

Thomas J. Gianfagna

Plant Biology and Pathology Department. Rutgers University, 59 Dudley Road, New Brunswick, NJ 08901

Professional Preparation:

State University of New York at Binghamton, Biology, B.S. 1973
Virginia Polytechnic Institute (VA Tech), Plant Physiology, M.S. 1975
Cornell University, Plant Physiology, Ph.D. 1980
MSU-DOE Plant Research Laboratory, Post Doctoral Fellow, 80-81

Appointments:

Professor, Rutgers University 00- present
Visiting Scientist, Waksman Institute of Microbiology 92-93
Associate Professor, Rutgers University 87-00
Assistant Professor, Rutgers University 81-86

Professional service:

Associate Editor, *Plant Growth Regulation*, Springer, 1997-present
Editor-in-Chief, *Plant Growth Regulation*, Kluwer Academic Publishers, 1993-1996
Associate Editor, *Plant Growth Regulation*, Kluwer Academic Publishers, 1988-1992

Member, Advisory Board, Ornamental Horticulture Curriculum, Mercer County Community College, Trenton, NJ 1995-present

Member, Advisory Board, Jersey Flora, Inc., New Brunswick, NJ 2000-present

Lecturer, Rutgers University Continuing and Professional Education. Golf Turf Management School. Fall (3 lectures), Spring (3 lectures)

Publications (2004-2009):

1. Xing J, Xu Y, Tian J, Gianfagna T, Huang B (2009) Transformation of a perennial grass species with an *ipt* gene controlling cytokinin synthesis associated with suppression of shade or heat-induced leaf senescence. *Plant Cell Reports* (in press)
2. Xu, Y, Tian J, Gianfagna T, Huang B (2009) Effects of *SAG12-ipt* expression on cytokinin production, growth and senescence of creeping bentgrass (*Agrostis stolonifera* L.) under heat stress. *Plant Growth Regul* (in press)
3. Chaves FC and TJ Gianfagna. 2007. Cacao leaf procyanidins increase locally and systemically in response to infection by *Moniliophthora perniciosa* basidiospores. *Physiol. Mol. Plant Path.* 70:174-179
4. Chaves FC and TJ Gianfagna. 2007. Necrotrophic phase of *Moniliophthora perniciosa* causes salicylic acid accumulation in infected stems of cacao. *Physiol. Mol. Plant Path.* 69: 104-108
5. Kalkunte SS, Singh AP, Chaves FC, Gianfagna TJ, Pundir VS, Jaiswal AK, Vorsa N, Sharma S. 2007. Anti-depressant and anti-stress activity of GC-MS characterized lipophilic extracts of Ginkgo biloba leaves. *Phytotherapy Research* 21:1061-1069

6. Watkins E, Gianfagna TJ, Sun R, and WA Meyer. Volatile compounds of tufted hairgrass. 2006. *Crop Sci.* 46:2575-2580
7. Aneja M, Gianfagna TJ and P.K. Hebbar. 2006. *Trichoderma harzianum* produces nonanoic acid, an inhibitor of spore germination and mycelial growth of two cacao pathogens. *Physiol. Mol. Plant Path.* 67: 304-307
8. Vega FE, Posada, F, Gianfagna. TJ, F Chaves and Peterson SW. 2006. An insect parasitoid carrying an ochratoxin producing fungus. *Naturwissenschaften* 93:297-299
9. Vega FE, Posada, F, Peterson, SW, Gianfagna. TJ and F Chaves. 2006. *Penicillium* species endophytic in coffee plants and ochratoxin A. *Mycologia* 98: 37-46
10. Fleischer, D.H., Logendra L.S., Moreau, C., Both A.J., Cavazzoni J., Gianfagna, T.J., Lee, T.C. and H.W. Janes 2006. Effects of temperature perturbations on tomato (*Lycopersicon esculentum* Mill.) quality and production scheduling. *J. Hort. Sci Biotech.* 81: 125-131
11. Xing, J., Li, X., Luo, Y., Gianfagna, T.J and H.W. Janes. 2005. Isolation and expression analysis of two tomato ADP-glucose pyrophosphorylase S (large) subunit gene promoters. *Plant Sci.* 169: 882-893
12. Luo, Y.Y., Gianfagna, T.J., Janes, H.W., Huang, B., Wang, Z. and J. Xing 2005. Expression of the *ipt* gene with the AGPase S1 promoter in tomato results in unbranched roots and delayed leaf senescence. *Plant Growth Regul.* 47: 47-57.
13. Logendra, L.S., Mun J.G., Gianfagna, T.J. and H.W. Janes 2004. Ethephon Concentrates and Advances Harvest for Limited Cluster Greenhouse Tomato Crops. *HortScience* 39: 1650-1651
14. Logendra, L.S., Gianfagna, T.J. and H.W. Janes 2004. Preventing Side Shoot Development with C8/C10 Fatty Acids Increases Yield and Reduces Pruning Time in Greenhouse Tomato. *HortScience* 39:1652-1654