

Publications

BOOKS

Price, T. 2008. *Speciation in birds*. Roberts and Co., Boulder, CO. 2008.

PEER REVIEWED ARTICLES

1. Price, T.D. (1978) Some observations on the warblers of the upland perennial wetlands of the Eastern Ghats of Andhra Pradesh. *J. Bombay Nat. Hist. Soc.* 75:488-490.
2. Price, T.D. (1979) The seasonality and occurrence of birds in the Eastern Ghats of Andhra Pradesh. *J. Bombay Nat. Hist. Soc.* 76:379-422.
3. Price, T.D. (1980) On the occurrence of Tytler's leaf warbler *Phylloscopus tytleri*, Brooks in Goa. *J. Bombay Nat. Hist. Soc.* 77:143-144.
4. Price, T.D. (1981) The ecology of the greenish warbler, *Phylloscopus trochiloides*, in its winter quarters. *Ibis* 123:131-144.
5. Grant, P.R. and T.D. Price (1981) Population variation in continuously varying traits as an ecological genetics problem. *American Zoologist* 21:795-811.
6. Price, T.D., S.J. Millington and P.R. Grant (1982) Helping at the nest in Darwin's finches as misdirected parental care. *Auk* 100:192-194.
7. Price, T.D. (1984) Sexual selection on body size, plumage and territory variables in a population of Darwin's finches. *Evolution* 38:327-341.
8. Price, T.D. (1984) The evolution of sexual size dimorphism in Darwin's finches. *American Naturalist* 123:500-518.
9. Price, T.D. and P. R. Grant (1984) Life history traits and natural selection for small body size in a population of Darwin's finches. *Evolution* 38:483-494.
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11. Schluter, D., T.D. Price and P.R. Grant (1985) Ecological character displacement in Darwin's finches. *Science* 227:1056-1059.
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13. Price, T.D. (1985) Reproductive responses to varying food supply in a population of Darwin's finches: Clutch size, growth rates and hatching synchrony. *Oecologia* 66:411-416.
14. Price, T.D. and P.R. Grant (1985) The evolution of ontogeny in Darwin's finches: A quantitative genetic approach. *American Naturalist* 125:169-188.
15. Price, T. (1987) Diet variation in a population of Darwin's finches. *Ecology* 68:1015-1028.
16. Price, T.D. and H.L. Gibbs (1987) Brood division in Darwin's ground finches. *Animal Behaviour* 35:299-301.
17. Price, T.D., M. Kirkpatrick and S.J. Arnold (1988) Directional selection and the evolution of breeding date in birds. *Science* 240:798-799.
18. Price, T.D. and D. Beck (1989) Observations on the breeding of the Arctic Warbler in Alaska. *The Condor* 91:219-221.
19. Lande, R. and T.D. Price (1989) Genetic correlations and maternal effect coefficients obtained from offspring-parent regression. *Genetics* 122:915-922.
20. Marchetti, K. and T.D. Price (1989) Differences in the foraging of juvenile and adult birds: the importance of developmental constraints. *Biological Reviews* 64:51-70.
21. Jamdar, N. and T. Price (1990) The Simla black tit, *Parus rufonachalis* and Rufous bellied crested tit, *Parus rubidiventris* breed sympatrically in Kashmir. *J. Bombay Nat. Hist. Soc.* 87:516-517.
22. Price, T.D. and N. Jamdar (1991) Breeding biology of eight sympatric species of *Phylloscopus* warblers in Kashmir. *J. Bombay Nat. Hist. Soc.* 88:242-255.
23. Price, T.D. and N. Jamdar (1991) The breeding biology of the yellow browed leaf warbler in Kashmir. *J. Bombay Nat. Hist. Soc.* 88:1-19.
24. Price, T.D. and L. Liou (1989) Selection on clutch size in birds. *American Naturalist* 134:950-959.
25. Kirkpatrick, M., T.D. Price and S.J. Arnold (1990) The Darwin-Fisher theory of sexual selection in monogamous birds. *Evolution* 44:180-193.
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28. van Patten, K.C. and T.D. Price (1990) Habitat choice in captive Arctic warblers. *Auk* 107:434-437.
29. Price, T.D. (1991) Morphology and ecology of breeding warblers along an altitudinal gradient in Kashmir, India. *Journal of Animal Ecology* 60:643-664.
30. Price, T., E. Chi, M. Pavelka and M. Hack (1991) Population and developmental variation in the feather tip. *Evolution* 45:518-533.
31. Price, T.D. (1991) Environmental and genotype-by-environment influences on chick size in the yellow-browed leaf warbler *Phylloscopus inornatus*. *Oecologia* 86:535-541.
32. Schluter, D., T. Price and L. Rowe (1991) Conflicting selection pressures and life-history tradeoffs. *Proc. Roy. Soc. London, B* 246:11-17.
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34. Price, T. and T. Langen (1992) Evolution of correlated characters. *Trends in Ecology and Evolution* 7:307-310.
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41. Marchetti, K., T.D. Price and A.D. Richman (1996) Association of ecology and migration distance with wing morphology in the genus *Phylloscopus*. *J. Avian Biol.* 26:177-181.

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43. Price, T. (1996) An association of habitat with color dimorphism in finches. *Auk* 113:256-257.
44. Price, T. and G. Birch (1996) Frequent transitions between monomorphism and dimorphism in the passerine birds. *Auk* 113:842-848.
45. Katti, M. and T. Price (1996) Effects of climate on Palaearctic warblers over-wintering in India. *J. Bombay Nat. Hist. Soc.* 93:411-427.
46. Felemban, H. and T. Price (1997) Morphological differences between high and low altitude populations of the house sparrow in Saudi Arabia. *Wilson Bulletin* 109:539-544.
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51. Schluter, D. T. Price, A. Mooers and D. Ludwig (1997) Likelihood of ancestor states in adaptive radiation. *Evolution* 51:1699-1711.
52. Price, T. (1998) Sexual selection and natural selection in bird speciation. *Phil. Trans. Roy. Soc. B* 353:251-260.
53. Price, T., H.L. Gibbs, L. de Sousa and A.D. Richman (1998) Different timing of the adaptive radiations of North American and Asian warblers. *Proc. R. Soc. Lond. B* 265:1969-1975.
54. Fear, K. and T. Price (1998) The adaptive surface in ecology. *Oikos* 82:440-448.
55. Irwin, D.I. and T. Price (1999) Sexual imprinting, learning, and speciation. *Heredity* 82:347-354.
56. Katti, M. and T. Price (1999) Annual variation in fat storage by a migrant warbler over-wintering in the Indian tropics. *J. Anim. Ecol.* 68:815-823.

57. Gross, S. and T. Price (2000) Determinants of the northern and southern range limits of a warbler. *Journal of Biogeography* 27:869-878
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59. Price, T., C. Brown and M. Bomberger Brown (2000) Evaluation of selection on cliff swallows. *Evolution* 54:1824-1827
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61. Qvarnström, A., and T. Price (2001) Maternal effects, paternal effects, and sexual selection *Trends in Ecology and Evolution* 16:95-100
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66. Katti, M. and T. D. Price (2003) Latitudinal trends in body size among overwintering leaf warblers, genus *Phylloscopus*. *Ecography* 26: 69-79.
67. Price, T. D., A. Qvarnström, and D. E. Irwin. (2003) The role of phenotypic plasticity in driving genetic evolution. *Proceedings of the Royal Society, B* 270:1433-1440.
68. Price, T., J. Zee, K. Jamdar and N. Jamdar (2003) Bird species diversity along the Himalayas: a comparison of Himachal Pradesh with Kashmir. *J. Bombay Nat. Hist. Soc.* 100: 394-409
69. Kelly, C. and T. Price (2004) Comparative methods based on species mean values. *Mathematical biosciences.* 187:135-154.
70. Rasner, C. A., P. Yeh, L. S. Eggert, K. E. Hunt, D. S. Woodruff and T. D. Price (2004) Genetic and morphological evolution following a founder event in the dark-eyed junco, *Junco hyemalis thurberi*. *Molecular ecology* 13:671-681.

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80. Price, T. D., and A. B. Phillimore (2007) Reduced major axis regression and the island rule. *Journal of Biogeography*. 34:1998-1999.
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82. Mittelbach, G. G., D. W. Schemske, H. V. Cornell, A. P. Allen, J. M. Brown, M. B. Bush, S. P. Harrison et al. (2007) Evolution and the latitudinal diversity gradient: speciation, extinction and biogeography. *Ecology Letters* 10:315-331.

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84. Newman, M. M., P. J. Yeh, and T. D. Price (2008) Song variation in a recently founded population of the Dark-eyed Junco (*Junco hyemalis*). *Ethology* 114: 164-173.
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86. Price, T. D., P. J. Yeh and B. Harr (2008) Phenotypic plasticity and the evolution of a socially selected trait following colonization of a novel environment. *American Naturalist*. 172: S49-S62.
87. Price, T. D. and D. Sol. (2008) Introduction: genetics of colonizing species. *American Naturalist*. 172: S1-S3.
88. Cardoso, G. C., A. T. Mamede, J. W. Atwell, P. G. Mota, E. D. Ketterson, and T. D. Price. (2008) Song frequency does not reflect differences in body size among males in two oscine species. *Ethology* 114: 1084-1093
89. Phillimore, A. B., and T. D. Price (2009) Ecological influences on the temporal pattern of speciation. Pages 240-256 *in* Butlin R., Bridle J., and Schluter, D. , eds. *Speciation and Patterns of Diversity*. Cambridge University Press, Cambridge.
90. Price, T., and M. Kirkpatrick. (2009). Evolutionarily stable range limits set by interspecific competition. *Proceedings of the Royal Society, B*, 276: 1429-1434.
91. Price, T. D. In press. The roles of time and ecology in the continental radiation of the Old World Leaf Warblers (*Phylloscopus* and *Seicercus*). *Philosophical Transactions of the Royal Society*
92. Cardoso, GC and T. D. Price. In press. Community convergence in bird song. *Evolutionary ecology*.
93. Cardoso, G. C., J. W. Atwell, E. D. Ketterson, and T. D. Price (2009) Song types, song performance, and the use of repertoires in dark-eyed juncos (*Junco hyemalis*). *Behavioral Ecology* 20: 901-907.
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NOT PEER REVIEWED ARTICLES

1. Price, T. (1996) Exploding species. *Trends in Ecology and Evolution* 8:314-315.
2. Price, T. and P. Yeh (1999). One hundred years of natural selection in the wild. *Endeavor* 23:145-147.
3. Price, T. and A. Bontrager (2001) Dispatch.- Evolutionary genetics: the evolution of plumage patterns. *Current Biology* 11:R405-R408.
4. Hoekstra, H. E. and T. Price (2004) Perspective: parallel evolution is in the genes. *Science* 303: 1779-1780.
5. Wheatcroft, D.J. and T. Price (2008) Reciprocal cooperation in avian mobbing: playing nice pays. *Trends in ecology and evolution* 23:416-419.
6. Kirkpatrick, M., and T Price (2008) Sensory ecology: In sight of speciation. *Nature* 455:601-602.

In addition I have published seven popular articles in Indian journals (Hornbill (3), Swagat (1), Sanctuary (3))

BOOK CHAPTERS

1. Price, T.D., P.R. Grant and P.T. Boag (1984) Genetic changes during the morphological differentiation of Darwin's finches. In: *Population Biology and Evolution*. Wöhrmann, K. and V. Loeschke, eds. Springer-Verlag, Berlin, pp. 49-66.
2. Price, T.D. and P.T. Boag (1987) Selection in natural populations of birds. In: *Avian Genetics*. Vol. 8. Cooke, F. and P. Buckley, eds. Academic Press, London, pp. 257-287.
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5. Price, T.D. (1997) Path analysis, adaptive surfaces, selection differentials, mutation-selection balance. In: *Encyclopedia of Ecology and Environmental Management*.
6. Price, T. (1998) Maternal and paternal effects in birds. In: *Maternal affects as adaptations*. T. Mousseau and C. Fox (eds.). Oxford University Press, pp. 202-226.
7. Price, T. (1999) Sexual selection and natural selection in bird speciation. In: *Evolution of biological diversity*. A.E. Magurran and R.M. May, eds. Oxford University Press, Oxford, pp. 93-112. This is a reprint of (52) in the peer-reviewed section.
8. Price, T., A. B. Phillimore, M. Awodey and R. Hudson (2009). Ecological and geographical influences on the allopatric phase of island speciation. In: *From field observations to mechanisms. A program in evolutionary biology*. P. R. Grant and B. R. Grant, eds. Princeton University Press. In press.

BOOK REVIEWS

1. Price, T.D. (1995) The ugly duckling turns into a swan. *Evolution* 49:578-480.
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6. Price, T. (2009) Book Review of “Ornithology, Evolution, and Philosophy: The Life and Science of Ernst Mayr 1904-2005” *Bioscience*.