

## Jonathan F. Wendel

### Academic Training

B.S., University of Michigan (1976)  
M.S., University of North Carolina (1980)  
Ph.D., University of North Carolina (1983)

### Academic Positions

5/83-7/86: Geneticist, USDA, ARS, Genetics Dept., North Carolina State University  
8/86-7/91: Assistant Professor of Botany, Dept. of Botany, Iowa State University  
8/91-7/96: Associate Professor of Botany, Dept. of Botany, Iowa State University  
12/97-6/98: Jacob Meyerhoff Visiting Professor, Weizmann Institute, Rehovot, Israel  
8/96-6/2002: Professor of Botany, Dept. of Botany, Iowa State University  
7/2002-6/2003: Interim Chair, Department of Ecology, Evolution, & Organismal Biology, Iowa State University  
7/2003-present: Chair, Department of Ecology, Evolution, & Organismal Biology, Iowa State University, Iowa State University  
7/2012-present: Distinguished Professor, Department of Ecology, Evolution, & Organismal Biology, Iowa State University, Iowa State University

### Honors and Awards

*Outstanding Achievement in Research*, Iowa State University, 1999  
*Master Teacher*, College of Liberal Arts and Sciences, Iowa State University, 2005  
*Outstanding Achievement in Departmental Leadership*, Iowa State University, 2009  
*Fellow, American Association for the Advancement of Science*, 2010  
*Outstanding Contributions to Cotton Genomics award, ICGI*, 2012  
*Distinguished Professor*, Iowa State University, 2012  
*Cotton Biotechnology Award*, Cotton Incorporated, 2013  
*Distinguished Fellow, Botanical Society of America*, 2015  
*Distinguished Scholar, Crop Science Society of America*, 2015

### Publications

Wendel, J.F. and C.R. Parks. 1979. The application of electrophoresis to taxonomic and breeding problems in *Camellia*. *Camellia Journal* 34: 39-41.  
Wendel, J.F. 1980. Enzyme extraction from a tannin-rich plant. *Isozyme Bulletin* 13:116.  
Wendel, J.F. and C.R. Parks. 1982. Genetic control of isozyme variation in *Camellia japonica* L. (Theaceae). *Journal of Heredity* 73: 197-204.  
Parks, C. R., N. G. Miller, J. F. Wendel and K. M. McDougal. 1983. Genetic divergence in the genus *Liriodendron*. *Annals of the Missouri Botanical Garden* 70: 658-666.  
Wendel, J.F. and C.R. Parks. 1982. Cultivar characterization and nomenclatural clarification by protein electrophoresis in *Camellia japonica* L. *American Camellia Society Yearbook* 37: 19-32.  
Wendel, J.F. 1983. Electrophoretic analysis of genetic variation in wild and cultivated *Camellia japonica* L. Ph.D. dissertation. University of North Carolina, Chapel Hill.  
Cardy, B.J., C.W. Stuber, J.F. Wendel, and M.M. Goodman. 1983. Techniques for starch gel electrophoresis of enzymes from maize (*Zea mays* L.). 2nd revised edition. Institute of Statistics Mimeograph Series no. 1317R, North Carolina State University.

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- Wendel, J.F. and C.R. Parks. 1983. Cultivar identification in *Camellia japonica* L. using allozyme polymorphisms. *Journal of the American Society of Horticultural Science* 108:290-295.
- Wendel, J.F. 1984. Electrophoretic identification of polyploid *Camellia japonica* cultivars and evidence for their sexual origin. *Plant Systematic and Evolution* 145: 223-226.
- Wendel, J.F. and C.R. Parks. 1984. Distorted segregation and linkage of alcohol dehydrogenase genes in *Camellia japonica* L. (Theaceae). *Biochemical Genetics* 22: 739-748.
- Wendel, J.F. and C.W. Stuber. 1984. Plant Isozymes: Enzymes studied and buffer systems for their electrophoretic resolution in starch gels. *Isozyme Bulletin* 17:4-11.
- Wendel, J.F. and C.R. Parks. 1985. Genetic diversity and population structure of *Camellia japonica* L. (Theaceae). *American Journal of Botany* 72: 52-65.
- Wendel, J.F., C.W. Stuber, and M.M. Goodman. 1985. Twelve new isozyme loci in maize: Progress report on chromosomal locations, and the subunit composition and subcellular localization of their products. *Maize Genetics Cooperation News Letter* 59:87-88.
- Wendel, J.F., C.W. Stuber, and M.M. Goodman. 1985. Linkage relationships between a hexokinase locus and previously assigned loci on chromosome six. *Maize Genetics Cooperation News Letter* 59: 89-90.
- Wendel, J.F., C.W. Stuber, and M.M. Goodman. 1985. Localization of two new isozyme loci, *Hex1* and *Tpi4*, to chromosome 3. *Maize Genetics Cooperation News Letter* 59:88.
- Wendel, J.F., C.W. Stuber, and M.M. Goodman. 1985. Mapping data for 34 isozyme loci currently being studied. *Maize Genetics Cooperation News Letter* 59:90.
- Wendel, J.F. and J.B. Beckett. 1986. Further localization of *Tpi4* near the centromere on the long arm of chromosome 3. *Maize Genetics Cooperation News Letter* 60:119
- Wendel, J.F., C.W. Stuber, and M.M. Goodman. 1986. Additional mapping experiments with maize isozyme loci. *Maize Genetics Cooperation News Letter* 60:120-122.
- Wendel, J.F., C.W. Stuber, M.D. Edwards, and M.M. Goodman. 1986. Duplicated chromosome segments in *Zea mays* L.: Further evidence from hexokinase isozymes. *Theoretical and Applied Genetics* 72: 178-185.
- Edwards, M.D., C.W. Stuber, and J.F. Wendel. 1987. Molecular marker facilitated investigations of quantitative trait loci in maize: I. Numbers, genomic distribution, and types of gene action. *Genetics* 116: 113-125.
- Stuber, C.W., M.D. Edwards, and J.F. Wendel. 1987. Molecular marker facilitated investigations of quantitative trait loci in maize: II. Factors influencing yield and its component traits. *Crop Science* 27: 639-648.
- Wendel, J.F., M.D. Edwards, and C.W. Stuber. 1987. Evidence for multilocus genetic control of preferential fertilization in maize. *Heredity* 58: 297-301.
- Wendel, J. F. and J. B. Beckett. 1987. A new isozyme marker for the short arm of chromosome 6. *Maize Genetics Cooperation News Letter* 61:19.
- Sisco, P.H., J.F. Wendel, and C.W. Stuber. 1987. *Acp4* is the most distal marker on chromosome 1L. *Maize Genetics Cooperation News Letter* 61:86.
- Doebley, J.F., J.F. Wendel, S.C. Smith, C.W. Stuber, and M.M. Goodman. 1988. The origin of cornbelt maize: the isozyme evidence. *Economic Botany* 42: 120-132.
- Wendel, J.F., M.M. Goodman, C.W. Stuber, and J.B. Beckett. 1988. New isozyme systems for maize (*Zea mays* L.): Aconitate hydratase, adenylate kinase, NADH dehydrogenase, and shikimate dehydrogenase. *Biochemical Genetics* 26: 421-445.
- Stuber, C.W., J.F. Wendel, M.M. Goodman, and J.S.C. Smith. 1988. Techniques and scoring procedures for starch gel electrophoresis of enzymes from maize (*Zea mays* L.). *North Carolina State Experiment Station Technical Bulletin* 286. North Carolina State University, Raleigh. 87pp.

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- Weeden, N.F. and J.F. Wendel. 1989. Genetics of Plant Isozymes. In: D.E. Soltis and P.M. Soltis (eds.), *Isozymes in Plant Biology*, pp 46-72. Dioscorides Press, Portland, Oregon.
- Wendel, J.F. 1989. New World tetraploid cottons contain Old World cytoplasm. *Proceedings of the National Academy of Science USA* 86: 4132-4136.
- Wendel, J.F. and N.F. Weeden. 1989. Visualization and Interpretation of Plant Isozymes. In: D.E. Soltis and P.M. Soltis (eds.), *Isozymes in Plant Biology*, pp. 5-45. Dioscorides Press, Portland, Oregon.
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- Wendel, J.F., P.D. Olson and J.M. Stewart. 1989. Genetic diversity, introgression and independent domestication of Old World cultivated cottons. *American Journal of Botany* 76: 1795-1806.
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