

JOSEPH GOFFREDA

Associate Professor
Department of Plant Science
Cook College, Rutgers University
and
Director, Rutgers Fruit and Ornamental R&E Center

EDUCATION:

Ph.D. Cornell University, Ithaca, NY, Aug 1988.
B.S. Cook College, Rutgers University, New Brunswick, NJ, May 1983.

PROFESSIONAL EXPERIENCE:

1995- *Associate Research Professor and Director Rutgers Fruit Research and Extension Center, Cream Ridge.* Department of Plant Science, Cook College, Rutgers University, New Brunswick, NJ 08903.
1989-95 *Assistant Research Professor.* Department of Horticulture, Cook College, Rutgers University, New Brunswick, NJ 08903.
1988-89 *Postdoctoral Research Associate.* Department of Plant Breeding, Cornell University, Ithaca, NY 14850.
1983-88 *Graduate Research Assistant.* Department of Plant Breeding, Cornell University, Ithaca, NY 14850.

HONORS AND AWARDS:

2001 USDA, Secretary of Agriculture's Honor Award
2000 Award for Excellence, Northeastern Regional Association of State Agricultural Experiment Station Directors
1999 Cook College Leadership Teaching Excellence Award
1989 Henry Rutgers Research Fellow
1983 New York Florist Club Award for Best Scholastic Record in Horticulture
1982 Richard E. Walter Scholarship for Leadership in Horticulture

PROFESSIONAL SERVICE:

2005-present Co-Chair, Millstone Twp. Shade Tree Commission
1995-present Director, Rutgers Fruit & Ornamental Research and Extension Center
1993-present Member, *Prunus* Crop Advisory Committee
1991-present Member, Apple Crop Advisory Committee
1989-present Member, Technical Advisory Committee, Regional Project NE-9, Plant Genetic Resource Conservation and Utilization

RESEARCH/SCHOLARSHIP:Refereed Journal Publications:

1. Molnar T. J., S. A. Mehlenbacher, D. E. Zaurov, and J. C. Goffreda. 2007. Survey of Hazelnut germplasm from Russia and Crimea for response to eastern filbert blight. *HortScience*. 42: 51-56.
2. Janick, J., Goffreda, J.C., and Korban, S.S. 2006. 'Co-op 39' (CrimsonCrisp) apple. *HortScience*. 41:465-466.
3. Molnar T. J., S. N. Baxer, and J. C. Goffreda. 2005. Accelerated screening of hazelnut seedlings for resistance to eastern filbert blight. *HortScience*. 40:1667-1669
4. Mavlyanova R. F., F. K. Abdullaev, P. Khodjiev, D. E. Zaurov, T. J. Molnar, J. C. Goffreda, T. J. Orton, and C. R. Funk. 2005. Plant genetic resources and scientific activities of the Uzbek Research Institute of Plant Industry. *HortScience*. 40:5-9.
5. Yezhov, V. N., A. V. Symykov, V. K. Smykov, S. Y. Khokhlov, D. E. Zaurov, S. A. Mehlenbacher, T. J. Molnar, J. C. Goffreda, and C. R. Funk. 2005. Genetic Resources of Temperate and Subtropical Fruit and Nut Species at the Nikita Botanical Gardens. *HortScience*. 40:10-14.
6. Mirzaev M. M., U. M. Djavacynce, D. E. Zaurov, J. C. Goffreda, T. J. Orton, E. R. Remmers, and Funk CR. 2004. The Schroeder Institute in Uzbekistan: Breeding and germplasm collections. *HortScience* 39: 917-921.
7. Janick, J., J. C. Goffreda, and S. S. Korban. 2004. 'Co-op 29' (Sundance™) apple. *HortScience*. 39 (2): 450-451
8. Janick, J., J. C. Goffreda, and S. S. Korban. 2004. 'Co-op 33' (Pixie Crunch™) apple. *HortScience*. 39 (2): 452-453.
9. Korban, S. S. . J. C. Goffreda, and J. Janick. 2003. 'Co-op 43' (Juliet™) Apple. *HortScience*. 38:144-145.
10. Janick, J., J. C. Goffreda, and S. S. Korban. 2000. 'Co-op 25' (Scalet O'Hara™) Apple. *HortScience*. 35:150-151.
11. Granger, R.L., S. Khanizadeh, Y. Groleau, C.N. Fortin, J. Janick, J.C. Goffreda, and S.S. Korban. 1997. 'Primevere' Apple. *HortScience* 32:331-332.
12. Warburton, M.L., V.L. Becerra-Velasquez, J.C. Goffreda, and F.A. Bliss. 1996. Utility of RAPD markers in identifying genetic linkages to genes of economic interest in peach. *Theor. Appl. Genet.* 93:920-925.

13. Janick, J., J. A. Crosby, P. C. Pecknold, J. Goffreda, and S. S. Korban. 1995. 'Pristine' apple. *HortScience* 30:1312-1313.
14. Goffreda, J. C., A. Voordeckers, and S.A. Mehlenbacher. 1995. 'NJ55' apple. *HortScience* 30:387-388.
15. Goffreda, J. C., A. Voordeckers, L. Butenis-Vorsa, W. P. Cowgill, Jr., M. H. Maletta, and J. L. Frecon. 1995. 'NJA53' apricot. *HortScience* 30:389-390.
16. Goffreda, J. C., A. Voordeckers, L. Butenis-Vorsa, W. P. Cowgill, Jr., M. H. Maletta, and J. L. Frecon. 1995. 'NJ54' apricot. *HortScience* 30:385-386.
17. Goffreda, J. C., A. L. Scopel, and J. A. Fiola. 1995. Indole butyric acid induces regeneration of phenotypically normal apricot (*Prunus armeniaca* L.) plants from immature embryos. *Plant Growth Regulation* 17:41-46.
18. Chen, Qi, G. Jelenkovic, C-K Chin, S. Billings, J. Eberhardt, P. Day, and J. C. Goffreda. 1995. Transfer and transcriptional expression of Coleopteran *cryIIIB* endotoxin gene of *Bacillus thuringiensis* in eggplant (*Solanum melongena* L.). *J. Amer. Soc. Hort. Sci.* 120:921-927.
19. Novy, R. G., C. Kobak, J. Goffreda, and N. Vorsa. 1994. RAPDs identify varietal misclassification and regional divergence in cranberry [*Vaccinium macrocarpon* (Ait.) Pursh]. *Theor. Appl. Genet.* 88:1004-1010.
20. Crosby, J. A., J. Janick, P. C. Pecknold, J. Goffreda, and S. S. Korban. 1994. 'Enterprise' apple. *HortScience* 29:825-826.
21. Crosby, J. A., J. Janick, P. C. Pecknold, J. Goffreda, and S. S. Korban. 1994. 'GoldRush' apple. *HortScience* 29:827-828.
22. Beers, S. C., J. Goffreda, T. D. Phillips, J. P. Murphey, and M. E. Sorrells. 1993. Assessment of genetic variation in *Avena sterilis* using morphological traits, isozymes, and RFLPs. *Crop Sci.* 33:1386-1393.
23. Gussman, C. D. , J.C. Goffreda, and T. J. Gianfagna. 1993. Rates of ethylene production and softening in several apple fruit ripening variants. *HortScience* 28:135-137.
24. Goffreda, J. C., W. B. Burnquist, S. Beers, S. D. Tanksley, and M. E. Sorrells. 1992. Application of molecular markers to assess genetic relationships among accessions of wild oat, *Avena sterilis*. *Theor. Appl. Genet.* 85:146-151.
25. Crosby, J. A., J. Janick, S. S. Korban, P. A. O'Connor, S. M. Ries, J. Goffreda, and A. Voordeckers. 1992. Breeding apples for scab resistance:1945-1990. *Fruit Var. J.* 46:145-166.

26. Goffreda, J. C., A. M. Voordeckers, S. A. Mehlenbacher and J. L. Frecon. 1992. 'Jerseypink' ornamental peach. *HortScience* 27:183.
27. Durner, E. F., D. F. Polk, and J. C. Goffreda. 1992. Low input apple production systems: Consumer acceptance of disease resistant cultivars. *HortScience* 2:177-179.
28. Durner, E. F. and J. C. Goffreda. 1992. Rootstock induced differences in flower bud phenology in peach. *J. Amer. Soc. Hort. Sci.* 117:690-697.
29. Goffreda, J. C., A. M. Voordeckers, and J. L. Frecon. 1991. 'Ernie's Choice' peach. *HortScience* 26:1090.
30. Goffreda, J. C., J. M. Armstrong Nick, S. A. Mehlenbacher, and N. Vorsa. 1991. Inheritance of isozymes in peach X *Prunus davidiana* and peach x *P. kansuensis* hybrids. *Euphytica* 54:161-168.
31. Goffreda, J. C., J. C. Steffens, and M. A. Mutschler. 1990. Association of epicuticular sugar esters with aphid resistance in hybrids with wild tomato. *J. Amer. Soc. Hort. Sci.* 115:161-165.
32. Goffreda, J. C., E. J. Szymkowiak, I. M. Sussex, and M. A. Mutschler. 1990. Chimeric tomato plants show that aphid resistance and triacylglycerol production are epidermal autonomous characters. *The Plant Cell*. 2:643-649.
33. Goffreda, J. C., M. A. Mutschler, D. A. Ave., W. M. Tingey, and J. C. Steffens. 1989. Aphid deterrence by glucose esters in glandular trichome exudate of the wild tomato, *Lycopersicon pennellii*. *J. Chem. Ecol.* 15:2135-2147.
34. Goffreda, J. C. and M. A. Mutschler. 1989. Inheritance of potato aphid resistance in hybrids between *Lycopersicon esculentum* and *L. pennellii*. *Theor. Appl. Genet.* 78:210-216.
35. Goffreda, J. C., M. A. Mutschler, and W. M. Tingey. 1988. Feeding behavior of potato aphid affected by glandular trichomes of wild tomato. *Entomol. Exp. Appl.* 48:101-107.

Patents Awarded:

1. Goffreda, J. C, and A. M. Voordeckers. 2008. Peach tree named 'NJF17'. U.S. Plant Patent No. PP19,383.
2. Goffreda, J. C, and A. M. Voordeckers. 2008. Peach tree named 'NJ350'. U.S. Plant Patent No. PP19,382.

3. Goffreda, J. C, and A. M. Voordeckers. 2008. Peach tree named 'NJF18'. U.S. Plant Patent No. PP19,273.
4. Goffreda, J. C, and A. M. Voordeckers. 2008. Peach tree named 'NJF16'. U.S. Plant Patent No. PP18,997.
5. Goffreda, J. C, and A. M. Voordeckers. 2008. Apricot tree named 'NJA150'. U.S. Plant Patent No. PP18,639.
6. Goffreda, J. C, and A. M. Voordeckers. 2007. Peach tree named 'NJ351'. U.S. Plant Patent No. PP18,224.
7. Goffreda, J. C, and A. M. Voordeckers. 2007. Nectarine tree named 'NJN100'. U.S. Plant Patent No. PP18,147.
8. Goffreda, J. C, and A. M. Voordeckers. 2007. Peach tree named 'NJ353'. U.S. Plant Patent No. PP18,134.
9. Goffreda, J. C, and A. M. Voordeckers. 2007. Peach tree named 'NJ352'. U.S. Plant Patent No. PP18,091.
10. Goffreda, J. C, and A. M. Voordeckers. 2006. Peach tree named 'H28-52-96270'. U.S. Plant Patent No. PP16,836.
11. J. Janick, J., E.B. Williams, J. C. Goffreda, and S. S. Korban. 2006. Apple tree named 'Co-op 39'. U.S. Plant Patent No. PP16,622.
12. J. Janick, S. S. Korban, and J. Goffreda. 2002. Apple tree 'Co-op 25'. U.S. Plant Patent No. 12,323.
13. Goffreda, J. C. and A. M. Voordeckers. 2000. Annavordeckers. European Union Decision No.6608.
14. Janick, J., E. B. Williams, J. A. Crosby, P. C. Pecknold, S. S. Korban, and J. Goffreda. 1997. Apple tree 'Co-op 32'. U.S. Plant Patent No. 9,881.
15. Goffreda, J. C. 1996. 'Rutbhart' apricot. European Union Dossier No. EU0463.
16. Crosby, J. A., J. Janick, E. B. Williams, J. Goffreda, D. F. Dayton, P. C. Pecknold, and S. S. Korban. 1995. Apple tree 'GoldRush'. U.S. Plant Patent No. 9,392.
17. Goffreda, J. C. 1995. Apricot tree 'NJA53'. US Plant Patent No. 9,255.
18. Goffreda, J. C. and A. M. Voordeckers. 1994. Apple tree 'NJ109'. US Plant Patent No. 9,123.

19. Goffreda, J. C. 1994. 'Rutbhart' apricotier. French C.O.V. 08198.
20. Goffreda, J. C. 1994. Apricot tree 'NJA54'. US Plant Patent No. 8,674.
21. Goffreda, J. C. and A. M. Voordeckers. 1994. Apple tree 'NJ55'. US Plant Patent No. 8,648.
22. Crosby, J. A., J. Janick, E. B. Williams, S. S. Korban, J. Goffreda, and P. C. Pecknold. 1993. Apple tree 'Enterprise'. US Plant Patent No. 9,193.
23. Mutschler, M. A., J. C. Steffens, J. C. Goffreda, and W. M. Tingey. 1990. 2,3,4,-Triacylhexose insect repellents. US Patent number 4,943,563.

Other Publications:

1. Molnar, T. J., J. C. Goffreda, and C. R. Funk. 2005. Developing hazelnuts for the eastern United States. *Acta Horticulturae* 686:609-617.
2. Goffreda, J. C. 1999. White-fleshed Peach and Apricot Breeding. *Compact Fruit Tree* 32:123-127.
3. Goffreda, J. C. 1998. Is there a white peach in your future? Tri-State Horticultural Meeting, Jan 27 - Jan 29, Hershey, PA. *Pennsylvania Fruit News* 78:43-45.
4. Mignani, I. and J. Goffreda. 1998. Effect of propylene on ripening of different flesh type peaches. *ATTI IV Giornate Scientifiche, Societa Orticola Italiana*, April 1-April 3, Sanremo, Italy. 4: 621-622.
5. Goffreda, J. C. 1995. New stone fruit cultivars from breeding programs. Annual Tri-State Horticultural Meetings and Trade Show, Jan 31 - Feb.2, Hershey, PA. *Pennsylvania Fruit News* 75:64-69.
6. Goffreda, J. C., A. M. Voordeckers, S. S. Korban, S. M. Ries, and J. Janick. 1995. Co-op 39 to 44: Six disease-resistant apple selections released for advanced testing. New Jersey Agricultural Experiment Station Report Series N.. R-12001-2-95. 10 pp.
7. Maness, N. O., D. Chrz, S. Hegde, and J. C. Goffreda. 1993. Cell wall changes in ripening peach from cultivars differing in softening rate. *Acta Hortic.* 343:200-203.
8. Crosby, J. A., J. Janick, P. C. Pecknold, S. S. Korban, S. M. Ries, J. Goffreda, and A. Voordeckers. 1993. Co-op 32 to 38: seven disease-resistant apple selections released for advanced testing. *Purdue Univ. Agri. Expt. Stat. Bull. No. 658.* 14 pp.

9. Crosby, J. A., J. Janick, P.C. Pecknold, S. S. Korban, P. A. O'Connor, S. M. Ries, J. Goffreda, and A. Voordeckers. 1992. Breeding apples for scab resistance:1945-1990. *Acta Hortic.* 317:43-70.
10. Polk, D. F., E. F. Durner, J. C. Goffreda, and G. F. Rizio. 1992. Consumer acceptance trials with named and numbered disease resistant cultivars in 1991. *Northeast LISA Apple Production Newsletter* 3:3-11.
11. Goffreda, J. C. and J. L. Frecon. 1990. Commercially planted varieties developed by/or originating in NJ 1980-1990. *The Great Lakes Fruit Growers News*. November 1990.
12. Goffreda, J. C. and M. A. Mutschler. 1988. Origin and release of breeding line NY 871095-6 resistant to *Fusarium* race 3. *TGC Report* 38:50.