecticidal toxin in root exudates from Bt corn*. Nature 402: 480.

Turrini, A., C. Sbrana, L. Pitto, M. Ruffini Castiglione, L. Giorgetti, R. Briganti, T. Bracci, M. Evangelista,

M. P. Nuti and M. Giovannetti 2004a. *The Antifungal Dm-AMP1 Protein from Dahlia merckii Lehm. Expressed in Solanum melongena L. is Released in Root Exudates and differentially Affects Pathogenic Fungi and Mycorrhizal Symbiosis*. New Phytologist 163: 393-403.

Turrini, A., C. Sbrana, M. P. Nuti and M. Giovannetti 2004b. *Development of a Model System to Assess the Impact of Genetically Modified Corn and Aubergine Plants on Arbuscular Mycorrhizal Fungi*. Plant and Soil 266: 69-75.

#### **Bibliografia a cura del Dr. Daniele Daffonchio**

Ahrenholtz et al., 2000. Increased Killing of *Bacillus subtilis* on the hair roots of transgenic T4 lysozyme-producing potatoes. Appl. Environ. Microbiol. 66:1862-1865.

- Brusetti L., Francia P., Bertolini C., Pagliuca A., Borin S., Sorlini C., Abruzzese A., Sacchi G., Viti C., Giovannetti L., Giuntini E., Bazzicalupo M., Daffonchio D. 2004. Bacterial communities associated with the rhizosphere of transgenic Bt 176 maize (*Zea mays*) and its non transgenic counterpart. *Plant and Soil*, 266:11-21.
- Cardinale M., Brusetti L., Quatrini P., Borin S., Puglia A.M., Rizzi A., Zanardini E., Sorlini C., Corselli C., Daffonchio D. 2004. Comparison of different primer sets for the automated ribosomal intergenic spacer analysis (ARISA) of complex bacterial communities. *Applied and Environmental Microbiology*, 70:6147-6156. *IF 2003: 3,820*
- Ceccherini et al., 2003. Degradation and Transformability of DNA from transgenic leaves. *Appl. Environ Microbiol.* 69:673-678.
- Daffonchio D, Cherif A and Borin S 2000 Homoduplex and heteroduplex polymorphisms of the amplified ribosomal 16S-23S internal transcribed spacers describe genetic relationships in the "*Bacillus cereus* group". *Appl. Environ. Microbiol.* 66, 5460-5468.
- Di Giovanni G D, Watrud L S, Seidler R J and Widmer F 1999 Comparison of parental and transgenic alfalfa rhizosphere bacterial communities using Biolog GN metabolic fingerprinting and enterobacterial repetitive intergenic consensus sequence-PCR (ERIC-PCR). *Microb. Ecol.* 37, 129-139.
- Dong et al., 2001. Quenching quorum-sensing-dependent bacterial infection by an N-acyl homoserine lactonase. *Nature* 411:813-817
- Dong et al., 2000. AiiA, an enzyme that inactivates the acylhomoserine lactone quorum-sensing signal and attenuates the virulence of *Erwinia carotovora*. *PNAS* 97:3526-3531.
- Dunfield K E and Germida J J 2001 Diversity of bacterial communities in the rhizosphere and root interior of field-grown genetically modified *Brassica napus*. *FEMS Microbiol. Ecol.* 38, 1-9.
- Fisher M M and Triplett E W 1999 Automated approach for ribosomal intergenic spacer analysis of microbial diversity and its application to freshwater bacterial communities. *Appl. Environ. Microbiol.* 65, 4630-4636.
- Gebhard e Smalla 2003. Transformation of *Acinetobacter* sp. Strain BD413 by Transgenic Sugar Beet DNA. *Appl. Environ Microbiol.* 64:1550-1554.
- Gyamfi S, Pfeifer U, Stierschneider M and Sessitsch A 2002 Effects of transgenic glufosinate-tolerant oilseed rape (*Brassica napus*) and the associated herbicide application on eubacterial and *Pseudomonas* communities in the rhizosphere. *FEMS Microbiol. Ecol.* 41, 181-190.
- Heuer H, Kroppenstedt R M, Lottmann J, Berg G and Smalla K 2002 Effects of T4 lysozyme release from transgenic potato roots on bacterial rhizosphere communities are negligible relative to natural factors. *Appl. Environ. Microbiol.* 68, 1325-1335.
- Kay et al., 2002. In Situ Transfer of Antibiotic Resistance Genes from Transgenic (Transplastomic) Tobacco Plants to Bacteria. *Appl. Environ Microbiol.* 68:3345-335.
- Koskella J and Stotzky G 2002 Larvicidal toxins from *Bacillus thuringiensis* subsp. *kurstaki*, *morrisoni* (strain *tenebrionis*), and *israelensis* have no microbicidal or microbiostatic activity against selected bacteria, fungi, and algae in vitro. *Can. J. Microbiol.* 48, 262-267.
- Lee et al., 2002. Genes Encoding the N-Acyl Homoserine Lactone-Degrading Enzyme Are Widespread in Many Subspecies of *Bacillus thuringiensis*. *Appl. Environ. Microbiol.* 68:3919-3024.

- Lottmann J and Berg G 2001 Phenotypic and genotypic characterisation of antagonistic bacteria associated with roots of transgenic and non-transgenic potato plants. *Microbiol. Res.* 156, 75-82.
- Lottmann J, Heuer H, de Vries J, Mahn A, Düring K, Wackernagel W, Smalla K and Berg G 2000 Establishment of introduced antagonistic bacteria in the rhizosphere of transgenic potatoes and their effect on the bacterial community. *FEMS Microbiol. Ecol.* 33, 41-49.
- Lottmann J, Heuer H, Smalla K and Berg G 1999 Influence of transgenic T4-lysozyme-producing potato plants on potentially beneficial plant-associated bacteria. *FEMS Microbiol. Ecol.* 29, 365-377.
- Lukow T, Dunfield P F and Liesack W 2000 Use of the T-RFLP technique to assess spatial and temporal changes in the bacterial community structure within an agricultural soil planted with transgenic and non-transgenic potato plants. *FEMS Microbiol. Ecol.* 32, 241-247.
- Mansouri H, Petit A, Oger P and Dessaux Y 2002 Engineered rhizosphere: the trophic bias generated by opine-producing plants is independent of the opine type, the soil origin, and the plant species. *Appl. Environ. Microbiol.* 68, 2562-2566.
- Masoero F, Moschini M, Rossi F, Grandini A and Pietri A 1999 Nutritive value, mycotoxin contamination and *in vitro* rumen fermentation of normal and genetically modified corn (cry1A(B)) grown in Northern Italy. *Maydica* 44, 205-209.
- Oger P, Mansouri H and Dessaux Y 2000 Effect of crop rotation and soil cover on alteration of the soil microflora generated by the culture of transgenic plants producing opiens. *Mol. Ecol.* 9, 881-890.
- Oger P, Petit A and Dessaux Y 1997 Genetically engineered plants producing opiens alter their biological environment. *Nature Biotech.* 15, 369-372.
- Rizzi A., Agosti F., Daffonchio D., Sorlini C. 2001 Detection of genetically modified Bt-maize in cooked food products by PCR. *Italian Journal of Food Science*, 3, 265-273.
- Rizzi A., Panebianco L., Giaccu D., Sorlini C., Daffonchio D. 2003 Stability and recovery of maize DNA during food processing. *Italian Journal of Food Science*, 15, 499-510.
- Rizzi A., Sorlini C., Daffonchio D. 2004 Practicality of detection of genetically modified organisms (GMOs) in food. *AgBiotech Net*, 6, 1-9.
- Savka M A and Farrand S K 1997 Modification of rhizobacterial populations by engineering bacterium utilisation of a novel plant-produced resource. *Nature Biotech.* 15, 363-368.
- Saxena D and Stotzky G 2001 *Bt* corn has a higher lignin content than non-*Bt* corn. *Am. J. Botany* 88, 1704-1706.
- Saxena D and Stotzky G 2000 Insecticidal toxin from *Bacillus thuringiensis* is released from roots of transgenic *Bt* corn in vitro and in situ. *FEMS Microbiol. Ecol.* 33, 35-39.
- Saxena D and Stotzky G 2001 *Bacillus thuringiensis* (Bt) toxin released from root exudates and biomass of Bt corn has no apparent effect on earthworms, nematodes, protozoa, bacteria, and fungi in soil. *Soil Biol. Biochem.* 33, 1225-1230.
- Saxena D, Flores S and Stotzky G 1999 Insecticidal toxin in root exudates from Bt corn. *Nature* 402, 480.
- Saxena D, Flores S and Stotzky G 2002 Bt toxin is released in root exudates from 12 transgenic corn hybrids representing three transformation events. *Soil Biol. Biochem.* 34, 133-137.
- Schmalenberger A and Tebbe C C 2002 Bacterial community composition in the rhizosphere of a transgenic, herbicide-resistant maize (*Zea mays*) and comparison to its non-transgenic cultivar

*Bosphore*. FEMS Microbiol. Ecol. 40, 29-37.

Siciliano S D and Germida J J 1999 Taxonomic diversity of bacteria associated with the roots of field-grown transgenic *Brassica napus* cv. Quest, compared to the non-transgenic *B. napus* cv. Excel and *B. rapa* cv. Parkland. FEMS Microbiol. Ecol. 29, 263-272.

Van Leeuwen W, Ruttnik T, Borst Vrenssen A W M, van der Plas L H W and van der Krol A R 2001 Characterisation of position-induced spatial and temporal regulation of transgene promoter activity in plants. J. Exp. Bot. 52, 949-959.

Wieland G, Neumann R and Backhaus H 2001 Variation of microbial communities in soil, rhizosphere, and rhizoplane in response to crop species, soil type. and crop development. Appl. Environ. Microbiol. 67, 5849-5854.

Windels P, Taverniers I, Depicker A, Van Bockstaele E and De Loose M 2001 Characterisation of the Roundup Ready soybean insert. Eur. Food Res. Technol. 213, 107-112.