

引用文献

- 間竜太郎. 1997. トレニアの形質転換系の確立と有用形質の改善. 筑波大学審査学位(博士)論文. p.43-70.
- Ankenbauer, R. G. and E. W. Nester. 1990. Sugar-mediated induction of *Agrobacterium tumefaciens* virulence genes: structural specificity and activities of monosaccharides. J. Bacteriol. 172: 6442-6446.
- Anzai, H., K. Yoneyama and I. Yamaguchi. 1989. Transgenic tobacco resistant to a bacterial disease by the detoxification of pathogenic toxin. Mol. Gen. Genet. 219: 492-494.
- Archilletti, T., P. Lauri and C. Damiano. 1995. *Agrobacterium*-mediated transformation of almond leaf pieces. Plant Cell Rep. 14: 267-272.
- 浅尾浩史. 1995. バイオテクノロジーを用いたイチゴとナスの耐病性育種. 育種学最近の進歩. 37: 53-56.
- Asao, H., Y. Nishizawa, S. Arai, T. Sato, M. Hirai, K. Yoshida, A. Shinmyo and T. Hibi. 1997. Enhanced resistance against a fungal pathogen *Sphaerotheca humuli* in transgenic strawberry expressing a rice chitinase gene. Plant Biotechnol. 14: 145-149.
- Ashwell, G. 1957. Colorimetric analysis of sugars. Methods Enzymol. 3: 73-105.
- Balandin, T. and C. Castresana. 1997. Silencing of a β -1,3-glucanase transgene is overcome during seed formation. Plant Mol. Biol. 34: 125-137.
- Baribault, T. J., K. G. M. Skene, P. A. Cain and N. S. Scott. 1990. Transgenic grapevines: regeneration of shoots expressing β -glucuronidase. J. Exp. Bot. 41: 1045-1049.
- Bergelson, J., C. B. Purrington and G. Wichmann. 1998. Promiscuity in transgenic plants. Nature 395: 25.

- Berres, R., L. Otten, B. Tinland, E. Malgarini-Clog and B. Walter. 1992. Transformation of vitis tissue by different strains of *Agrobacterium tumefaciens* containing the T-6b gene. *Plant Cell Rep.* 11: 192-195.
- Bevan, M. 1984. Binary *Agrobacterium* vectors for plant transformation. *Nucleic Acids Res.* 12: 8711-8721.
- Bond, J. E. and M. L. Roose. 1998. *Agrobacterium*-mediated transformation of the commercially important citrus cultivar Washington navel orange. *Plant Cell Rep.* 18: 229-234.
- Bradford, M. M. 1976. A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Anal. Biochem.* 72: 248-254.
- Broglie, K., I. Chet, M. Holliday, R. Cressman, P. Biddle, S. Knowlton, C. J. Mauvais and R. Broglie. 1991. Transgenic plants with enhanced resistance to the fungal pathogen *Rhizoctonia solani*. *Science* 254: 1194-1197.
- Cabrera-Ponce, J. L., A. Vegas-Garcia and L. Herrera-Estrella. 1995. Herbicide resistant transgenic papaya plants produced by an efficient particle bombardment transformation method. *Plant Cell Rep.* 15: 1-7.
- Carpenter, G. and S. Cohen. 1979. Epidermal growth factor. *Annu. Rev. Biochem.* 48: 193-216.
- Carpenter, G. and J. Zendegui. 1986. A biological assay for epidermal growth factor/urogastrone and related polypeptides. *Anal. Biochem.* 153: 279-282.
- Cervera, M., J. A. Pina, J. Juárez, L. Navarro and L. Peña. 1998a. *Agrobacterium*-mediated transformation of citrange: factors affecting transformation and regeneration. *Plant Cell Rep.* 18: 271-278.
- Cervera, M., J. Juárez, A. Navarro, J. A. Pina, N. Duran-Vila, L. Navarro and L. Peña.

- 1998b. Genetic transformation and regeneration of mature tissues of woody fruit plants bypassing the juvenile stage. *Transgenic Research* 7: 51-59.
- Cheng, Y.-H., J.-S. Yang and S.-D. Yeh. 1996. Efficient transformation of papaya by coat protein gene of papaya ringspot virus mediated by *Agrobacterium* following liquid-phase wounding of embryogenic tissues with carborundum. *Plant Cell Rep.* 16: 127-132.
- Chèvre A.-M., F. Eber, A. Baranger and M. Renard. 1997. Gene flow from transgenic crops. *Nature* 389: 924.
- Cruz-Hernández, A., Witjaksono, R. E. Litz and M. Gomez Lim. 1998. *Agrobacterium tumefaciens*-mediated transformation of embryogenic avocado cultures and regeneration of somatic embryos. *Plant Cell Rep.* 17: 497-503.
- Da Câmara Machado, A., H. Katinger and M. Laimer da Câmara Machado. 1994. Coat protein-mediated protection against plum pox virus in herbaceous model plants and transformation of apricot and plum. *Euphytica* 77: 129-134.
- Da Câmara Machado, A., M. Puschmann, H. Pühringer, R. Kremen, H. Katinger and M. Laimer da Câmara Machado. 1995. Somatic embryogenesis of *Prunus subhirtella autumnalis rosa* and regeneration of transgenic plants after *Agrobacterium*-mediated transformation. *Plant Cell Rep.* 14: 335-340.
- Dandeker, A. M., G. H. McGranahan, P. V. Vail, S. L. Uratsu, C. Leslie and J. S. Tebbets. 1994. Low levels of expression of wild type *Bacillus thuringiensis* var. *kurstaki* *cryIA(C)* sequences in transgenic walnut somatic embryos. *Plant Sci.* 96: 151-162.
- De Bondt, A., K. Eggermont, P. Druart, M. De Vil, I. Goderis, J. Vanderleyden and W. F. Broekaert. 1994. *Agrobacterium*-mediated transformation of apple (*Malus × domestica* Borkh.): an assessment of factors affecting gene transfer efficiency during early transformation steps. *Plant Cell Rep.* 13: 587-593.

- De Bondt, A., K. Eggermont, I. Penninckx, I. Goderis and W. F. Broekaert. 1996. *Agrobacterium*-mediated transformation of apple (*Malus×domestica* Borkh.): an assessment of factors affecting regeneration of transgenic plants. *Plant Cell Rep.* 15: 549-554.
- De la Fuente-Martínez, J. M., G. Mosqueda-Cano, A. Alvarez-Morales and L. Herrera-Estrella. 1992. Expression of a bacterial phaseolotoxin-resistant ornithyl transcarbamylase in transgenic tobacco confers resistance to *Pseudomonas syringae* pv. *Phaseolicola*. *Bio/Technology* 10: 905-909.
- De Zoeten, G. A., J. R. Penswick, M. A. Horisberger, P. Ahl, M. Schultze and T. Hohn. 1989. The expression, localization, and effect of a human interferon in plants. *Virology* 172: 213-222.
- Dong, J.-Z. and A. McHughen. 1993. Transgenic flax plants from *Agrobacterium* mediated transformation: incidence of chimeric regenerants and inheritance of transgenic plants. *Plant Sci.* 91: 139-148.
- Edelbaum, O., D. Stein, N. Holland, Y. Gafni, O. Livneh, D. Novick, M. Rubinstein and I. Sela. 1992. Expression of active human interferon- β in transgenic plants. *J. Interferon Res.* 12: 449-453.
- Elmayan, T. and H. Vaucheret. 1996. Expression of single copies of a strongly expressed 35S transgene can be silenced post-transcriptionally. *Plant J.* 9: 787-797.
- Finnegan, J. and D. McElroy. 1994. Transgene inactivation: Plants fight back! *Bio/Technology* 12: 883-888.
- Fitch, M. M. M., R. M. Manshardt, D. Gonsalves, J. L. Slightom and J. C. Sanford. 1990. Stable transformation of papaya via microprojectile bombardment. *Plant Cell Rep.* 9: 189-194.
- Fitch, M. M. M., R. M. Manshardt, D. Gonsalves, J. L. Slightom and J. C. Sanford.

1992. Virus resistant papaya plants derived from tissues bombarded with the coat protein gene of papaya ringspot virus. *Bio/Technology* 10: 1466-1472.
- Fitch, M. M. M., R. M. Manshardt, D. Gonsalves and J. L. Slightom. 1993. Transgenic papaya plants from *Agrobacterium*-mediated transformation of somatic embryos. *Plant Cell Rep.* 12: 245-249.
- Flavell, R. B. 1994. Inactivation of gene expression in plants as a consequence of specific sequence duplication. *Proc. Natl. Acad. Sci. USA.* 91: 3490-3496.
- Fraser, L. G., J. Kent and C. F. Harvey. 1995. Transformation studies of *Actinidia chinensis* Planch. *New Zealand J. Crop Hort. Sci.* 23: 407-413.
- 福井博一, 野崎国芳, 中村三夫. 1989. カキ‘富有’の培養シートの葉からの不定芽形成. *園学雑.* 58(別2): 58-59.
- Gall, O. L., L. Torregrosa, Y. Danglot, T. Candresse and A. Bouquet. 1994. *Agrobacterium*-mediated genetic transformation of grapevine somatic embryos and regeneration of transgenic plants expressing the coat protein of grapevine chrome mosaic nepovirus (GCMV). *Plant Sci.* 102: 161-170.
- Gölles, R., R. Moser, H. Katinger, M. Laimer da Câmara Machado, A. da Câmara Machado, V. Tsolova and A. Bouquet. 1997. Transformation of somatic embryos of *Vitis* sp. with different constructs containing nucleotide sequences from nepovirus coat protein genes. *Acta Hortic.* 447: 265-272.
- Graham, J., R. J. McNicol and A. Kumar. 1990. Use of the GUS gene as a selectable marker for *Agrobacterium*-mediated transformation of *Rubus*. *Plant Cell Tissue Organ Cult.* 20: 35-39.
- Graham, J. and R. J. McNicol. 1990. Plantlet regeneration and genetic transformation in soft fruit species. *Acta Hortic.* 280: 517-522.
- Graham, J. and R. J. McNicol. 1991. Regeneration and transformation of *Ribes*. *Plant*

Cell Tissue Organ Cult. 24: 91-95.

Graham, J., K. Greig and R. J. McNicol. 1996. Transformation of blueberry without antibiotic selection. Ann. Appl. Biol. 128: 557-564.

Grison, R., B. Grezes-Besset, M. Schneider, N. Lucante, L. Olsen, J.-J. Leguay and A. Toppan. 1996. Field tolerance to fungal pathogens of *Brassica napus* constitutively expressing a chimeric chitinase gene. Nature Biotechnol. 14: 643-646.

Gutiérrez-E, M. A., D. Luth and G. A. Moore. 1997. Factors affecting *Agrobacterium*-mediated transformation in *Citrus* and production of sour orange (*Citrus aurantium* L.) plants expressing the coat protein gene of citrus tristeza virus. Plant Cell Rep. 16: 745-753.

Gutiérrez-Pesce, P., K. Taylor, R. Muleo and E. Rugini. 1998. Somatic embryogenesis and shoot regeneration from transgenic roots of cherry rootstock Colt (*Prunus avium* × *P. pseudocerasus*) mediated by pRi 1855 T-DNA of *Agrobacterium rhizogenes*. Plant Cell Rep. 17: 574-580.

Hamamoto, H., Y. Sugiyama, N. Nakagawa, E. Hashida, Y. Matsunaga, S. Takemoto, Y. Watanabe and Y. Okada. 1993. A new tobacco mosaic virus vector and its use for the systemic production of angiotensin-I-converting enzyme inhibitor in transgenic tobacco and tomato. Bio/Technology 11: 930-932.

Hammerschlag, F. A., R. H. Zimmerman, U. L. Yadava, S. Hunsucker and P. Gercheva. 1997. Effect of antibiotics and exposure to an acidified medium on the elimination of *Agrobacterium tumefaciens* from apple leaf explants and on shoot regeneration. J. Amer. Soc. Hortic. Sci. 122: 758-763.

Hammerschlag, F. A. and A. C. Smigocki. 1998. Growth and in vitro propagation of peach plants transformed with the shooty mutant strain of *Agrobacterium*

- tumefaciens*. HortScience 38: 897-899.
- Harada, H. 1975. In vitro organ culture of *Actinidia chinensis* Pl. as a technique for vegetative multiplication. J. Hort. Sci. 50: 81-83.
- Hassan, M. A., H. J. Swartz, G. Inamine and P. Mullineaux. 1993. *Agrobacterium tumefaciens*-mediated transformation of several *Rubus* genotypes and recovery of transformed plants. Plant Cell Tissue Organ Cult. 33: 9-17.
- Hébert, D., J. R. Kikkert, F. D. Smith and B. I. Reisch. 1993. Optimization of biotic transformation of embryogenic grape cell suspensions. Plant Cell Rep. 12: 585-589.
- Herrera-Estrella, L., A. Depicker, M. V. Montagu and J. Schell. 1983. Expression of chimeric genes transferred into plant cells using a Ti-plasmid-derived vector. Nature 303: 209-213.
- Hiatt, A., R. Cafferkey and K. Bowdish. 1989. Production of antibodies in transgenic plants. Nature 342: 76-78.
- Hidaka, T., M. Omura, M. Ugaki, M. Tomiyama, A. Kato, M. Ohshima and F. Motoyoshi. 1990. *Agrobacterium*-mediated transformation and regeneration of *Citrus* spp. from suspension cells. Japan. J. Breed. 40: 199-207.
- Hidaka, T. and M. Omura. 1993. Transformation of *Citrus* protoplasts by electroporation. J. Japan. Soc. Hort. Sci. 62: 371-376.
- Hiei, Y., S. Ohta, T. Komari and T. Kumashiro. 1994. Efficient transformation of rice (*Oryza sativa* L.) mediated by *Agrobacterium* and sequence analysis of the boundaries of the T-DNA. Plant J. 6: 271-282.
- Higo, K., Y. Saito and H. Higo. 1993. Expression of a chemically synthesized gene for human epidermal growth factor under the control of cauliflower mosaic virus 35S promoter in transgenic tobacco. Biosci. Biotech. Biochem. 57: 1477-1481.

- Hoekema, A., P. R. Hirsch, P. J. J. Hooykaas and R. A. Schilperoort. 1983. A binary plant vector strategy based on separation of *Vir*- and T-region of the *Agrobacterium tumefaciens* Ti-plasmid. *Nature* 303: 179-180.
- Hoffmann, T., C. Golz and O. Schieder. 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.
- Honda, H. and A. Hirai. 1990. A simple and efficient method for identification of hybrids using nonradioactive rDNA as probe. *Japan. J. Breed.* 40: 339-348.
- Hood, E. E., G. L. Helmer, R. T. Fraley and M.-D. Chilton. 1986. The hypervirulence of *Agrobacterium tumefaciens* A281 is encoded in a region of pTiBo542 outside of T-DNA. *J. Bacteriol.* 168: 1291-1301.
- Hood, E. E., S. B. Gelvin, L. S. Melchers and A. Hoekema. 1993. New *Agrobacterium* helper plasmids for gene transfer to plants. *Transgenic Res.* 2: 208-218.
- 星 伸枝, 中谷房治, 峰 正樹, 西原昌宏, 山村三郎. 1998. キチナーゼ遺伝子導入リンゴの斑点落葉病に対する抵抗性の検定. *育雑.* 48(別 2): 245.
- Hoshino, Y., Y.-M. Zhu, M. Nakano, E. Takahashi and M. Mii. 1998. Production of transgenic grapevine (*Vitis vinifera* L. cv. Koshusanjaku) plants by co-cultivation of embryogenic calli with *Agrobacterium tumefaciens* and selecting secondary embryos. *Plant Biotechnol.* 15: 29-33.
- Imoto, T. and K. Yagishita. 1971. A simple activity measurement of lysozyme. *Agric. Biol. Chem.* 35: 1154-1156.
- 伊藤寿美子, 稲葉幸司, 増村威宏, 田中國介, 竹内洋二, 吉川正明. 1994. ダイズ β -1,3-エンドグルカナーゼ遺伝子を導入した賀茂ナス形質転換体の作出. *育雑.* 44(別 2): 43.
- 伊藤寿美子, 福西 努, 稲葉幸司, 増村威宏, 田中國介, 竹内洋二, 吉川正明. 1995. ダイズ β -1,3-エンドグルカナーゼ遺伝子を導入した賀茂ナス形質転換体の病害抵抗性. *育*

雜. 45(別2): 106.

- Jach, G., B. Görnhardt, J. Mundy, J. Logemann, E. Pinsdorf, R. Leah, J. Schell and C. Maas. 1995. Enhanced quantitative resistance against fungal disease by combinatorial expression of different barley antifungal proteins in transgenic tobacco. *Plant J.* 8: 97-109.
- James, D. J., A. J. Passey, D. J. Barbara and M. Bevan. 1989. Genetic transformation of apple (*Malus pumila* Mill.) using a disarmed Ti-binary vector. *Plant Cell Rep.* 7: 658-661.
- Janssen, B.-J. and R. C. Gardner. 1993. The use of transient GUS expression to develop an *Agrobacterium*-mediated gene transfer system for kiwifruit. *Plant Cell Rep.* 13: 28-31.
- Jefferson, R. A., S. M. Burgess and D. Hirsh. 1986. β -Glucuronidase from *Escherichia coli* as a gene-fusion marker. *Proc. Natl. Acad. Sci. USA.* 83: 8447-8451.
- Jefferson, R. A., T. A. Kavanagh and M. W. Bevan. 1987. Gus fusions: β -glucuronidase as a sensitive and versatile gene fusion marker in higher plants. *EMBO J.* 6: 3901-3907.
- Jongedijk, E., H. Tigelaar, J. S. C. van Roekel, S. A. Bres-Vloemans, I. Dekker, P. J. M. van den Elzen, B. J. C. Cornelissen and L. S. Melchers. 1995. Synergistic activity of chitinases and β -1,3-glucanases enhances fungal resistance in transgenic tomato plants. *Euphytica* 85: 173-180.
- Kanayama, Y. 1998. Molecular biology of sugar metabolism and its regulation in fruit. *J. Japan. Soc. Hort. Sci.* 68: 1203-1208.
- Kaneyoshi-Hiramatsu, J., S. Kobayashi, Y. Nakamura, N. Shigemoto and Y. Doi. 1994. A simple and efficient gene transfer system of trifoliolate orange (*Poncirus trifoliata* Raf.). *Plant Cell Rep.* 13: 541-545.

- 金好純子, 我彦広悦, 小林省藏, 土屋隆生. 1998. アグロバクテリウムによるナシ台木形質
転換体の作出. 園学雑. 67(別2): 207.
- Kaneyoshi, J. and S. Kobayashi. 1999. Characteristics of transgenic trifoliate orange
(*Poncirus trifoliata* Raf.) possessing the *rolC* gene of *Agrobacterium rhizogenes*
Ri plasmid. J. Japan. Soc. Hort. Sci. 68: 734-738.
- Katz, S. L. 1997. Future vaccines and a global perspective. Lancet 350: 1767-1770.
- Keen, N. T. and M. Yoshikawa. 1983. β -1,3-Endoglucanase from soybean releases
elicitor-active carbohydrates from fungus cell walls. Plant Physiol. 71: 460-465.
- Kikkert, J. R., D. Hébert-Soulé, P. G. Wallace, M. J. Striem and B. I. Reisch. 1996.
Transgenic plantlets of 'Chancellor' grapevine (*Vitis* sp.) from biolistic
transformation of embryogenic cell suspensions. Plant Cell Rep. 15: 311-316.
- Kobayashi, S. and H. Uchimiya. 1989. Expression and integration of a foreign gene in
orange (*Citrus sinensis* Osb.) protoplasts by direct DNA transfer. Jpn. J. Genet.
64: 91-97.
- Kobayashi, S., Y. Nakamura, J. Kaneyoshi, H. Higo and K. Higo. 1996. Transformation
of kiwifruit (*Actinidia chinensis*) and trifoliate orange (*Poncirus trifoliata*) with a
synthetic gene encoding the human epidermal growth factor (hEGF). J. Japan.
Soc. Hort. Sci. 64: 763-769.
- Kokko, H. I. And S. O. Kärenlampi. 1998. Transformation of arctic bramble (*Rubus*
arcticus L.) by *Agrobacterium tumefaciens*. Plant Cell Rep. 17: 822-826.
- Korte, A.-M. 1994. *Agrobacterium*-mediated gene transfer as a tool for the induction of
resistance against plum pox virus (PPV) in plum (*Prunus domestica* L.). Acta
Hortic. 359: 164-168.
- Krastanova, S., M. Perrin, P. Barbier, G. Demangeat, P. Cornuet, N. Bardonnet, L.
Otten, L. Pinck and B. Walter. 1995. Transformation of grapevine rootstocks with

- the coat protein gene of grapevine fanleaf nepovirus. *Plant Cell Rep.* 14: 550-554.
- Krebbers, E. and J. Vandekerckhove. 1990. Production of peptides in plant seeds. *Trends Biotechnol.* 8: 1-3.
- Kunz, C., H. Schöb, M. Stam, J. M. Kooter and F. Meins Jr. 1996. Developmentally regulated silencing and reactivation of tobacco chitinase transgene expression. *Plant J.* 10: 437-450.
- 栗原昭夫, 高梨和雄, 吉田賢児. 1987. 特産のくだもの—キウイフルーツ. p.7-30. 果樹種苗協会. 東京.
- Kusaba, S., Y. Kano-Murakami, M. Matsuoka, N. Matsuta, T. Sakamoto and M. Fukumoto. 1999. Expression of the rice homeobox gene, OSH1, causes morphological changes in transgenic kiwifruit. *J. Japan. Soc. Hort. Sci.* 68: 482-486.
- 草場新之助, 本多親子, 村上(嘉納)ゆり子. 1999. リンゴにおけるジベレリン 20 酸化酵素遺伝子の解析. (第 2 報) ゲノムクローンの単離と果実における発現解析. 園学雑. 68(別 1): 63.
- Laimer da Câmara Machado, M., A. da Câmara Machado, V. Hanzer, H. Weiss, F. Regner, H. Steinkellner, D. Mattanovich, R. Plail, E. Knapp, B. Kalthoff and H. Kattinger. 1992. Regeneration of transgenic plants of *Prunus armeniaca* containing the coat protein gene of Plum Pox Virus. *Plant Cell Rep.* 11: 25-29.
- Lambert, C. and D. Tepfer. 1992. Use of *Agrobacterium rhizogenes* to create transgenic apple trees having an altered organogenic response to hormones. *Theor. Appl. Genet.* 85: 105-109.
- Legrand, M., S. Kauffman, P. Geoffroy and B. Fritig. 1987. Biological function of pathogenesis-related proteins: four tobacco pathogenesis-related proteins are chitinase. *Proc. Natl. Acad. Sci. USA.* 84: 6750-6754.

- Levi, A., G. A. Galau and H. Y. Wetzstein. 1992. A rapid procedure for the isolation of RNA from high-phenolic-containing tissues of pecan. HortScience 27: 1316-1318.
- Lichtenstein, C. and J. Draper. 1985. Genetic engineering of plants. In: Glover, D. M. (eds). DNA cloning vol. II. p.67-120. IRL Press, Oxford, England.
- Lin, W., C. S. Anuratha, K. Datta, I. Potrykus, S. Muthukrishnan and S. K. Datta. 1995. Genetic engineering of rice for resistance to sheath blight. Bio/Technology 13: 686-691.
- Lius, S., R. M. Manshardt, M. M. M. Fitch, J. L. Slightom, J. C. Sanford and D. Gonsalves. 1997. Pathogen-derived resistance provides papaya with effective protection against papaya ringspot virus. Molecular Breeding 3: 161-168.
- Lloyd, G. and B. McCown. 1980. Commercially feasible micropropagation of mountain laurel (*Kalmia latifolia*) by use of shoot tip culture. Comb. Proc. Intl. Plant Prop. Soc. 30: 421-427.
- López-Gómez, R. and M. A. Gómez-Lim. 1992. A method for extracting intact RNA from fruits rich in polysaccharides using ripe mango mesocarp. HortScience 27: 440-442.
- Losey, J. E., L. S. Rayor and M. E. Carter. 1999. Transgenic pollen harms monarch larvae. Nature 399: 214.
- Maheswaran, G., M. Welander, J. F. Hutchinson, M. W. Graham and D. Richards. 1992. Transformation of apple rootstock M26 with *Agrobacterium tumefaciens*. J. Plant Physiol. 139: 560-568.
- Mahon, R. E., M. F. Bateson, D. A. Chamberlain, C. M. Higgins, R. A. Drew and J. L. Dale. 1996. Transformation of an Australian variety of *Carica papaya* using microprojectile bombardment. Aust. J. Plant Physiol. 23: 679-685.
- Manders, G., W. C. Otoni, F. B. d'Utra Vaz, N. W. Blackhall, J. B. Power and M. R.

- Davey. 1994. Transformation of passionfruit (*Passiflora edulis* fv *flavicarpa* Degener.) using *Agrobacterium tumefaciens*. *Plant Cell Rep.* 13: 697-702.
- Mante, S., P. H. Morgens, R. Scorza, J. M. Cordts and A. M. Callahan. 1991. *Agrobacterium*-mediated transformation of plum (*Prunus domestica* L.) hypocotyl slices and regeneration of transgenic plants. *Bio/Technology* 9: 853-857.
- Martinelli, L. and G. Mandolino. 1994. Genetic transformation and regeneration of transgenic plants in grapevine (*Vitis rupestris* S.). *Theor. Appl. Genet.* 88: 621-628.
- 丸田一成, 宮坂幸弘, 西澤洋子, 小林 隆. 1998. イネ・キチナーゼ遺伝子導入トルコギキョウの作出と灰色かび病抵抗性検定. *育雑*. 48(別 1): 189.
- Mason, H. S. and C. J. Arntzen. 1995. Transgenic plants as vaccine production systems. *TIBTECH* 13: 388-392.
- Mathews, H., R. E. Litz, H. D. Wilde and H. Y. Wetzstein. 1993. Genetic transformation of mango. *Acta Hortic.* 341: 93-97.
- Mathews, H., W. Wagoner, C. Cohen, J. Kellogg and R. Bestwick. 1995. Efficient genetic transformation of red raspberry, *Rubus idaeus* L. *Plant Cell Rep.* 14: 471-476.
- Matsumoto, S., A. Ishii, K. Ikura, M. Ueda and R. Sasaki. 1993. Expression of human erythropoietin in cultured tobacco cells. *Biosci. Biotechnol. Biochem.* 57: 1249-1252.
- 松田長生. 1991. 落葉果樹類の組織培養に関する研究. 東北大学審査学位(博士)論文 p.54-65.
- Matsuta, N., H. Iketani and T. Hayashi. 1993. Transformation in grape and kiwifruit. In: Hayashi, T., M. Omura and N. S. Scott. (eds). *Techniques on gene diagnosis*

and breeding in fruit trees. p.184-192. Fruit Tree Research Station, Tsukuba, Ibaraki, Japan.

松田長生, 山本俊哉, 池谷祐幸. 1999. アグロバクテリウムによるモモへの遺伝子導入. 園学雑. 68(別1): 139.

Matzke, M. A. and A. J. M. Matzke. 1995. How and why do plants inactivate homologous (trans) genes? Plant Physiol. 107: 679-685.

Mauro, M. C., S. Toutain, B. Walter, L. Pinck, L. Otten, P. Coutos-Thevenot, A. Deloire and P. Barbier. 1995. High efficiency regeneration of grapevine plants transformed with the GFLV coat protein gene. Plant Sci. 112: 97-106.

May, G. D., R. Afza, H. S. Mason, A. Wiecko, F. J. Novak and C. J. Arntzen. 1995. Generation of transgenic banana (*Musa acuminata*) plants via *Agrobacterium*-mediated transformation. Bio/Technology 13: 486-492.

McGranahan, G. H., C. A. Leslie, S. L. Uratsu, L. A. Martin and A. M. Dandekar. 1988. *Agrobacterium*-mediated transformation of walnut somatic embryos and regeneration of transgenic plants. Bio/Technology 6: 800-804.

McGranahan, G. H., C. A. Leslie, S. L. Uratsu and A. M. Dandekar. 1990. Improved efficiency of the walnut somatic embryo gene transfer system. Plant Cell Rep. 8: 512-516.

Meyer, P. 1995. Variation of transgene expression in plants. Euphytica 85: 359-366.

Meyer, P. and H. Saedler. 1996. Homology-dependent gene silencing in plants. Annu. Rev. Plant Physiol. Plant Mol. Biol. 47: 23-48.

Meyer-Ingold, W. 1993. Wound therapy: growth factors as agents to promote healing. Trends Biotechnol. 11: 387-392.

Miguel, C. M. and M. M. Oliveira. 1999. Transgenic almond (*Prunus dulcis* Mill.) plants obtained by *Agrobacterium*-mediated transformation of leaf explants.

- Plant Cell Rep. 18: 387-393.
- Mikkelsen, T. R., B. Andersen and R. B. Jørgensen. 1996. The risk of crop transgene spread. *Nature* 380: 31.
- Moore, G. A., C. C. Jacono, J. L. Neidigh, S. D. Lawrence and K. Cline. 1992. *Agrobacterium*-mediated transformation of *Citrus* stem segments and regeneration of transgenic plants. *Plant Cell Rep.* 11: 238-242.
- Mor, T. S., M. A. Gómez-Lim and K. E. Palmer. 1998. Perspective: edible vaccines-a concept coming of age. *Trends Microbiol.* 6: 449-453.
- Mourguès, F., E. Chevreau, C. Lambert and A. de Bondt. 1996. Efficient *Agrobacterium*-mediated transformation and recovery of transgenic plants from pear (*Pyrus communis* L.). *Plant Cell Rep.* 16: 245-249.
- Mueller, E., H. Loerz and S. Luetticke. 1996. Variability of transgene expression in clonal cell lines of wheat. *Plant Sci.* 114: 71-82.
- Mullins, M. G., F. C. A. Tang and D. Facciotti. 1990. *Agrobacterium*-mediated genetic transformation of grapevines: transgenic plants of *Vitis rupestris* Scheele and buds of *Vitis vinifera* L. *Bio/Technology* 8: 1041-1045.
- Murashige, T. and F. Skoog. 1962. A. revised medium for rapid growth and bioassays with tobacco tissue cultures. *Physiol. Plant.* 15: 473-497.
- Nakajima, I., S. Kobayashi and Y. Nakamura. 1998. Embryogenic callus induction and plant regeneration from unfertilized ovules of 'Kyoho' grape. *J. Japan. Soc. Hort. Sci.* 67(Suppl. 1): 65.
- Nakamura, Y., S. Kobayashi and I. Nakajima. 1998. *Agrobacterium*-mediated transformation and plant regeneration from hypocotyl segments of Japanese persimmon (*Diospyros kaki* Thunb.). *Plant Cell Rep.* 17:435-440.
- Nakamura, Y., H. Sawada, S. Kobayashi, I. Nakajima and M. Yoshikawa. 1999.

Expression of soybean β -1,3-endoglucanase cDNA and effect on disease tolerance in kiwifruit plants. Plant Cell Rep. 18: 527-532.

Nakano, M., Y. Hoshino and M. Mii. 1994. Regeneration of transgenic plants of grapevine (*Vitis vinifera* L.) via *Agrobacterium rhizogenes*-mediated transformation of embryogenic calli. J. Exp. Bot. 45: 649-656.

Neuhaus, J.-M., P. Ahl-Goy, U. Hinz, S. Flores and F. Meins Jr. 1991. High-level expression of a tobacco chitinase gene in *Nicotiana sylvestris*. Susceptibility of transgenic plants to *Cercospora nicotianae* infection. Plant Mol. Biol. 16: 141-151.

Nielsen, K. M., A. M. Bones, K. Smalla and J. D. Van Elsas. 1998. Horizontal gene transfer from transgenic plants to terrestrial bacteria — a rare event? FEMS Microbiol. Rev. 22: 79-103.

Nielsen, K. K., J. D. Mikkelsen, K. M. Kragh and K. Bojsen. 1993. An acidic class III chitinase in sugar beet: induction by *Cercospora beticola*, characterization, and expression in transgenic tobacco plants. Mol. Plant-Microbe Interact. 6: 495-506.

西村浩一郎, 山田員人. 1992. カキ葉組織からの不定芽形成による植物体再生. 島根農試研報. 26: 106-113.

西山幸司, 江塚昭典. 1977. ラフ型集落を生じるライグラス類かさ枯病細菌の分離例. 日植病報. 43: 426-431.

Nishizawa, Y. and T. Hibi. 1991. Rice chitinase gene: cDNA cloning and stress-induced expression. Plant Sci. 76: 211-218.

西澤洋子, 阿久津克己, 日比忠明. 1992. 植物溶菌酵素遺伝子の導入による菌類病抵抗性植物の作出. 植物防疫. 46: 22-28.

西澤洋子, 近藤賢一, 阿久津克己, 日比忠明. 1993a. イネ・キチナーゼ遺伝子導入による病害抵抗性トランスジェニックタバコの作出. 日植病. 平成5年植物感染生理談話

会. p.11-19.

- Nishizawa, Y., N. Kishimoto, A. Saito and T. Hibi. 1993b. Sequence variation, differential expression and chromosomal location of rice chitinase genes. Mol. Gen. Genet. 241: 1-10.
- 農林水産省農産園芸局果樹花き課. 1998. 果樹農業に関する資料. 平成10年5月. 農林水産省.
- 大垣智昭. 1984. 農業技術体系 果樹編5. キウイ 原産と来歴. p.3-5. 農文協. 東京.
- 大垣智昭. 1988. 果樹のルーツを訪ねて. 21 キウイフルーツ. 果実日本. 43: 50-53.
- Peña, L., M. Cervera, J. Juárez, C. Ortega, J. A. Pina, N. Durán-Vila and L. Navarro. 1995a. High efficiency *Agrobacterium*-mediated transformation and regeneration of citrus. Plant Sci. 104: 183-191.
- Peña, L., M. Cervera, J. Juárez, A. Navarro, J. A. Pina, N. Durán-Vila and L. Navarro. 1995b. *Agrobacterium*-mediated transformation of sweet orange and regeneration of transgenic plants. Plant Cell Rep. 14: 616-619.
- Peña, L., M. Cervera, J. Juárez, A. Navarro, J. A. Pina and L. Navarro. 1997. Genetic transformation of lime (*Citrus aurantifolia* Swing.): factors affecting transformation and regeneration. Plant Cell Rep. 16: 731-737.
- Perl, A., O. Lotan, M. Abu-Abied and D. Holland. 1996. Establishment of an *Agrobacterium*-mediated transformation system for grape (*Vitis vinifera* L.): The role of antioxidants during grape- *Agrobacterium* interactions. Nature Biotechnol. 14: 624-628.
- Pérez-Molphe-Balch, E. and N. Ochoa-Alejo. 1998. Regeneration of transgenic plants of Mexican lime from *Agrobacterium rhizogenes*-transformed tissues. Plant Cell Rep. 17: 591-596.
- Puite, K. J. and J. G. Schaart. 1996. Genetic modification of the commercial apple

- cultivars Gala, Golden Delicious and Elstar via an *Agrobacterium tumefaciens*-mediated transformation method. Plant Sci. 119: 125-133.
- Raineri, D. M., P. Bottino, M. P. Gordon and E. W. Nester. 1990. *Agrobacterium*-mediated transformation of rice (*Oryza sativa* L.). Bio/Technology 8: 33-38.
- Register III, J. C. 1997. Approaches to evaluating the transgenic status of transformed plants. TIBTECH. 15: 141-146.
- Rogers, S. O. and A. J. Bendich. 1985. Extraction of DNA from milligram amounts of fresh, herbarium and mummified plant tissues. Plant Mol. Biol. 5: 69-76.
- Rugini, E., A. Pellegrineschi, M. Mencuccini and D. Mariotti. 1991. Increase of rooting ability in the woody species kiwi (*Actinidia deliciosa* A. Chev.) by transformation with *Agrobacterium rhizogenes* *rol* genes. Plant Cell Rep. 10: 291-295.
- Sági, L., B. Panis, S. Remy, H. Schoofs, K. De Smet, R. Swennen and B. P. A. Cammue. 1995. Genetic transformation of banana and plantain (*Musa* spp.) via particle bombardment. Bio/Technology 13: 481-485.
- Sambrook, J., E. F. Fritsch and T. Maniatis. 1989. Molecular Cloning: A Laboratory Manual. Cold Spring harbor Laboratory Press, Cold Spring Harbor, NY.
- Sandhu, J. S., M. D. Osadjan, S. F. Krasnyanski, L. L. Domier, S. S. Korban and D. E. Buetow. 1999. Enhanced expression of the human respiratory syncytial virus-F gene in apple leaf protoplasts. Plant Cell Rep. 18: 394-397.
- 坂本知昭, 小林正智, 田中宥司, 蒼野暁明, 番 保徳, 松岡 信, 岩堀修一. 1999. ジベレリン代謝酵素遺伝子による樹姿調節の試みーアラビドプシスから単離した GA 2 β -hydroxylase 遺伝子の機能解析. 園学雑. 68(別 1): 147.
- 佐藤昭二, 勝屋敬三, 安藤克彦, 小野義隆, 柿島 真, 佐藤豊三. 1983. 植物病理学実験法. 佐藤昭二, 後藤正夫, 土居養二編. I. 菌類病編 2. 培地の作製法. p.11-18. 講談社東京.

佐藤隆徳, 西澤洋子, 阿久津克己, 松永 啓, 吉田建実. 1999. 形質転換トマトを利用した
菌類病抵抗性系統の作出. 園学雑. 68(別 1): 198.

Sawada, H., H. Ieki and I. Matsuda. 1995. PCR detection of Ti and Ri plasmids from
phytopathogenic *Agrobacterium* strains. Appl. Environ. Microbiol. 61: 828-831.

Schaart, J. G., K. J. Puite, L. Kolova and N. Pogrebnyak. 1995. Some methodological
aspects of apple transformation by *Agrobacterium*. Euphytica 85: 131-134.

Schlüter, K., J. Fütterer and I. Potrykus. 1995. "Horizontal" gene transfer from a
transgenic potato line to a bacterial pathogen (*Erwinia chrysanthemi*) occurs—if
at all—at an extremely low frequency. Bio/Technology 13: 1094-1098.

Schmidt, R. and L. Willmitzer. 1988. High efficiency *Agrobacterium tumefaciens*-
mediated transformation of *Arabidopsis thaliana* leaf and cotyledon explants.
Plant Cell Rep. 7: 583-586.

Schroeder, H. E., M. R. I. Khan, W. R. Knibb, D. Spencer and T. J. Higgins. 1991.
Expression of a chicken ovalbumin gene in three lucerne cultivars. Aust. J. Plant
Physiol. 18: 495-506.

Scorza, R., M. Ravelonandro, A. M. Callahan, J. M. Cordts, M. Fuchs, J. Dunez and D.
Gonsalves. 1994. Transgenic plums (*Prunus domestica* L.) express the plum pox
virus coat protein gene. Plant Cell Rep. 14: 18-22.

Scorza, R., L. Levy, V. Damsteegt, L. M. Yepes, J. Cordts, A. Hadidi, J. Slightom and D.
Gonsalves. 1995a. Transformation of plum with the papaya ringspot virus coat
protein gene and reaction of transgenic plants to plum pox virus. J. Amer. Soc.
Hort. Sci. 12: 943-952.

Scorza, R., J. M. Cordts, D. W. Ramming and R. L. Emershad. 1995b. Transformation
of grape (*Vitis vinifera* L.) zygotic-derived somatic embryos and regeneration of
transgenic plants. Plant Cell Rep. 14: 589-592.

- Seabra, R. C. and M. S. Pais. 1998. Genetic transformation of European chestnut. Plant Cell Rep. 17: 177-182.
- Serres, R., E. Stang, D. McCabe, D. Russell, D. Mahr and B. McCown. 1992. Gene transfer using electric discharge particle bombardment and recovery of transformed cranberry plants. J. Amer. Soc. Hort. Sci. 117: 174-180.
- Serres, R., B. McCown and E. Zeldin. 1997. Detectable β -glucuronidase activity in transgenic cranberry is affected by endogenous inhibitors and plant development. Plant Cell Rep. 16: 641-646.
- Shimoda, N., A. Toyoda-Yamamoto, J. Nagamine, S. Usami, M. Katayama, Y. Sakagami and Y. Machida. 1990. Control of expression of *Agrobacterium vir* genes by synergistic actions of phenolic signal molecules and monosaccharides. Proc. Natl. Acad. Sci. USA. 87: 6684-6688.
- 志村 獑, 横口幸男, 石川駿二. 1990. 4-ピリジル尿素処理によるキウイフルーツ節間カルスからのシート形成. 園学雑. 58: 841-847.
- Smigocki, A. C. and F. A. Hammerschlag. 1991. Regeneration of plants from peach embryo cells infected with a shooty mutant strain of *Agrobacterium*. J. Amer. Soc. Hort. Sci. 116: 1092-1097.
- Smith, C. J. S., C. F. Watson, J. Ray, C. R. Bird, P. C. Morris, W. Schuch and D. Grierson. 1988. Antisense RNA inhibition of polygalacturonase gene expression in transgenic tomatoes. Nature 334: 724-726.
- Smith, C. J., C. F. Watson, P. C. Morris, C. R. Bird, G. B. Seymour, J. E. Gray, C. Arnold, G. A. Tucker, W. Schuch, S. Harding and D. Grierson. 1990. Inheritance and effect on ripening of antisense polygalacturonase genes in transgenic tomatoes. Plant Mol. Biol. 14: 369-379.
- Smith, G., A. Walmsley and I. Polkinghorne. 1997. Plant-derived immunocontraceptive

vaccines. Reprod. Fertil. Dev. 9: 85-89.

傍島善次. 1983. 農業技術体系 果樹編 4. カキ I 原産と来歴, II 地域性と品種. p.3-7. 農文協. 東京.

Sriskandarajah, S., P. B. Goodwin and J. Speirs. 1994. Genetic transformation of the apple scion cultivar 'Delicious' via *Agrobacterium tumefaciens*. Plant Cell Tissue Organ Cult. 36: 317-329.

Sriskandarajah, S. and P. Goodwin. 1998. Conditioning promotes regeneration and transformation in apple leaf explants. Plant Cell Tissue Organ Cult. 53: 1-11.

Stam, M., J. N. M. Mol and J. M. Kooter. 1997. The silence of genes in transgenic plants. Annal. Bot. 79: 3-12.

Tabei, Y., S. Kitade, Y. Nishizawa, N. Kikuchi, T. Kayano, T. Hibi and K. Akutsu. 1998. Transgenic cucumber plants harboring a rice chitinase gene exhibit enhanced resistance to gray mold (*Botrytis cinerea*). Plant Cell Rep. 17: 159-164.

Takamatsu, N., Y. Watanabe, H. Yanagi, T. Meshi, T. Shiba and Y. Okada. 1990. Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector. FEBS Lett. 269: 73-76.

Takase, K. and K. Hagiwara. 1998. Expression of human α -lactalbumin in transgenic tobacco. J. Biochem. 123: 440-444.

高津康正, 西澤洋子, 岸本久太郎, 佐々木史生, 日比忠明, 林 幹夫, 阿久津克己. 1998. イネ・キチナーゼ遺伝子を導入したキクにおける灰色かび病菌に対する抵抗性増強の系統間差. 育雑. 48(別2): 134.

Takeuchi, Y., M. Yoshikawa, G. Takeba, K. Tanaka, D. Shibata and O. Horino. 1990. Molecular cloning and ethylene induction of mRNA encoding a phytoalexin elicitor-releasing factor, β -1,3-endoglucanase, in soybean. Plant Physiol. 93: 673-682.

- Tao, R., H. Murayama, K. Moriguchi and A. Sugiura. 1988. Plant regeneration from callus cultures derived from primordial leaves of adult Japanese persimmon. HortScience 23: 1055-1056.
- Tao, R. and A. Sugiura. 1992. Adventitious bud formation from callus cultures of Japanese persimmon. HortScience 27: 259-261.
- Tao, R., T. Handa, M. Tamura and A. Sugiura. 1994. Genetic transformation of Japanese persimmon (*Diospyros kaki* L.) by *Agrobacterium rhizogenes* wild type strain A4. J. Japan. Soc. Hort. Sci. 63: 283-289.
- Tao, R., S. L. Uratsu and A. M. Dandekar. 1995. Relative virulence of *Agrobacterium* strains on persimmon (*Diospyros kaki* L.). Acta. Hortic. 392: 171-178.
- Tao, R., A. M. Dandekar, S. L. Uratsu, P. V. Vail and J. S. Tebbets. 1997. Engineering genetic resistance against insects in Japanese persimmon using *cryIA(C)* gene of *Bacillus thuringiensis*. J. Amer. Soc. Hort. Sci. 122: 764-771.
- Tenant, P. F., C. Gonsalves, K.-S. Ling, M. Fitch, R. Manshardt, J. L. Slightom and D. Gonsalves. 1994. Differential protection against papaya ringspot virus isolates in coat protein gene transgenic papaya and classically cross-protected papaya. Phytopathology 84: 1359-1366.
- Terakawa, T., N. Takaya, H. Horiuch, M. Koike and M. Takagi. 1997. A fungal chitinase gene from *Rhizopus oligosporus* confers antifungal activity to transgenic tobacco. Plant Cell Rep. 16: 439-443.
- Uchimiya, H., T. Handa and D. S. Brar. 1989. Transgenic plants. J. Biotechnol. 12: 1-20.
- Uematsu, C., M. Murase, H. Ichikawa and J. Imamura. 1991. *Agrobacterium*-mediated transformation and regeneration of kiwi fruit. Plant Cell Rep. 10: 286-290.
- Vandekerckhove, J., J. Van Damme, M. Van Lijsebettens, J. Boterman, M. De Block,

- M. Vandewiele, A. De Clercq, J. Leemans, M. Van Montagu and E. Krebbers. 1989. Enkephalins produced in transgenic plants using modified 2S seed storage protein. *Bio/Technology* 7: 929-932.
- Vardi, A., S. Bleichman and D. Aviv. 1990. Genetic transformation of *Citrus* protoplasts and regeneration of transgenic plants. *Plant Sci.* 69: 199-206.
- Vervliet, G., M. Holsters, H. Teuchy, M. Van Montagu and J. Schell. 1975. Characterization of different plaque-forming and defective temperate phages in *Agrobacterium* strains. *J. Gen. Virol.* 26: 33-48.
- Vierheilig, H., M. Alt, J.-M. Neuhaus, T. Boller and A. Wiemken. 1993. Colonization of transgenic *Nicotiana sylvestris* plants, expressing different forms of *Nicotiana tabacum* chitinase, by the root pathogen *Rhizoctonia solani* and by the mycorrhizal symbiont *Glomus mosseae*. *Mol. Plant-Microbe. Interact.* 6: 261-264.
- 渡辺慶一. 1992. キウイフルーツの増殖並びに開花・結実に関する生理生態学的研究. 日本大学審査学位(博士)論文. p.19-24.
- 山田員人, 松本敏一, 春木和久. 1987. カキの種子内胚軸部からの不定芽形成. 園芸雑誌 64(別2): 154-155.
- Yamada, M. 1993. Persimmon breeding in Japan. *JARQ* 27: 33-37.
- 山田昌彦. 1997a. 早生の優良な完全甘ガキをめざして(1). 農業および園芸. 72: 491-492.
- 山田昌彦. 1997b. 早生の優良な完全甘ガキをめざして(2). 農業および園芸. 72: 583-584.
- 山田昌彦. 1998. 農業技術体系 果樹編 4. 追録第 13 号. カキの起源と分類. p.107-112. 農文協. 東京.
- Yamada, M. and H. Yamane. 1994. Genetic analysis of Japanese persimmon fruit weight. *J. Amer. Soc. Hort. Sci.* 119: 1298-1302.
- Yamada, M. and H. Yamane. 1997. Relationship between the observed and predicted distribution of offspring for fruit ripening time and fruit weight in Japanese

persimmon. *Scientia Hortic.* 69: 157-167.

Yamakawa, Y. and L.-H. Chen. 1996. *Agrobacterium rhizogenes*-mediated transformation of kiwifruit (*Actinidia deliciosa*) by direct formation of adventitious buds. *J. Japan. Soc. Hort. Sci.* 64: 741-747.

山本俊哉, 池谷祐幸, 家城洋之, 西澤洋子, 能塙一徳, 林 建樹, 松田長生. 1998. キチナーゼ遺伝子導入による菌類病抵抗性ブドウの作出. 育雑. 48(別2): 136.

山本俊哉, 池谷祐幸, 家城洋之, 西澤洋子, 能塙一徳, 日比忠明, 林 建樹, 松田長生. 1999. キチナーゼ遺伝子導入による菌類病抵抗性ブドウの作出. II 導入遺伝子の発現と抵抗性との関連. 園学雑. 68(別1): 65.

山下 聰, 市川裕章, 伊藤義文, 大橋祐子. 1995. アグロバクテリウムで安定に保持されるバイナリーベクターの開発とその利用. 育雑. 45(別1): 56.

Yao, J.-L., D. Cohen, R. Atkinson, K. Richardson and B. Morris. 1995. Regeneration of transgenic plants from the commercial apple cultivar Royal Gala. *Plant Cell Rep.* 14: 407-412.

Yao, J.-L., J.-H. Wu, A. P. Gleave and B. A. M. Morris. 1996. Transformation of citrus embryogenic cells using particle bombardment and production of transgenic embryos. *Plant Sci.* 113: 175-183.

Yazawa, M., C. Suginuma, K. Ichikawa, H. Kamada and T. Akihama. 1995. Regeneration of transgenic plants from hairy root of kiwi fruit (*Actinidia deliciosa*) induced by *Agrobacterium rhizogenes*. *Breed. Sci.* 45: 241-244.

Yokoyama, T. and M. Takeuchi. 1988. Relationship between ontogenetic age and formation of bud from leaf segments in Japanese persimmon, *Diospyros kaki*, Thunb. *Plant Tissue Culture Letters* 5: 6-10.

Yoshikawa, M., M. Tsuda and Y. Takeuchi. 1993. Resistance to fungal diseases in transgenic tobacco plants expressing the phytoalexin elicitor-releasing factor, β

- 1,3-endoglucanase, from soybean. Naturwissenschaften 80: 417-420.
- Zambryski, P., H. Joos, C. Genetello, J. Leemans, M. Van Montagu and J. Schell. 1983. Ti plasmid vector for the introduction of DNA into plant cells without alteration of their normal regeneration capacity. EMBO J. 2: 2143-2150.
- Zhu, Q. , E. A. Maher, S. Masoud, R. A. Dixon and C. J. Lamb. 1994. Enhanced protection against fungal attack by constitutive co-expression of chitinase and glucanase genes in transgenic tobacco. Bio/Technology 12: 807-812.
- Zhu, Z., K. W. Hughes, L. Huang, B. Sun, C. Liu, Y. Li, Y. Hou and X. Li. 1994. Expression of human α -interferon cDNA in transgenic rice plants. Plant Cell Tissue Organ Cult. 36: 197-204.