

LIST OF PUBLICATIONS COMPILED BY
L. D. GOTTLIEB AND V. S. FORD
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SECTION OF EVOLUTION AND ECOLOGY

1. 1968 Gottlieb, L.D. Hybridization between *Arctostaphylos viscida* and *A. canescens* in Oregon. *Brittonia* 20:83-93.
2. 1971 Gottlieb, L.D. Evolutionary relationships in the outcrossing diploid annual species of *Stephanomeria* (Compositae). *Evolution* 25:312-329.
3. 1971 Gottlieb, L.D. Gel electrophoresis: New approach to the study of evolution. *BioScience* 21:939-944.
4. 1972 Gottlieb, L.D. Levels of confidence in the analysis of hybridization in plants. *Annals of the Missouri Botanical Gardens* 59:435-446.
5. 1972 Gottlieb, L.D. A proposal for classification of the annual species of *Stephanomeria* (Compositae). *Madrono* 21:463-481.
6. 1973 Gottlieb, L.D. Genetic differentiation, sympatric speciation and the origin of a diploid species of *Stephanomeria*. *American Journal of Botany* 60:545-553.
7. 1973 Gottlieb, L.D. Enzyme differentiation and phylogeny in *Clarkia franciscana*, *C. rubicunda* and *C. amoena*. *Evolution* 27:205-214.
8. 1973 Gottlieb, L.D. Genetic control of glutamate oxaloacetate transaminase isozymes in the diploid plant *Stephanomeria exigua* and its allotetraploid derivative. *Biochemical Genetics* 9:97-107.
9. 1974 Gottlieb, L.D. Gene duplication and fixed heterozygosity for alcohol dehydrogenase in the diploid plant *Clarkia franciscana*. *Proceedings of the National Academy of Sciences, USA* 71:1816-1818.
10. 1974 Gottlieb, L.D. The utility of electrophoretic analysis of long-lived plants and seeds for the study of evolution. *Evolution* 28:483-484.
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15. 1976 Gottlieb, L.D. Biochemical consequences of speciation in plants. In: F.J. Ayala, editor, *Molecular Evolution*, Sinauer Associates, Sunderland, Massachusetts, pages 123-140.
16. 1976 Gottlieb, L.D. and G. Pilz. Genetic similarity between *Gaura longiflora* and its obligately outcrossing derivative *C. demareei*. *Systematic Botany* 1:181-187.
17. 1976 Roose, M.L. and L.D. Gottlieb. Genetic and biochemical consequences of polyploidy in *Tragopogon*. *Evolution* 30:818-830.
18. 1977 Gottlieb, L.D. Phenotypic similarity of *Stephanomeria exigua* ssp. *coronaria* and its recent derivative "Malheurensis." *American Journal of Botany* 64:873-880.
19. 1977 Gottlieb, L.D. Electrophoretic evidence and plant systematics. *Annals of Missouri Botanical Gardens* 64:161-180.
20. 1977 Gottlieb, L.D. Genotypic similarity of large and small individuals in a natural population of the annual plant *Stephanomeria exigua* ssp. *coronaria*. *Journal of Ecology* 65:127-134.
21. 1977 Gottlieb, L.D. Evidence for duplication and divergence of the structural gene for phosphoglucosomerase in diploid species of *Clarkia*. *Genetics* 86:289-308.
22. 1978 Gottlieb, L.D. *Stephanomeria malheurensis*, a new species from Oregon. *Madrono* 25:44-46.
23. 1978 Roose, M. and L.D. Gottlieb. Stability of structural gene number in diploid species with different amounts of nuclear DNA and different chromosome numbers. *Heredity* 40:159-163.
24. 1978 Gottlieb, L.D. Allocation, growth rates and gas exchange in seedlings of *Stephanomeria exigua* ssp. *coronaria* and its recent derivative *S. malheurensis*. *American Journal of Botany* 65:970-977.
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27. 1979 Weeden, N.F. and L.D. Gottlieb. Distinguishing allozymes and isozymes of phosphoglucosomerase by electrophoretic comparison of pollen and somatic tissues. *Biochemical Genetics* 17:287-296.
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30. 1980 Roose, M.L. and L.D. Gottlieb. Alcohol dehydrogenase in the diploid plant *Stephanomeria exigua* (Compositae): gene duplication, mode of inheritance and linkage. *Genetics* 95:171-186.
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32. 1980 Roose, M.L. and L.D. Gottlieb. Biochemical properties and level of expression of alcohol dehydrogenases in the allotetraploid plant *Tragopogon miscellus* and its diploid progenitors. *Biochemical Genetics* 18:1065-1085.
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39. 1982 Gastony, G.J. and L.D. Gottlieb. Evidence for genetic heterozygosity in a homosporous fern. *American Journal Botany* 69:634-637.
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41. 1982 Gottlieb, L.D. Does speciation facilitate the evolution of adaptation? In C. Barigozzi, editor, Mechanisms of Speciation, Alan R. Liss, Inc., 150 Fifth Ave., New York, NY 10011, pp. 179-190.
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50. 1984 Gottlieb, L.D. Genetics and morphological evolution in plants. *American Naturalist* 123:681-709.
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54. 1984 Gottlieb, L.D. and R.C. Higgins. Evidence from subunit molecular weight suggests hybridization was the source of the phosphoglucose isomerase gene duplication in *Clarkia*. *Theoretical and Applied Genetics* 68:369-373.
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59. 1985 Warwick, S.I. and L.D. Gottlieb. Genetic divergence and geographic speciation in *Layia* (Compositae). *Evolution* 39:1236-1241.
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61. 1985 Gottlieb, L.D. Reply to Coyne and Lande. *American Naturalist* 126:146-150.
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69. 1987 Brauner, S. and L.D. Gottlieb. A self-compatible plant of *Stephanomeria exigua* subsp. *coronaria* (Asteraceae) and its relevance to the origin of its self-pollinating derivative *S. malheurensis*. *Syst. Bot.* 12:299-304.
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80. 1989 Holsinger, K.E. and L.D. Gottlieb. The conservation of rare and endangered plants. *Trends in Ecology and Evolution* 4:193-194.
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