

## ALGUNAS REFERENCIAS BIBLIOGRÁFICAS (BÁSICAS) SOBRE COEVOLUCIÓN

Compiladas por:

Pedro Jordano  
Estación Biológica de Doñana, CSIC  
Apdo. 1056, E-41080 Sevilla, Spain

jordano@CICA.ES  
<http://ebd10.ebd.csic.es>  
Voz: +34 5 4232340  
Fax: +34 5 4621125

Fecha act.: 23 Julio 1997

- Abrahamson, W.G. 1989. Plant-animal interactions: an overview. Pág. 1-22 in Abrahamson, W.G., ed. Plant-animal interactions. McGraw-Hill, New York.
- Addicott, J.F. 1981. Stability properties of 2-species models of mutualism: simulation studies. *Oecologia (Berl.)* 49: 42-49.
- Addicott, J.F., J.L. Bronstein, y F. Kjellberg. 1990. Evolution of mutualistic life-cycles: yucca moths and fig wasps. pág. 143-161 in Gilbert, F., ed. Genetics, evolution, and coordination of insect life cycles. Springer-Verlag, London.
- Aker, C.L. 1982. Spatial and temporal dispersion patterns of pollinators and their relationship to the flowering strategy of *Yucca whipplei* (Agavaceae). *Oecologia (Berl.)* 54: 243-252.
- Armbruster, W.S. 1991. Multilevel analysis of morphometric data from natural plant populations: insights into ontogenetic, genetic, and selective correlations in *Dalechampia scandens*. *Evolution* 45: 1229-1244.
- Armbruster, W.S. 1992. Phylogeny and the evolution of plant-animal interactions. *Bioscience* 42: 12-20.
- Armbruster, W.S. 1993. Evolution of plant pollination systems: hypotheses and tests with the neotropical vine *Dalechampia*. *Evolution* 47: 1480-1505.
- Atsatt, P.R., y D.J. O'Dowd. 1976. Plant defense guilds. *Science* 193: 24-29.
- Baker, H.G. 1963. Evolutionary mechanisms in pollination biology. *Science* 139: 877-883.
- Baker, H.G. 1970. Evolution in the tropics. *Biotropica* 2: 101-111.
- Baker, H.G. 1986. Yuccas and yucca moths—a historical commentary. *Ann. Missouri Bot. Gard.* 73: 556-564.
- Balick, M.J., D.G. Furth, y G. Cooper-Driver. 1978. Biochemical and evolutionary aspects of arthropod predation on ferns. *Oecologia (Berl.)* 35: 55-89.
- Barnard, C.J. 1984. Stasis: a coevolutionary model. *J. Theor. Biol.* 110: 27-34.
- Bawa, K.S. 1990. Plant-pollinator interactions in tropical rain forests. *Ann. Rev. Ecol. Syst.* 21: 399-422.
- Beattie, A.J. 1989. Myrmecotrophy: plants fed by ants. *Trends Ecol. Evol.* 4: 172-176.
- Beck, K., J.P. Keener, y P. Ricciardi. 1984. The effect of epidemics on genetic evolution. *J. Math. Biol.* 19: 79-94.

- Beck, K. 1984. Coevolution: mathematical analysis of host-parasite interactions. *J. Math. Biol.* 19: 63-77.
- Benson, W.W., K.S. Brown Jr., y L.E. Gilbert. 1975. Coevolution of plants and herbivores: passion flower butterflies. *Evolution* 29: 659-680.
- Berembaum, M., y P. Feeny. 1981. Toxicity of angular furanocoumarins to swallowtail butterflies: escalation in a coevolutionary arms race? *Science* 212: 927-929.
- Berenbaum, M.R. 1990. Evolution of specialization in insect-umbellifer associations. *Ann. Rev. Entomol.* 35: 319-343.
- Bernays, E.A. 1989. Host range in phytophagous insects: the potential role of generalist predators. *Evol. Ecol.* 3: 299-311.
- Boucher, D.H., S. James, y K.H. Keeler. 1982. The ecology of mutualism. *Ann. Rev. Ecol. Syst.* 13: 315-347.
- Boucher, D.H. (ed.). 1985. *The biology of mutualism: ecology and evolution*. Croom Helm, London.
- Bronstein, J.L. 1987. Maintenance of species-specificity in a neotropical fig-pollinator wasp mutualism. *Oikos* 48: 39-46.
- Bronstein, J.L. 1988. Predators of fig wasps. *Biotropica* 20: 215-219.
- Bronstein, J.L., P.H. Gouyon, C. Gliddon, F. Kjellberg, y G. Michaloud. 1990. The ecological consequences of flowering asynchrony in monoecious figs: a simulation study. *Ecology* 71: 2145-2156.
- Brooks, D.R. 1979. Testing the context and extent of host-parasite coevolution. *Syst. Zool.* 28: 299-307.
- Brooks, D.R. 1980. Allopatric speciation and non-interactive parasite community structure. *Syst. Zool.* 29: 192-203.
- Brooks, D.R. 1981. Raw similarity measures of shared parasites: an empirical tool for determining host phylogenetic relationships? *Syst. Zool.* 30: 203-207.
- Brooks, D.R. 1981. Hennig's parasitological method: a proposed solution. *Syst. Zool.* 30: 229-249.
- Brooks, D.R. 1985. Historical ecology: a new approach to studying the evolution of ecological associations. *Ann. Missouri Bot. Gard.* 72: 660-680.
- Brooks, D.R., y S.M. Bandoni. 1988. Coevolution and relicts. *Syst. Zool.* 37: 19-33.
- Brooks, D.R. 1988. Macroevolutionary comparisons of host and parasite phylogenies. *Ann. Rev. Ecol. Syst.* 19: 235-259.
- Brooks, D.L. 1990. Parsimony analysis in historical biogeography and coevolution: methodological and theoretical update. *Syst. Zool.* 39: 14-30.
- Brooks, D.R. and D.A. McLennan. 1991. *Phylogeny, ecology, and behavior: a research program in comparative biology*. The University of Chicago Press, Chicago, IL, USA.
- Brown Jr., K.S. 1982. Historical and ecological factors in the biogeography of aposematic neotropical butterflies. *Am. Zool.* 22: 453-471.
- Brown Jr., K.S. 1987. Chemistry at the Solanaceae/Ithomiinae interface. *Ann. Missouri Bot. Gard.* 74: 359-397.
- Bush, A.O., J.M. Aho, y C.R. Kennedy. 1990. Ecological versus phylogenetic determinants of helminth parasite community richness. *Evol. Ecol.* 41: 1-20.

- Campbell, D.R., N.M. Waser, M.V. Price, E.A. Lynch y R.J. Mitchell. 1991. Components of phenotypic selection: pollen export and flower corolla width in *Ipomopsis aggregata*. *Evolution* 45: 1458-1467.
- Campbell, D.R., N.M. Waser y M.V. Price. 1996. Mechanisms of hummingbird-mediated selection for flower width in *Ipomopsis aggregata*. *Ecology* 77: 1463-1472.
- Carroll, S.P., y J.E. Loye. 1987. Specialization of *Jadera* species (Hemiptera: Rhopalidae) on the seeds of Sapindaceae (Sapindales), and coevolutionary responses of defense and attack. *Ann. Entomol. Soc. Am.* 80: 373-378.
- Carton, Y. 1988. La coevolución. *Mundo Científico* 8: 1062-1072.
- Case, T.J. 1981. Niche packing and coevolution in competition communities. *Proc. Natl. Acad. Sci. USA* 78: 5021-5025.
- Cates, R.G., y G.H. Orians. 1975. Successional status and the palatability of plants to generalized herbivores. *Ecology* 56: 410-418.
- Cates, R.G., y R.A. Redak. 1988. Variation in the terpene chemistry of Douglas-fir and its relationship to western spruce budworm success. pág. 317-344 in Spencer, K., ed. *Chemical mediation of coevolution*. Academic Press, New York.
- Center, T.D., y C.D. Johnson. 1974. Coevolution of some seed beetles (Coleoptera: Bruchidae) and their hosts. *Ecology* 55: 1096-1103.
- Cottrell, C.B. 1985. The absence of coevolutionary associations with *Capensis* floral element plants in the larval/plant relationships of Southwestern Cape butterflies. pág. 115-124 in Vrba, E.S., ed. *Species and speciation*. Transvaal Museum Monogr. No. 4. Transvaal Museum, Pretoria.
- Coughenour, M.B. 1985. Graminoid responses to grazing by large herbivores: adaptations, exaptations, and interacting processes. *Ann. Missouri Bot. Gard.* 72: 852-863.
- Courtney, S.P. 1982. Coevolution of pierid butterflies and their cruciferous foodplants. V. Habitat selection, community structure and speciation. *Oecologia (Berl.)* 54: 101-107.
- Courtney, S.P., y F.S. Chew. 1987. Coexistence and host use by a large community of pierid butterflies: habitat is the temple. *Oecologia (Berl.)* 71 210-220.
- Cox, P.A. 1983. Extinction of the hawaiian avifauna resulted in a change of pollinators for the ieie, *Freycinetia arborea*. *Oikos* 41: 195-199.
- Cressey, A., B.B. Collette, y J.L. Russo. 1983. Copepods and scombrid fishes: a study in host-parasite relationships. *Fish. Bull.* 81: 227-265.
- Dafni, A., y P. Bernhardt. 1990. Pollination of terrestrial orchids of Southern Australia and the Mediterranean region - systematic, ecological, and evolutionary implications. *Evolutionary Biology* 24: 193-252.
- Desharnais, R.A. 1986. Natural selection, fitness entropy, and the dynamics of coevolution. *Theor. Pop. Biol.* 30: 309-340.
- Docters van Leeuwen, W.M. 1954. On the biology of some Loranthaceae and the role birds play in their life-history. *Beaufortia* 4: 105-208.
- Downes, B.J. 1990. Host-induced morphology in mites: implications for host-parasite coevolution. *Syst. Zool.* 39: 162-168.
- Ehrlich, P.R. 1975. The population biology of coral reef fishes. *Ann. Rev. Ecol. Syst.* 6: 211-247.

- Ehrlich, P.R., y P.H. Raven. 1964. Butterflies and plants: a study in coevolution. *Evolution* 18: 586-608.
- Estrada, A., y T.H. Fleming. 1986. Frugivores and seed dispersal. Dr. W. Junk Publ., Dordrecht, The Netherlands.
- Farrell, B.D., C. Mitter y D.J. Futuyma. 1992. Diversification at the insect-plant interface. *Bioscience* 42: 34-42.
- Fleming, T.H. 1986. Opportunism versus specialization: the evolution of feeding strategies in frugivorous bats. *pág. 105-118 in Estrada, A., y T.H. Fleming, ed. Frugivores and seed dispersal. Dr. W. Junk Publ., Dordrecht.*
- Fleming, T.H. 1988. The Short-tailed fruit bat. A study in plant-animal interactions. The University of Chicago Press, Chicago, IL, USA.
- Fleming, T.H. & A. Estrada (eds.). 1993. Frugivory and seed dispersal: ecological and evolutionary aspects. Kluwer Academic Publisher. Dordrecht, The Netherlands.
- Futuyma, D.J., M.C. Keese y D.J. Funk. 1995. Genetic constraints on macroevolution: the evolution of host affiliation in the leaf beetle genus *Ophraella*. *Evolution* 49: 797-809.
- Futuyma, D.J. and M. Slatkin. 1983. *Coevolution*. Sinauer Associates, Inc., Sunderland, MA, USA.
- Funk, D.J., D.J. Futuyma, G. Orti y A. Meyer. 1995. A history of host associations and evolutionary diversification for *Ophraella* (Coleoptera: Chrysomelidae): new evidence from mitochondrial DNA. *Evolution* 49: 1008-1017.
- Gabunis, L.K., y K.I. Chochieva. 1982. Co-evolution of the Hipparion fauna and vegetation in the Paratethys region. *Evol. Theor.* 6: 1-13.
- Gass, C.L. 1988. Inferring evolutionary history in pollination biology. *pág. 528-536 in Ouellet, H., ed. Acta XIX Congressus Int. Ornithologici. Ottawa, Canada.*
- Gilbert, L.E., y P.H. Raven. 1975. *Coevolution of animals and plants*. University of Texas Press, Austin.
- Gillon, Y. 1986. Coevolution cumulative et coevolution substitutive. *Acta Oecol., Oecol. Gener.* 7: 27-36.
- Grandi, G. 1962. The hymenopterous insects of the superfamily Chalcidoidea developing within the receptacles of figs. Their life-history, symbioses and morphological adaptations. *Boll. Inst. Entomol.* 26: 1-13.
- Hafner, M.S., y S.A. Nadler. 1988. Phylogenetic trees support the coevolution of parasites and their hosts. *Nature* 332: 258-259.
- Hafner, M.S., y S.A. Nadler. 1990. Cospeciation in host parasite assemblages: comparative analysis of rates of evolution and timing of cospeciation events. *Syst. Zool.* 39: 192-204.
- Harvell, C.D. 1990. The ecology and evolution of inducible defenses. *Quart. Rev. Biol.* 65: 323-340.
- Hay, M.E., J.E. Duffy, y W. Fenical. 1990. Host-plant specialization decreases predation on a marine amphipod - an herbivore in plants clothing. *Ecology* 71: 733-743.
- Heithaus, E.R., P.A. Opler, y H.G. Baker. 1974. Bat activity and pollination of *Bahuinia pauletia*: plant-pollinator coevolution. *Ecology* 55: 412-419.
- Heithaus, E.R. 1982. Coevolution between bats and plants. *pág. 327-367 in Kunz, T.H., ed. Ecology of bats. Plenum Publ. Corp., New York.*

- Herrera, C.M. 1982. Seasonal variation in the quality of fruits and diffuse coevolution between plants and avian dispersers. *Ecology* 63: 773-785.
- Herrera, C.M. 1984. Avian interference of insect frugivory: an exploration into the plant-bird-fruit pest evolutionary triad. *Oikos* 42: 203-210.
- Herrera, C.M. 1984. A study of avian frugivores, bird-dispersed plants, and their interaction in mediterranean scrublands. *Ecol. Monogr.* 54: 1-23.
- Herrera, C.M. 1985. Determinants of plant-animal coevolution: the case of mutualistic dispersal of seeds by vertebrates. *Oikos* 44: 132-141.
- Herrera, C.M. 1986. Vertebrate-dispersed plants: why they don't behave the way they should. pág. 5-18 in Estrada, A., y T.H. Fleming, ed. *Frugivores and seed dispersal*. Dr. W. Junk Publ., Dordrecht.
- Herrera, C.M. 1988. Habitat-shaping, host plant use by a hemiparasitic shrub, and the importance of gut fellows. *Oikos* 51: 383-386.
- Herrera, C.M. 1989. Seed dispersal by animals: a role in angiosperm diversification? *Am. Nat.* 133: 309-322.
- Howe, H.F., y G.F. Estabrook. 1977. On intraspecific competition for avian dispersers in tropical trees. *Am. Nat.* 111: 817-832.
- Howe, H.F. 1984. Constraints on the evolution of mutualisms. *Am. Nat.* 123: 764-777.
- Howe, H.F. 1993. Specialized and generalized dispersal systems: where does 'the paradigm' stand? Pág. 3-13 in T.H. Fleming and A. Estrada, Editor. *Frugivory and seed dispersal: ecological and evolutionary aspects*. Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Huxley, C.R. 1986. Evolution of benevolent ant-plant relationships. pág. 257-282 in Juniper, B.E., y S.R. Southwood, ed. *Insects and the plant surface*. Arnold, London.
- Janzen, D.H. 1966. Coevolution of mutualism between ants and acacias in Central America. *Evolution* 20: 249-275.
- Janzen, D.H. 1971. Seed predation by animals. *Ann. Rev. Ecol. Syst.* 2: 465-492.
- Janzen, D.H. 1980. When is it coevolution? *Evolution* 34: 611-612.
- Janzen, D.H. 1981. Evolutionary physiology of personal defence. pág. 145-164 in Townsend, C.R., y P. Calow, ed. *Physiological ecology: an evolutionary approach to resource use*. Blackwell, London.
- Janzen, D.H., y P.S. Martin. 1982. Neotropical anachronisms: the fruits the Gomphoteres ate. *Science* 215: 19-27.
- Janzen, D.H. 1983. Seed and pollen dispersal by animals: convergence in the ecology of contamination and sloppy harvest. *Biol. J. Linn. Soc.* 20: 103-113.
- Janzen, D.H. 1983. Dispersal of seeds by vertebrate guts. pág. 232-262 in Futuyma, D.J., y M. Slatkin, ed. *Coevoution*. Sinauer Ass., Sunderland, MA.
- Janzen, D.H. 1984. Craaford lecture. The most coevolutionary animal of them all. *Royal Swedish Acad. Sci.*
- Janzen, D.H. 1985. On ecological fitting. *Oikos* 45: 308-310.
- Janzen, D.H. 1985. The natural history of mutualisms. pág. : 40-99 in Boucher, D.H., ed. *The biology of mutualism*. Croom Helm, London.
- Janzen, D.H. 1986. Seeds as products. *Oikos* 46: 1-2.

- Johnson, C.D., y C.N. Slobodchikoff. 1979. Coevolution of Cassia (Leguminosae) and its seed beetle predators (Bruchidae). *Environ. Entomol.* 8: 1059-1064.
- Jordano, P. 1987. Patterns of mutualistic interactions in pollination and seed dispersal: connectance, dependence asymmetries, and coevolution. *Am. Nat.* 129: 657-677.
- Jordano, P. 1995. Angiosperm fleshy fruits and seed dispersers: a comparative analysis of adaptation and constraints in plant-animal interactions. *American Naturalist* 145: 163-191.
- Jordano, P. 1995. Frugivore-mediated selection on fruit and seed size: birds and St. Lucie's cherry, *Prunus mahaleb*. *Ecology* 76: 2627-2639.
- Kodric-Brown, A., y J.H. Brown. 1979. Competition between distantly related taxa in the coevolution of plants and pollinators. *Am. Zool.* 19: 1115-1127.
- Koenigswald, W.V., J.M. Rensberger, y H.U. Pretzschner. 1987. Changes in the tooth enamel of early Paleocene mammals allowing increased diet diversity. *Nature* 328: 150-152.
- Lachaise, D. 1977. Niche separation of African Lissocephala within the *Ficus drosophilid* community. *Oecologia (Berl.)* 31: 201-214.
- Lachaise, D. 1982. Comment les peuplements de plantes et d'insectes phytophages se façonnent mutuellement: la théorie coevolutive de la structure des peuplements. *Rev. Ecol. (Terre Vie)* 36: 481-537.
- Laycock, W.A. 1978. Coevolution of poisonous plants and large herbivores on rangelands. *J. Range Manage.* 31: 335-342.
- Lenski, R.E. 1984. Coevolution of bacteria and phage: are there endless cycles of bacterial defenses and phage counterdefenses?. *J. Theor. Biol.* 108: 319-325.
- Macior, L.W. 1971. Co-evolution of plants and animals-systematic insights from plant-insect interactions. *Taxon* 20: 17-28.
- Maiorana, V.C. 1979. Nontoxic toxins: the energetics of coevolution. *Biol. J. Linn. Soc.* 11: 387-396.
- Marquis, R.J. 1984. Leaf herbivores decrease fitness of a tropical plant. *Science* 226: 537-539.
- Marquis, R.J. 1987. Variación en la herbivoría foliar y su importancia selectiva en *Piper arieianum* (Piperaceae). *Revista de Biología Tropical* 35(Suppl 1): 133-149.
- Marquis, R.J. 1990. Genotypic variation in leaf damage in *Piper arieianum* (Piperaceae) by a multispecies assemblage of herbivores. *Evolution* 44: 104-120.
- Marquis, R.J. 1992. A bite is a bite is a bite: constraints on response to folivory in *Piper arieianum* (Piperaceae). *Ecology* 73: 143-152.
- Marquis, R.J. 1992. Selective impact of herbivores. Pág. 301-325 *in* R.S. Fritz and E.L. Simms, Editor. *Plant resistance to herbivores and pathogens. Ecology, evolution, and genetics.* University of Chicago Press, Chicago, IL, USA.
- McKey, D. 1975. The ecology of coevolved seed dispersal systems. pág. 159-191 *in* Gilbert, L.E., y P.H. Raven, ed. *Coevolution of animals and plants.* University of Texas Press, Austin.
- McLain, D.K. 1984. Coevolution: mullerian mimicry between a plant bug (Miridae) and a seed bug (Lygaeidae) and the relationship between host plant choice and unpalatability. *Oikos* 43: 143-148.

- McNaughton, S.J., y J.L. Tarrants. 1983. Grass leaf silicification: natural selection for an inducible defense against herbivores. *Proc. Natl. Acad. Sci. USA* 80: 790-791.
- Meeuse, A.D.J. 1973. Co-evolution of plant hosts and their parasites as a taxonomic tool. pág. 289-316 in Heywood, V.E., ed. *Taxonomy and ecology*. Academic Press, London.
- Metcalfe, R.L. 1986. Coevolutionary adaptations of rootworm beetles (Coleoptera: Chrysomelidae) to cucurbitacins. *J. Chem. Ecol.* 12: 1109-1124.
- Mitter, C., B. Farrell y D.J. Futuyma. 1991. Phylogenetic studies of insect plant interactions: insights into the genesis of diversity. *Trends in Ecology and Evolution* 6: 290-293.
- Moldenke, A.R. 1979. Host-plant coevolution and the diversity of bees in relation to the flora of North America. *Phytologia* 43: 357-419.
- Morton, E.S. 1973. On the evolutionary advantages and disadvantages of fruit eating in tropical birds. *Am. Nat.* 107: 8-22.
- Mulcahy, D.L. 1979. The rise of angiosperms: a genecological factor. *Science* 206: 20-23.
- Nilsson, L.A., L. Jonsson, L. Rason, y E. Randrianjohany. 1985. Monophily and pollination mechanisms in *Angraecum arachnites* Schltr. (Orchidaceae) in a guild of long-tongued hawk-moths (Sphingidae) in Madagascar. *Biol. J. Linn. Soc.* 26: 1-19.
- Nilsson, L.A. 1988. The evolution of flowers with deep corolla tubes. *Nature* 334: 147-149.
- O'Grady, R.T., y G.B. Deets. 1987. Coding multistate characters, with special reference to the use of parasites as characters of their hosts. *Syst. Zool.* 36: 268-279.
- Owen, D.F., y R.G. Wiegert. 1976. Do consumers maximize plant fitness? *Oikos* 27: 488-492.
- Paton, D.C. 1988. Interdependence of Australian honeyeaters (Meliphagidae) and nectar-producing plants. pág. 549-559 in Ouellet, H., ed. *Acta XIX Congressus Int. Ornithologici*.
- Pellmyr, O. 1992. The phylogeny of a mutualism: evolution and coadaptation between *Trollius* and its seed-parasitic pollinators. *Biological Journal of the Linnean Society* 47: 337-365.
- Pellmyr, O., J.N. Thompson, J.M. Brown and R.G. Harrison. 1996. Evolution of pollination and mutualism in the yucca moth lineage. *American Naturalist* 148: 827-847.
- Pierce, N.E. 1987. The evolution and biogeography of associations between lycaenid butterflies and ants. pág. 89-116 in Harvey, P.H., y L. Partridge, ed. *Oxford Surveys in Evolutionary Biology*, vol. 4. Oxford Univ. Press, Oxford.
- Post, W.M., C.C. Travis, y D.L. Deangelis. 1981. Evolution of mutualism between species. pág. 183-201 in *Differential equations and applications in ecology, epidemics, and population problems*. Academic Press, New York.
- Price, P.W., M. Westoby, B. Rice, P.R. Atsatt, R.S. Fritz, J.N. Thompson, y K. Mobley. 1986. Parasite mediations in ecological interactions. *Ann. Rev. Ecol. Syst.* 17: 487-505.
- Price, P.W., G.W. Fernandes, y G.L. Waring. 1987. Adaptive nature of insect galls. *Environ. Entomol.* 16: 15-24.
- Pyke, G.H. 1978. Optimal foraging in bumblebees and coevolution with their plants. *Oecologia (Berl.)* 36: 281-293.

- Ramírez, W. 1974. Coevolution of ficus and agaonidae. *Ann. Missouri Bot. Gard.* 61: 770-780.
- Reid, N. 1983. Pollination and seed dispersal of mistletoes (Loranthaceae) by birds in Southern Australia. In Ford, H.A., ed. *The dynamic partnership: coevolution of birds and plants in Southern Australia*. South Austr. Handbooks Comm., Adelaide.
- Reid, N. 1987. The mistletoebird and australian mistletoes: co-evolution or coincidence? *Emu* 87: 130-131.
- Ridley, H.N. 1930. *The dispersal of plants throughout the world*. L. Reeve, Ashford.
- Rinkevich, B., y I. Weissman. 1987. Chimeras in colonial invertebrates: a synergistic symbiosis or somatic- and germ-cell parasitism?. *Symbiosis* 4: 117-134.
- Rinkevich, B., y I.L. Weissman. 1987. Chimeras in colonial invertebrates: a synergistic symbiosis or somatic- and germ-cell parasitism?. *Symbiosis* 4: 117-134.
- Schemske, D.W. y C.C. Horvitz. 1984. Variation among floral visitors in pollination ability: a precondition for mutualism specialization. *Science* 225: 519-521.
- Schemske, D.W. y C.C. Horvitz. 1989. Temporal variation in selection on a floral character. *Evolution* 43: 461-465.
- Scott, A.C., y T.N. Taylor. 1983. Plant/animal interactions during the Upper Carboniferous. *Bot. Rev.* 49: 259-307.
- Shields, O. y J.L. Reveal. 1988. Sequential evolution of Euphilotes (Lycaenidae: Scolitantidini) on their plant host Eriogonum (Polygonaceae: Eriogonidae). *Biol. J. Linn. Soc.* 33: 51-93.
- Simms, E.L., y R.S. Fritz. 1990. The ecology and evolution of host-plant resistance to insects. *Trends Ecol. Evol.* 5: 356-360.
- Slatikin, M., y J. Maynard-Smith. 1979. Models of coevolution. *Quart. Rev. Biol.* 54: 233-263.
- Smith, C.C. 1970. The coevolution of pine squirrels (*Tamiasciurus*) and conifers. *Ecol. Monogr.* 40: 349-371.
- Snow, D.W. 1971. Evolutionary aspects of fruit-eating by birds. *Ibis* 113: 194-202.
- Snow, D.W. 1980. Regional differences between tropical floras and the evolution of frugivory. pág. 1192-1198 in Noring, R., ed. *Acta XVII Congressus Internationalis Ornithologici*. Deuts. Orn. Ges., Berlin.
- Snow, D.W. 1981. Coevolution of birds and plants. pág. 169-178 in Forey, P.L., ed. *The evolving biosphere*. Cambridge Univ. Press, London.
- Soler, M., y A.P. Moller. 1990. Duration of sympatry and coevolution between the great spotted cuckoo and its magpie host. *Nature* 343: 748-750.
- Stebbins, G.L. 1981. Coevolution of grasses and herbivores. *Ann. Missouri Bot. Gard.* 68: 75-86.
- Stiles, F.G. 1980. Ecological and evolutionary aspects of bird-flower coadaptations. pág. 1179-1184 in Noring, R., ed. *Acta XVIII Congr. Int. Orn. Deuts. Orn. Ges.*, Berlin.
- Stiles, F.G. 1981. Geographical aspects of bird-flower coevolution, with particular reference to Central America. *Ann. Missouri Bot. Gard.* 68: 323-351.
- Stiles, E.W. 1989. Fruits, seeds, and dispersal agents. pág. 87-122 in Abrahamson, W.G., ed. *Plant-animal interactions*. McGraw-Hill, New York.



- Strong, D.R., J.H. Lawton and R. Southwood. 1984. Insects on plants. Community patterns and mechanisms. Blackwell Scientific Publications, Oxford.
- Sussman, R.W., y P.H. Raven. 1978. Pollination by lemurs and marsupials: an archaic coevolutionary system. *Science* 200: 731-736.
- Tahvanainen, J., y P. Niemela. 1987. Biogeographical and evolutionary aspects of insect herbivory. *Ann. Zool. Fennici* 24: 239-247.
- Tallamy, D.W., y V.A. Krischik. 1989. Variation and function of cucurbitacins in Cucurbita: an examination of current hypotheses. *Am. Nat.* 133: 766-786.
- Temple, S.A. 1977. Plant-animal mutualism: coevolution with dodo leads to near extinction of plant. *Science* 197: 885-886.
- Thien, L.B., P. Bernhardt, G.W. Gibbs, O. Pellmyr, G. Bergstrom, I. Groth, y G. Mcpherson. 1985. The pollination of *Zygogynum* (Winteraceae) by a moth, *Sabatinka* (Micropterigidae): an ancient association? *Science* 227: 540-543.
- Thompson, J.N. 1981. Reversed animal-plant interactions: the evolution of insectivorous and ant-fed plants. *Biol. J. Linn. Soc.* 16: 147-155.
- Thompson, J.N. 1982. Interaction and coevolution. John Wiley and Sons, New York.
- Thompson, J.N. 1985. Within-patch dynamics of life histories, populations, and interactions: selection over time in small spaces. In: S.T.A. Pickett & P.S. White (eds.). *The ecology of natural disturbance and patch dynamics*. Academic Press, New York. pp.: 253-264.
- Thompson, J.N. 1986. Constraints on arms races coevolution. *Trends Ecol. Evol.* 1: 105-107.
- Thompson, J.N. 1986. Patterns in coevolution. pág. 119-143 in Stone, A.R., y D.L. Hawksworth, ed. *Coevolution and systematics*. Clarendon Press, Oxford.
- Thompson, J.N. 1987. Symbiont-induced speciation. *Biol. J. Linn. Soc.* 32: 385-393.
- Thompson, J.N. 1988. Variation in interspecific interactions. *Ann. Rev. Ecol. Syst.* 19: 65-87.
- Thompson, J.N. 1993. Preference hierarchies and the origin of geographic specialization in host use in swallowtail butterflies. *Evolution* 47: 1585-1594.
- Thompson, J.N. 1994. *The coevolutionary process*. The University of Chicago Press, Chicago, IL, USA.
- Thompson, J.N., W. Wehling, y R. Podolsky. 1990. Evolutionary genetics of host use in swallowtail butterflies. *Nature* 344: 148-150.
- Tiffney, B.H. 1984. Seed size, dispersal syndromes, and the rise of angiosperms: evidence and hypothesis. *Ann. Missouri Bot. Gard.* 71: 551-576.
- Toft, C.A., y A.J. Karter. 1990. Parasite-host coevolution. *Trends Ecol. Evol.* 5: 326-329.
- Tomback, D.F., y Y.B. Linhart. 1990. The evolution of bird-dispersed pines. *Ecol. Evol.* 4:185-219.
- van der Pijl, L. 1982. *Principles of dispersal in higher plants*. Springer-Verlag, Berlin.
- Vander Wall, S.B., y R.P. Balda. 1977. Coadaptations of the Clark's nutcracker and the piñon pine for efficient seed harvest and dispersal. *Ecol. Monogr.* 47: 89-111.

- Via, S. 1990. Ecological genetics and host adaptation in herbivorous insects: the experimental study of evolution in natural and agricultural systems. *Ann. Rev. Entomol.* 35: 421-446.
- Von Haartman, L. 1981. Co-evolution of the Cuckoo *Cuculus canorus* and a regular cuckoo host. *Ornis Fenn.* 58: 1-10.
- Weis, A.E., K.D. McCrea, y W.G. Abrahamson. 1989. Can there be an escalating arms race without coevolution? Implications from a host-parasitoid simulation. *Evol. Ecol.* 3: 361-370.
- Wells, H. 1986. Plant-animal pollination systems. 2. Fewer pollinator than plant species. *J. Theor. Biol.* 122: 375-384.
- Wheelwright, N.T., y G.H. Orians. 1982. Seed dispersal by animals: contrasts with pollen dispersal, problems of terminology, and constraints on coevolution. *Am. Nat.* 119: 402-413.
- Wheelwright, N.T. 1988. Four constraints in coevolution between fruit-eating birds and fruiting plants: a tropical case history. pág. 827-845 in Ouellet, H., ed. *Acta XIX Congressus Int. Ornithologici*. Ottawa.
- Whitham, T.G. 1977. Coevolution of foraging in *Bombus* and nectar dispensing in *Chilopsis*: a last drag theory. *Science* 197: 593-596.
- Wiebes, J.T. 1979. Coevolution of figs and their insect pollinators. *Ann. Rev. Ecol. Syst.* 10: 1-12.
- Wiens, D., J.P. Rourke, B.A.B.B. Casper, E.A. Rickart, T.R. Lapine, C.J. Peterson, y A. Channing. 1983. Nonflying mammal pollination of southern african proteas: a non-co-evolved system. *Ann. Missouri Bot. Gard.* 70: 1-31.
- Williams, K.S. 1983. The coevolution of *Euphydryas chalcedona* butterflies and their larval host plants. III. Oviposition behavior and host plant quality. *Oecologia (Berl.)* 56: 336-340.
- Wilson, D.S. 1976. Evolution on the level of communities. *Science* 192: 1358-1360.
- Wing, S.L., y B.H. Tiffney. 1987. The reciprocal interaction of angiosperm evolution and tetrapod herbivory. *Rev. Palaeobot. Palynol.* 50: 179-210.
- Wulff, J.L. 1985. Clonal organisms and the evolution of mutualism. pág. 437-466 in Jackson, J.B.C., L.W. Buss, y R.E. Cook, ed. *Population biology and evolution of clonal organisms*. Yale University Press, New Haven.
- Zwölfer, H. 1978. Mechanismen und Ergebnisse der Co-Evolution von phytophagen und entomophagen Insekten und höheren Pflanzen. *Sonderbd. naturwiss. Ver. Hamburg* 2: 7-50.