

Publications In Refereed Journals:

- Marteinson, S.C., D. M. Bird, R.J. Letcher, K.M. Sullivan, I.J. Ritchie, and K.J. Fernie. 2012. Dietary exposure to technical hexabromocyclododecane (HBCD) alters courtship, incubation and parental behaviors in American kestrels (*Falco sparverius*). *Chemosphere* 89(9): 1077-1083.
- Marteinson, S.C., R. Letcher, L. Graham, S. Kimmins, G. Tomy, V. Palace, I. Ritchie, L. Gauthier, D.M. Bird, and K.J. Fernie. 2012. The flame retardant 1,2-Dibromo-4-(1,2-dibromoethyl)cyclohexane (TBECH): fate, fertility and reproductive success in American Kestrels (*Falco sparverius*). *Environmental Science & Technology* 46(15): 8440-8447.
- Bélisle, E., M. Gahbauer and D. M. Bird. 2012. Unusual behaviors by a juvenile peregrine falcon: parental interference, siblicide and incest. *Journal of Raptor Research* 46(3):324-326
- Chabot, D. and D.M. Bird. Evaluation of an off-the-shelf Unmanned Aircraft System for surveying flocks of geese. *Waterbirds* 35(1): 170-174
- Leonardi, G. and D.M. Bird. 2011. Effects of recent experience and background features on prey detection of foraging American Kestrels (*Falco sparverius*) in captivity. *Folia Zoologica* 60(3): 214-220
- Fernie, K.J., S.C. Marteinson, D.M. Bird, I.J. Ritchie, and R.J. Letcher. 2011. Reproductive changes in American kestrels (*Falco sparverius*) in relation to exposure to technical hexabromocyclododecane flame retardant. *Environmental Toxicology and Chemistry* 30(11): 2570-2575.
- Heath, J.A., E.H. Strasser, M. A. Foster, L. Bardo, and D. M. Bird. 2011. Challenges In creating an American Kestrel Body Condition Index based on size-adjusted mass. *Journal of Raptor Research* 45(4):324-334.
- Marteinson, S.C, S.Kimmins, D.M. Bird, L.J. Shutt, R.J. Letcher, I.J. Ritchie, and K.J. Fernie. 2011. Embryonic exposure to the polybrominated diphenyl ether mixture, DE71, affects testes and circulating testosterone concentrations in adult American kestrels (*Falco sparverius*). *Toxicological Sciences* 121(1):168-176.
- Marteinson S.C., Kimmins, S., Letcher R.J., Palace V.P., Bird D.M., Ritchie I.J., and K.J. Fernie. 2011. Diet exposure to technical hexabromocyclododecane (HBCD) affects testes and circulating testosterone and thyroxine levels in American kestrels (*Falco sparverius*). *Environ. Res.* 111:1116-1123.
- Marteinson, S.C., D.M. Bird, J.L. Shutt, R.J. Letcher, I.R. Ritchie, and K.J. Fernie. 2010. Multi-generational effects of polybrominated diphenylethers exposure: Embryonic exposure of male American kestrels (*Falco sparverius*) to DE-71 alters reproductive success and behaviors. *Environmental Toxicology and Chemistry* 29 (8):1740 - 1747.
- Lepczyk, C.A., N. Dauphine, D.M. Bird, S. Conant, R.J. Cooper, D.C. Duffy, P.J. Hartley, P.P. Marra, E. Stone and S.A. Temple. 2010. What Conservation Biologists Can Do Regarding Trap-Neuter-Return: A Response to Longcore et al. *Conservation Biology* 24(2): 627-629.
- Frei, B., R.D. Titman, and D.M. Bird. 2010. Bobolink egg mass variability and nestling growth patterns. *Wilson Journal of Ornithology* 122(3):432-438.
- Dubé, M.C., D.M. Bird, A. Dibernardo, L. R. Lindsay, and H. Charest . 2010.

- Prevalence of West Nile Virus in Wild American Kestrels (*Falco sparverius*) of Southern Quebec, Canada. *Journal of Wildlife Diseases*. 2010 46: 603-607.
- Bird, D. M. and L. Bardo. 2009. The use of captive American kestrels (*Falco sparverius*) as wildlife models: A Review. *Journal of Raptor Research* 43(4): 345-364.
- Bird, D. M. 2009. The American kestrel: from common to scarce. *Journal of Raptor Research* 43(4): 261-262.
- Garland, H., A. del Peral, A., D.M. Bird, and M-A. Fortin. 2009. High frequency of American kestrel strikes at the Montreal-Trudeau International Airport: A case study. *Journal of Raptor Research* 43(4): 382-383.
- Hudson, M-A. and D. M. Bird. 2009. Recommendations for design and management of golf courses and green space based on surveys of breeding bird communities in Montreal. *Landscape and Urban Planning* 92: 335-346.
- Fernie, K., J. Shutt, R. Letcher, I. Ritchie and D. Bird. 2009. Environmentally relevant concentrations of DE-71 and HBCD alter eggshell thickness and reproductive success of American kestrels. *Environmental Science & Technology* (*in press*).
- Fernie, K.J., L. J. Shutt, R.J. Letcher, I.J. Ritchie, K. Sullivan and D.M. Bird. 2008. Changes in reproductive courtship behaviors of adult American kestrels (*Falco sparverius*) exposed to environmentally relevant levels of the Polybrominated Diphenyl Ether mixture, DE-71. *Toxicological Sciences* 102:171-178.
- Donehower, C. E. and D. M. Bird. 2008. Gull predation and breeding success of Common Eiders on Stratton Island, Maine. *Waterbirds* 31: 454-462.
- Olsen, J., E. Fuentes, D.M. Bird, A.B. Rose, and D. Judge. 2008. Dietary shifts based upon prey availability in peregrine falcons and Australian hobbies breeding near Canberra, Australia. *Journal of Raptor Research* 42(2):125-137.
- Olsgard, M.L., J.E.G. Smits, D.M. Bird. 2008. Exposure to inhaled benzene and toluene shows a paradoxical response in American kestrels. *Learned Discourse, Integrated Environmental Assessment and Management* 5(1): 176-177.
- Donehower, C. E., D. M. Bird, C. S. Hall, and S. W. Kress. 2007. Effects of gull predation and predator control on tern nesting success at Eastern Egg Rock, Maine. *Waterbirds* 30: 29-39.
- Richards N.L., P. Mineau, D.M. Bird, P. Wery, J. Larive and J. Duffe. 2007. First observations of an Eastern Screech-owl population in an apple-producing region of southern Quebec. *Canadian Field-Naturalist*. 120(3): 289-297.
- Drouillard K.G., K.J. Fernie, R.J. Letcher, L.J. Shutt, M. Ryan, W. Gebink, and D.M. Bird. 2007. Bioaccumulation and biotransformation of sixty-one polychlorinated biphenyl (PCB) and four polybrominated diphenyl ether (PBDE) congeners in juvenile American kestrels (*Falco sparverius*). *Environmental Toxicology and Chemistry* 26:313-324.
- Fisher, S.A., G.R. Bortolotti, K.J. Fernie, D.M. Bird, and J.E. Smits. 2006. Behavioral variation and its consequences during incubation for American kestrels exposed to polychlorinated biphenyls. *Ecotoxicology and Environmental Safety* 63(2):226-235.
- Fernie, K.J., L. Shutt, I.J. Ritchie, R.J. Letcher, K. Drouillard, and D.M. Bird. 2006. Changes in the growth,

- but not the survival of American kestrels (*Falco sparverius*) exposed to environmentally relevant polybrominated diphenyl ethers. *Journal of Toxicology and Environmental Health* 69:1541-1554.
- Hudson, M-A. R. and D.M. Bird. 2006. An affordable computerized camera technique for monitoring bird nests. *Wildlife Society Bulletin* 34(5): 1455-1457.
- Richards, N.L., P. Mineau, and D.M. Bird. 2006. The case for sampling eastern screech owls (*Megascops asio*) admitted to rehabilitation facilities for evidence of exposure to pesticides and persistent chemicals. *Journal of Wildlife Rehabilitation* 28(1): 4-9.
- Fisher, S.A., G.R. Bortolotti, K.J. Fernie, D.M. Bird and J.D. Smits. 2006. Brood patches of American kestrels altered by experimental exposure to PCBs. *Journal of Toxicology and Environmental Health, Part A*. 69:1-11.
- Richards, N. L., P. Mineau, and D.M. Bird. 2005. A risk assessment approach to DDE exposure based on the case of the eastern screech owl (*Megascops asio*) in apple orchards of southern Quebec. *Archives of Environmental Contamination and Toxicology* 49(3): 403-409.
- Laing, D.K., D.M. Bird, and T.E. Chubbs. 2005. First complete migration cycles for juvenile Bald Eagles from Labrador. *J. Raptor Res.* 39(1): 11-18.
- Chubbs, T.E., M.J. Solensky, D.K. Laing, D.M. Bird, and G. Goodyear. 2005. Using a portable, anchorbolt ladder to access rock-nesting Osprey. *J. Raptor Res.* 39(1): 105-107.
- Donehower, C.E. and D. M. Bird. 2005. A method for color-marking birds at resting sites. *J. Field Ornithol.* 76(2): 204-207.
- Love, O.P., L.J. Shutt, J. Silfies, G.R. Bortolotti, J.E. Smits, and D.M. Bird. 2003. Effects of dietary PCB exposure on adrenocortical function in captive American kestrels (*Falco sparverius*). *Ecotoxicology* 12:199-208.
- Love, O.P., D.M. Bird, and L.J. Shutt. 2003. Corticosterone levels during post-natal development in captive American kestrels (*Falco sparverius*). *General and Comparative Endocrinology* 130:135-141.
- Love, O.P., D.M. Bird, and L.J. Shutt. 2003. Plasma corticosterone in American kestrel siblings: effects of age, hatching order, and hatching asynchrony. *Hormones and Behavior* 43: 480-488.
- Coleman, J.L. and D.M. Bird. 2003. Urban sharp-shinned hawk productivity in Quebec. *Bird Trends* 9: 13-16.
- Bortolotti, G.R., J.E. Smits, and D.M. Bird. 2003. Iris colour of American kestrels varies with age, sex, and exposure to PCBs. *Physiological and Biochemical Zoology* 76:99-104.
- Tittlemier, S.A., J.A. Duffe, A.D. Dallaire, D.M. Bird, and R.J. Norstrom. 2003. Reproductive and morphological effects of halogenated dimethyl bipyrrroles on captive American kestrels (*Falco sparverius*). *Environmental Toxicology and Chemistry* 22(7):1497-1506.
- Love, O.P., Shutt, L.J., Silfies, J., and Bird, D.M.. 2003. Repeated handling results in reduced corticosterone levels in developing and adult captive American kestrels (*Falco sparverius*). *Physiological and Biochemical Zoology* 76(5): 753-761.
- Coleman, J. L., D. M. Bird, and E. A. Jacobs. 2002. Nest habitat use and productivity of sharp-shinned hawks nesting in an urban area. *Wilson Bulletin* 114:467-473.

- Harnal, V.K., D.E. Wildt, D.M. Bird, S.L. Montfort, and J.D. Ballou. 2002. Computer simulations to determine the efficacy of different genome resource banking strategies for maintaining genetic diversity. *Cryobiology* 44: 122-131.
- Bisson, I.A., M. Ferrer, and D.M. Bird. 2002. Factors influencing nest site selection by Spanish imperial eagles. *Journal of Field Ornithology* 73: 298-302.
- Anderson, S.J., D. M. Bird, and M.D. Hagen. 2002. Semen characteristics of the quaker parakeet (*Myiopsitta monachus*). *Zoo Biology* 21: 507-512.
- Harnal, V.K., D.E. Wildt, D.M. Bird, S.L. Montfort, and J.D. Ballou. 2002. Computer simulations to determine the efficacy of different genome resource banking strategies for maintaining genetic diversity. *Cryobiol.* 44:122-31.
- Bisson, I.A., M. Ferrer, and D.M. Bird. 2002. Factors influencing nest site selection by Spanish imperial eagles: a modeling approach. *J. Field Ornithol.* 73:298-302.
- Penfold, L.M., V. Harnal, W. Lynch, D.M. Bird, S.R. Derrickson, and D.E. Wildt. 2001. Northern pintail (*Anas acuta*) ejaculate characterization and the effects of sperm preservation and fertility. *J. Reprod. Fertil.* 121:267-275.
- Fernie K.J., G.R. Bortolotti, J.E. Smits, and D.M. Bird. 2001. Reproductive success of American kestrels exposed to dietary polychlorinated biphenyls. *Environ. Toxicol. Chem.* 20:776-781.
- Fernie, K.J., J.E. Smits, G.R. Bortolotti, and D.M. Bird. 2001. *In ovo* exposure to polychlorinated biphenyls: reproductive effects on second-generation American kestrels. *Arch. Environ. Contam. Toxicol.* 40: 544-550.
- Chabot, A.A., D. M. Bird, and R.D. Titman. 2001. Breeding biology and nesting success of loggerhead shrikes in Ontario. *Wilson Bull.* 113:285-289.
- Harnal, V.K., R. Spindler, S.L. Montfort, B. Pukazhenth, D.M. Bird, and D.W. Wildt. 2001. Sperm capacitation *in vitro* in the Eld's deer. *Theriogenol.* 56:399-413.
- Fisher, S.A., G.R. Bortolotti, K.J. Fernie, J.E. Smits, T.E. Marchant, K. Drouillard, and D.M. Bird. 2001. Courtship behavior of captive American kestrels (*Falco sparverius*) exposed to polychlorinated biphenyls. *Arch. Environ. Contam. Toxicol.* 41: 215-220.
- Chabot, A.A., R.D. Titman, and D.M. Bird. 2001. Habitat selection of loggerhead shrikes in Ontario and Quebec. *Can. J. Zool.* 79: 916-925.
- Drouillard, K.G., K.J. Fernie, J.E. Smits, G.R. Bortolotti, D.M. Bird, and R.J. Norstrom. 2001. Bioaccumulation and toxicokinetics of 42 PCB congeners in American kestrels (*Falco sparverius*). *Environ. Toxicol. Chem.* 20: 2514-2522.
- Fernie K.J, Bortolotti, G.R., Smits, J.E., Willson, J., Drouillard, K.G. and D.M. Bird. 2000. Changes in egg composition of American kestrels exposed to polychlorinated biphenyls. *J. Toxicol. Environ. Health* 60:101-113.
- Fernie K.J., D.M. Bird, R.D. Dawson, and P.C. Laguë. 2000. Effects of electromagnetic fields on reproductive success of American kestrels. *Physiol. Biochem. Zool.* 73: 60-65.
- Fernie K.J. and D.M. Bird. 2000. Growth of nestling American kestrels when exposed to electromagnetic

fields. *Condor* 102:462-466.

Fernie K.J., N.J. Leonard., and D.M. Bird. 2000. Behavior of free-ranging and captive American kestrels under electromagnetic fields. *J. Toxicol. Environ. Health* 59: 101-107.

Nicholls, M.K., O. Love and D.M. Bird. 2000. Methyl anthranilate, aminoacetophenone and unfamiliar coloration as feeding repellents to American kestrels (*Falco sparverius*). *J. Raptor Res.* 34: 311-318.

Fernie, K.J. and D.M. Bird. 1999. Effects of electromagnetic fields on body mass and food-intake of American Kestrels. *Condor* 101:616-621.

Fernie K.J., D.M. Bird, and D. Petitclerc. 1999. Effects of electromagnetic fields on photophasic circulating melatonin levels of American kestrels. *Environ. Health Perspect.* 107: 901-904.

Villarroel, M.R., D.M. Bird, and U. Kuhnlein. 1998. Copulatory behavior and paternity in the American kestrel: the adaptive significance of frequent copulations. *Animal Behav.* 56:289-299.

Negro, J.J., G.R. Bortolotti, J.L. Tella, K.J. Fernie, and D.M. Bird. 1998. Regulation of integumentary colour and plasma carotenoids in American kestrels consistent with sexual selection. *Funct. Ecol.* 12: 307-312.

MacLellan, K.M., D.M. Bird, D.M. Fry, and L. Shutt. 1997. Behavior of captive American kestrels hatched from O,P'-dicofol - exposed females. *Archives of Environmental Contamination and Toxicology* 32: 411-415.

Anderson, D.J., J. Reeve, and D.M. Bird. 1997. Sexually dimorphic eggs in American kestrels. *Funct. Ecol.* 11:331-334.

Duke, G.E., J. Reynhout, A.L. TerEick, A.E. Place, and D.M. Bird. 1997. Gastrointestinal morphology and motility in American kestrels (*Falco sparverius*) receiving high or low fat diets. *Condor* 99:123-131.

Duke, G.E., A.L. TerEick, J.K. Reynhout, D.M. Bird, and A.E. Place. 1996. Variability among individual American kestrels (*Falco sparverius*) in parts of day-old chicks eaten, pellet size, and pellet egestion frequency. *J. Raptor Res.* 30: 213-218.

Agostini, N., D.M. Bird, and J.J. Negro. 1996. Social behavior of captive fledgling American kestrels (*Falco sparverius*). *J. Raptor Res.* 30:240-241.

Bortolotti, G.R., J.J. Negro, J.L. Tella, and D.M. Bird. 1996. Sexual dichromatism in birds independent of diet, parasites, and androgens. *Proc. Royal Soc. London* 263:1171-1176.

Negro, J.J., J. Bustamante, J. Milward, and D.M. Bird. 1996. Captive fledgling American kestrels *Falco sparverius* prefer to play with objects resembling natural prey. *Anim. Behav.* 52:707-714.

Brodeur, S., R. Decarie, D.M. Bird, and M. Fuller. 1996. Complete migration cycle of Golden Eagles breeding in northern Quebec. *Condor* 98:293-299.

MacLellan, K.N.M., D.M. Bird, D.M. Fry, and J. Cowles. 1996. Reproductive and morphological effects of O,P-Dicofol on two generations of captive American kestrels. *Arch. Environ. Contam. Toxicol.* 30:364-372.

Negro, J.J., M. Villarroel, J.L. Tella, U. Kuhnlein, F. Hiraldo, J.A. Donazar, and D.M. Bird. 1996. DNA fingerprinting reveals a low incidence of extra-pair fertilization and intraspecific brood parasitism

- in the lesser kestrel. *Anim. Behav.* 51:935-943.
- Tella, J.L., J.J. Negro, M. Villarroel, U. Kuhnlein, F. Hiraldo, J.A. Donazar, D.M. Bird. 1996. DNA fingerprinting reveals polygyny in the lesser kestrel (*Falco naumanni*). *Auk* 113:262-265.
- Henderson, D., D.M. Bird, M.E. Rau, and J.J. Negro. 1995. Mate choice in captive American kestrels (*Falco sparverius*) parasitized by a nematode (*Trichinella pseudospiralis*). *Ethology* 101:112-120.
- Dottinger, H. and D.M. Bird. 1995. Haematological parameters in captive peregrine falcons (*Falco peregrinus*). *Falco* 1995(4):2-7.
- Lavigne, A., D.M. Bird, J.J. Negro, and D. Lacombe. 1994. Growth of hand-reared American kestrels. II. Body composition and wingloading in fledglings hand-fed two different diets. *Growth, Development and Aging* 58:203-209.
- Brodeur, S., F. Morneau, R. Decarie, J.J. Negro, and D.M. Bird. 1994. Breeding density and productivity of rough-legged hawks in northwestern Quebec. *J. Raptor Res.* 28:259-262.
- Lavigne, A., D.M. Bird, J.J. Negro, and D. Lacombe. 1994. Growth of hand-reared American kestrels I. The effect of two different diets and feeding frequency. *Growth, Development and Aging* 58:191-201.
- Lacombe, D., D.M. Bird, and K. Hibbard. 1995. Influence of reduced food availability on growth of captive American kestrels. *Can. J. Zool.* 72:2084-2089.
- Negro, J.J., K. Bildstein, and D.M. Bird. 1994. Effects of food deprivation and handling stress on fault-bar formation in nestling American kestrels (*Falco sparverius*). *Ardea* 82:263-267.
- Morneau, F., S. Brodeur, R. Decarie, S. Carriere, and D.M. Bird. 1994. Abundance and distribution of golden eagles in Hudson Bay, Quebec. *J. Raptor Res.* 28:220-225.
- Negro, J.J., A. Chastin, and D.M. Bird. 1994. Effects of short-term food deprivation on growth of hand-reared American kestrels. *Condor* 96:749-760.
- Schaadt, C.P. and D.M. Bird. 1993. Sex-specific growth in ospreys: the role of sexual size dimorphism. *Auk* 110: 900-910.
- Anderson, D.J., J. Reeve, J.E. Martinez Gomez, W. Weathers, S. Hutson, H. Cunningham, and D.M. Bird. 1993. Sexual size dimorphism and food requirements of nestling birds. *Can. J. Zool.* 71:2541-2545.
- Anderson, D.J., C. Budde, V. Apanius, J.E. Martinez Gomez, D.M. Bird and W.W. Weathers. 1993. Prey size influences female competitive dominance in nestling American kestrels (*Falco sparverius*). *Ecology* 74:367-376.
- Lacombe, D., D.M. Bird, C.G. Scanes, and K.H. Hibbard. 1993. The effect of restricted feeding on plasma growth hormone (GH) concentrations in growing American kestrels (*Falco sparverius*). *Condor* 95:559-567.
- Gard, N.W. and D.M. Bird. 1992. Nestling growth and fledging success in manipulated American kestrel broods. *Can. J. Zool.* 70:2421-2425.
- Hunt, K.E., D.M. Bird, P. Mineau, and L. Shutt. 1992. Selective predation of fenthion-exposed prey by American kestrels. *Animal Behav.* 43:971-976.

- Andison, M.E., J.G. Sivak, and D.M. Bird. 1992. The refractive development of the eye of the American kestrel (*Falco sparverius*): a new avian model. *J. Comp. Physiol.* 170:565-574.
- Bird, D.M., D. Carriere and D. Lacombe. 1992. The effect of dietary sodium fluoride on internal organs, breast muscle, and bones in captive American kestrels (*Falco sparverius*). *Arch. Environ. Contam. Toxicol.* 22:242-246.
- Brock, M.K. and D.M. Bird. 1991. Prefreeze and postthaw effects of glycerol and dimethylacetamide on motility and fertilizing ability of American kestrel (*Falco sparverius*) spermatozoa. *J. Zoo. Wildl. Med.* 22:453-459.
- Hunt, K.E., D.M. Bird, P. Mineau and L. Shutt. 1991. Secondary poisoning hazard of fenthion to American kestrels. *Arch. Environ. Contam. Toxicol.* 21:84-91.
- Taylor, R., S. Temple, and D.M. Bird. 1991. Nutritional and energetic implications for raptors consuming starving prey. *Auk* 108:716-718.
- Schwarzbach, S.E., D.M. Fry, B.E. Rosson, and D.M. Bird. 1991. Metabolism and storage of p,p' dicofol in American kestrels (*Falco sparverius*) with comparisons to ring neck doves (*Streptopelia risoria*). *Arch. Environ. Contam. Toxicol.* 20:206-210.
- Gard, N.W. and D.M. Bird. 1990. Breeding behaviour of American kestrels raising manipulated brood sizes in years of varying prey abundance. *Wilson Bull.* 102:605-614.
- Cade, T.J. and D.M. Bird. 1990. Peregrine falcons, *Falco peregrinus*, nesting in an urban environment: a review. *Can. Field-Nat.* 104:209-218.
- Bird, D.M., I. Ritchie, J.D. Weaver, and R. Bowman. 1990. Impact of forced reneesting in Ungava Bay peregrine falcons. *Can. Field-Nat.* 104:219-221.
- Gard, N.W., D.M. Bird, R. Densmore, and M. Hamel. 1989. Responses of breeding American kestrels to live and mounted great horned owls. *J. Raptor Res.* 23:90-102.
- Frost, B.J., L.Z. Wise, B. Morgan, and D. Bird. 1989. Retinotropic representation of the bifoveate eye of the kestrel (*Falco sparverius*) on the optic tectum. *Visual Neuosci.* 5:231-239.
- Duncan, J. and D.M. Bird. 1989. The influence of relatedness and display effort on the mate choice of captive female kestrels. *Anim. Behav.* 37:112-117.
- Rehder, N.B., D.M. Bird, and L. Sanford. 1988. Plasma androgen levels and body weights for breeding and non-breeding male kestrels. *Condor* 90:555-560.
- Saumier, M., M.E. Rau, and D.M. Bird. 1988. The influence of *Trichinella pseudospiralis* infection on the behaviour of captive, non-breeding American kestrels (*Falco sparverius*). *Can. J. Zool.* 66:1685-1692.
- Radvanyi, A., P. Weaver, C. Massari, D. Bird, and E. Broughton. 1988. Effects of chlorphacinone on captive kestrels. *Bull. Environ. Contam. Toxicol.* 41:441-448.
- Bowman, R. and D.M. Bird. 1987. Behavioral strategies of American kestrels during mate replacement. *Behav. Ecol. Sociobiol.* 20:129-135.
- Bowman, R., and D.M. Bird. 1987. Ecological correlates of mate replacement in American kestrels. *Condor* 88:440-445.

- Bakst, M.R., and D.M. Bird. 1987. Localization of oviductal sperm-storage tubules in the American Kestrel (*Falco sparverius*). *Auk* 104(2):321-324.
- Carrière, D., D.M. Bird, and J.W. Stamm. 1987. Influence of fluoride-fed cockerels on reproductive performance of captive American kestrels. *Environ. Poll.* 46:151-159.
- Saumier, M.D., M.E. Rau, and D.M. Bird. 1986. The effect of *Trichinella pseudospiralis* infection on the reproductive success of captive American kestrels (*Falco sparverius*). *Can. J. Zool.* 64:2125-2135.
- Lett, D.W. and D.M. Bird. 1987. Post-fledging behavior of the American kestrel in southwestern Quebec. *Wilson Bull.* 99(1):82-86.
- Rehder, N.B., D.M. Bird, and P.C. Laguë. 1986. Variations in plasma corticosterone, estrone, estradiol-17B, and progesterone concentrations with forced renesting, molt, and body weight of captive female American kestrels. *Gen. Comp. Endocrinol.* 62:386-393.
- Bowman, R., and D.M. Bird. 1985. Reproductive performance of American kestrels laying replacement clutches. *Can.J.Zool.* 63:2590-2593.
- Shutt, L.J. and D.M. Bird. 1985. Influence of nestling experience on nest-type selection in captive kestrels. *An. Behav.* 33(3):1028-1031.
- Sobkoviak, S. and D.M. Bird. 1984. A portable candler for determining fertility and development of birds' eggs. *J. Field Ornithol.* 55:257-258.
- Rehder, N.B., P.C. Laguë, and D.M. Bird. 1984. Simultaneous quantification of progesterone, estrone, estradiol-17B and corticosterone in female American kestrel plasma. *Steroids* 43:371-383.
- Bird, D.M., J. Gauthier, and V. Montpetit. 1984. Embryonic growth of American kestrels. *Auk* 101:392-396.
- Muir, D. and D.M. Bird. 1984. Food of Gyrfalcons at a nest on Ellesmere Island, Canada. *Wilson Bull.* 96:464-467.
- Maloney, P.J., F.G. Bennett, D.M. Bird, and D.J. Lewis. 1984. *Haemoproteus tinnunculus* in the American kestrel *Falco sparverius*. *J.Wildl.Dis.* 20:57-58.
- Brock, M.K., D.M. Bird, and G.A. Ansah. 1983. Cryogenic preservation of spermatozoa of the American kestrel *Falco sparverius*. *Internat. Zoo Yearbook* 23:67-71.
- Bird, D.M., and R.G. Clark. 1983. Growth of body components in parent- and hand-reared captive kestrels. *Raptor Res.* 17:77-84.
- Bird, D.M., P. Tucker, G.A. Fox, and P.C. Laguë. 1983. Synergistic effects of Aroclor(R) 1254 and Mirex on the semen characteristics of American kestrels. *Arch. Environ. Contam. Toxicol.* 12:633-640.
- Rehder, N.B., and D.M. Bird. 1983. Annual profiles of blood packed cell volumes of captive American kestrels. *Can. J. Zool.* 61(1):2550-2555.
- Bird, D.M., D. Peakall, and D.S. Miller. 1983. Enzymatic changes in the oviduct associated with DDE-induced eggshell thinning in the kestrel, *Falco sparverius*. *Bull. Environ. Contam. Toxicol.* 31:22-24.
- Gauthier, J., D.M. Bird, and K.F. Kwai Hang. 1983. Plasma protein levels in captive American kestrels. *Comp. Biochem. Physiol.* 74A:163-166.

- Bird, D.M., and C. Massari. 1983. Effects of dietary sodium fluoride on bone fluoride levels and reproductive performance of captive American kestrels. *Env. Pollut. (Series A)* 31:67-76.
- Bird, D.M. 1982. The American kestrel as a laboratory research animal. *Nature* 299:300-301.
- Meerovitch, E., K. Chadee, and D.M. Bird. 1982. Experimental infection of American kestrels (*Falco sparverius*) with *Trichinella pseudospiralis* Garkavi, 1972, and *T. spiralis*. *Can.J.Zool.* 60:3150-3152.
- Bird, D.M., S.-K. Ho., and D. Paré. 1982. Nutritive values of three common prey items of the American Kestrel. *Comp. Biochem. Physiol.* 73A:513-515.
- Bird, D.M., and Y. Aubry. 1982. Reproductive and hunting behaviour in *Falco peregrinus* in southern Quebec. *Can. Field-Nat.* 96:167-171.
- Bird, D.M., and S. Tinker. 1982. Egg laying in a 28-year old captive golden eagle. *Raptor Res.* 16:58.
- Bird, D.M., and P.C. Laguë. 1982. Influence of forced reneesting and handrearing on growth of young captive kestrels. *Can. J. Zool.* 60(l):89-96.
- Bird, D.M., and P.C. Laguë. 1982. Fertility, egg weight loss, hatchability and fledging success in replacement clutches of captive kestrels. *Can. J. Zool.* 60(l):80-88.
- Bird, D.M., and P.C. Laguë. 1982. Influence of forced-reneesting, seasonal date of laying, and female characteristics on clutch size and egg traits in captive American kestrels. *Can. J. Zool.* 60(l):71-79.
- Morris, M.M.J., B.L. Penak, R.E. Lemon, and D.M. Bird. 1982. Characteristics of red-shouldered hawk nest sites in southwestern Quebec. *Can. Field-Nat.* 96:139-146.
- Rehder, N.B., D.M. Bird, P.C. Laguë, and C. Mackay. 1982. Variation in selected haematological parameters in captive red-tailed hawks. *J. Wildl. Dis.* 18(1):105-110.
- Rehder, N.B., D.M. Bird, and P.C. Laguë. 1982. Variations in blood packed cell volume of captive American kestrels. *Comp. Biochem. Physiol.* 72A(1):105-109
- Bird, D.M., and H. Greenwood. 1981. Incidental trapping of American kestrels in blackbird decoy traps. *Raptor Res.* 51(1):31.
- Bird, D.M., P.G. Weil, and P.C. Laguë. 1980. Photoperiodic induction of multiple breeding seasons in captive American kestrels. *Can.J. Zool.* 58(6):1022-1026.
- Bird, D.M. and J. Wright. 1977. Apparent distraction display by a Barred Owl. *Can. Field-Nat.* 91:176-177.
- Bird, D.M. and P.C. Laguë. 1977. Semen production of the American kestrel. *Can. J. Zool.* 55(8):1351-1358.
- Bird, D.M., P.C. Laguë and R.B. Buckland. 1976. Artificial insemination vs natural mating in captive American kestrels. *Can. J. Zool.* 54(7):1183-1191.
- Bird, D.M. and P.C. Laguë. 1976. Successful captive breeding of American Rough-legged Hawks. *Raptor Res.* 10(1):1-8.
- Bird, D.M. and P.C. Laguë. 1976. Management practices for captive kestrels used as semen donors for

artificial insemination. Raptor Res. 10(3):92-96.

Bird, D.M. and S.K. Ho. 1976. Nutritive values of whole-animal diets for captive birds of prey. Raptor Res. 10(2):45-49.

Bird, D.M. and R.B. Buckland. 1976. The onset and duration of fertility in the American Kestrel. Can. J. Zool. 54(9):1595-1597.

Bird, D.M., and S. Spiegel. 1975. Unusual food transfer performed by American kestrels. Can. Field-Nat. 89(3):325-326.

Refereed Monographs:

Smallwood, J.A. and D.M. Bird. 2002. American kestrel (*Falco sparverius*). In A. Poole and F. Gill, eds. The Birds of North America, No. 602. Academy of Natural Sciences, Washington, DC and The American Ornithologists' Union, 32 pp.

Other Refereed Publications:

Cade, T.J. and D.M. Bird. 2011. Seasonal changes in Gyrfalcons nesting at Ellesmere Island and other High Arctic locations. Pp. 1-16 In: Gyrfalcons and Ptarmigan in a Changing World. Edited by R. Watson, E. Potapov, G. Hunt, M. Fuller, and T.J. Cade. World Conference Proceedings, Boise State University, February 2011. Published by The Peregrine Fund, Boise, ID 83709.

Blanco, J., J. Samour, and D.M. Bird. 2007. Reproductive Physiology. Pp. 286-292 In D.M. Bird and K.L. Bildstein, eds.. Raptor Research and Management Techniques. Hancock House Publishers, Surrey, BC

J.B. Platt, D.M. Bird, and L. Bardo. 2007. Captive Breeding. Pp. 383-400. In D.M. Bird and K.L. Bildstein, eds. Raptor Research and Management Techniques. Hancock House Publishers, Surrey, BC

Bird, D.M., B. Hunter, B. and P. Redig. 2004. Prevalence of West Nile virus in birds of prey in North America. (In) Proceedings of the 3rd Africa and Middle East Section, Wildlife Disease Association Meeting, Pritipal Soorae, (ed.). Abu Dhabi, United Arab Emirates, December 10-13, 2004 [CD-ROM]

Fernie, K., L. Shutt, R.J. Letcher, K. Drouillard and D.M. Bird. 2004. Polybrominated Diphenyl Ethers: An Emerging Threat to Raptors. (In) Proceedings of the 3rd Africa and Middle East Section, Wildlife Disease Association Meeting, Pritipal Soorae, (ed.). Abu Dhabi, United Arab Emirates, December 10-13, 2004 [CD-ROM]

Richards, N.L., P. Mineau and D.M. Bird. 2004. Exposure of the eastern screech-owl (*Otus asio*) to organophosphorus insecticides and anticoagulant rodenticides in apple orchards of southern Quebec, Canada. In Raptors Worldwide, R.D. Chancellor and B.-U. Meyburg (eds.) World Working Group on Birds of Prey, pp 389-408

Love, O. P. and D. M. Bird. 2000. Raptors in urban landscapes: a review and future concerns. Pp. 425-434 in R.D. Chancellor and B-U. Meyburg, eds. Raptors at Risk. Proc. V World Conf. on Birds of Prey and Owls, WWGBP & Hancock House.

Lacina, D. and D. M. Bird. 2000. Endoparasites of raptors: a review and an update. Pp. 65-100 in J.T. Lumei, J.D. Remple, P.T. Redig, M. Lierz, and J.E. Cooper, eds. Raptor Biomedicine III. Zoological Education Network, Inc.

- Chabot, A., R.D. Titman, and D.M. Bird. 1995. Habitat selection and breeding biology of Loggerhead Shrikes in eastern Ontario and Quebec. *Proc. Western Foundation Vert. Zool.* 6:155-156.
- Lacombe, D., D.M. Bird, K.A. Hunt and P. Mineau. 1994. The impact of fenthion on birds of prey. Pp. 757-759 *In* Raptor Conservation Today. B.-U. Meyburg and R. Chancellor (eds.). Pica Press & WWGBP, Berlin.
- Telfer, E., B. Johns, M. Cadman, D.M. Bird, R. Bjorge, K. DeSmet, W. Harris, D. Hjertaas, P. Laporte, and R. Pittaway. 1992. The National Recovery Plan for Loggerhead Shrikes. *RENEW.* 26 pp.
- Nicholls, M.K. and D.M. Bird. 1993. Detection of a genetic basis of morphometric variation in captive American kestrels (*Falco sparverius*). Pp. 233-237 *In* Biology and Conservation of Small Falcons. M. Nicholls and R. Clark (eds.). The Hawk and Owl Trust, London, U.K.
- Rau, M.E. and D. M. Bird. 1993. *Trichinella pseudospiralis* in American kestrels (*Falco sparverius*): a model of parasite-induced behavioural pathology. Pp. 126-132 *In* Biology and Conservation of Small Falcons. M. Nicholls and R. Clark (eds.). The Hawk and Owl Trust, London, U.K.
- Lacombe, D., D.M. Bird, C.G. Scanes, and K.A. Hibbard. 1993. Plasma growth hormone levels in nestling American kestrels (*Falco sparverius*). Pp. 90-95 *In* Biology and Conservation of Small Falcons. M. Nicholls and R. Clark (eds.). The Hawk and Owl Trust, London, U.K.
- Gard, N.W. and D.M. Bird. 1992. Utilization des rapaces en lutte biologique. *In* Principes et Applications de la lutte biologique. C. Vincent & D. Coderre (eds.). Gaetan Morin Editeur, Boucherville, Quebec.
- Saumier, M., M.E. Rau, and D.M. Bird. 1991. Behaviour of breeding American kestrels infected with *Trichinella pseudospiralis*. *In* Bird-Parasite Interactions: Ecology, Evolution and Behaviour. J. Loye and M. Zuk (eds.). Oxford University Press, U.K.
- Bird, D.M., D. Carrière, and L. Shutt. 1989. Fluorosis in birds of prey. *In* Raptors in the Modern World. B.-U. Meyburg and R.D. Chancellor (eds.). WWGBP, Berlin, London & Paris. pp.465-467.
- Bird, D.M. and J.D. Weaver. 1988. Peregrine falcon populations in Ungava Bay, 1980-85. *In* Peregrine Falcon Populations: Their Management and Recovery. T.J. Cade, C. White, J. Enderson and C. Thelander (eds.) The Peregrine Fund, Inc., Boise Idaho. pp.45-50.
- Bird, D.M. 1988. American kestrel. *In* Handbook of North American Birds, Volume 5, Diurnal Raptors (Part 2). Ralph S. Palmer (ed.) Yale University Press, New Haven and London. pp.253-290.
- Bird, D.M. 1987. Reproductive physiology. *In* Raptor Management Techniques Manual. B.G. Pendleton, B.A. Millsap, K.W. Cline, D.M. Bird (eds.). National Wildlife Federation, Washington, D.C. pp.276-282.
- Bird, D.M. 1987. Captive breeding - small falcons. *In* Raptor Management Techniques Manual. B.G. Pendleton, B.A. Millsap, K.W. Cline, D.M. Bird (eds.) National Wildlife Federation, Washington, D.C. pp.364-366.
- Curley, E., R. Bowman, and D.M. Bird. 1987. Nest site characteristics of kestrel- and starling-occupied nestboxes. *In* The Ancestral Kestrel. D.M. Bird and R. Bowman (eds.) Raptor Research Foundation Inc. and Macdonald Raptor Research Centre, Ste-Anne-de-Bellevue, Quebec. pp.160-164.
- Bowman, R., J. Duncan, and D.M. Bird. 1987. Dispersal and inbreeding avoidance in American kestrels: are they related? *In* The Ancestral kestrel. D.M. Bird and R. Bowman (eds.) Raptor Research

- Foundation Inc. and Macdonald Raptor Research Centre, Ste-Anne-de-Bellevue, Que. pp.145-150.
- Bird, D.M. 1985. Evaluation of the American kestrel (*Falco sparverius*) as a laboratory research animal. In The Contribution of Laboratory Animal Science to the Welfare of Man and Animals. J. Archibald, J. Ditchfield, and H.C. Rowsell (eds.) 8th ICLAS/CALAS Symposium, Vancouver, 1983. Gustav Fischer Verlag, Stuttgart, New York. pp.3-9.
- Clark, R.G. and D.M. Bird. 1985. Assessing public attitudes towards birds of prey and raptor research activities. In Bull. W.W.G. Birds of Prey No.2. B.-U. Meyburg (ed.) Berlin, West Germany. pp.130-140.
- Bird, D.M., W. Burnham, and R.W. Fyfe. 1985. A review of cross-fostering in birds of prey. ICBP Technical Report 5:435-438.
- Bider, J.R., and D.M. Bird. 1983. Distribution and densities of osprey populations in the Great Whale Region of Quebec. In Biology and Management of Bald Eagles and Ospreys. D.M. Bird (chief ed.) Harpell Press, Ste. Anne-de-Bellevue, Que. pp.223-230.
- Snyder, J.E., D.M. Bird, and P.C. Laguë. 1981. Variations in selected haematological parameters of captive American kestrels. In Recent Advances in the Study of Raptor Disease. J.E. Cooper and A.G. Greenwood (eds.) Chiron Publ. Ltd., U.K.
- Bird, D.M., and C.J. Goldblatt. 1981. Influence of cross-fostering on mate selection in captive kestrels. In Recent Advances in the Study of Raptor Disease. J.E. Cooper and A.G. Greenwood (eds.) Chiron Publ. Ltd., U.K.
- Bird, D.M. 1981. Microbiological aspects of hatchability in captive American kestrels. In Recent Advances in the Study of Raptor Disease. J.E. Cooper and A.G. Greenwood (eds.) Chiron Publ. Ltd., U.K.
- Bird, D.M. and J.R. Bider. 1976. East coast of Hudson's Bay. In The 1975 North American peregrine falcon survey, R.W. Fyfe, S.A. Temple and T.J. Cade. Can. Field-Nat. 90(3):228-293.

Edited Refereed Conference Proceedings and Books:

- Bird, D.M. and K.L. Bildstein. 2007. Raptor Research and Management Techniques. Hancock Publishing House, Surrey, B.C. 463 pp. [Japanese translation]
- Bird, D.M. and K.L. Bildstein. 2007. Raptor Research and Management Techniques. Publishing House, Surrey, B.C. 463 pp.
- Bird, D.M., D. Varland, and J. J. Negro. 1996. Raptors in Human Landscapes: Adaptations to Built and Cultivated Environments. Academic Press, London, U.K. 396 pp.
- Pendleton, B.C., B.A. Millsap, K.W. Cline and D.M. Bird (eds.) 1987. Raptor Management Techniques Manual. National Wildlife Federation, Washington, D.C. 420 pp.
- Bird, D.M. and R. Bowman (eds.) 1987. The Ancestral Kestrel. Allen Press, Lawrence, Kansas. 178 pp.
- Bird, D.M. (Chief ed.) 1983. Biology and management of Bald Eagles and Ospreys. Harpell Press, Ste-Anne-de-Bellevue, Quebec. 325 pp.

Edited Books:

Bird, D.M. (Consultant Editor). 2013. Birds of Eastern Canada. Dorling Kindersley/Tournaline Editions, Toronto. (In press)

Bird, D.M. (Consultant Editor). 2013. Birds of Western Canada. Dorling Kindersley/Tournaline Editions, Toronto.(in press)

Bird, D.M. (Consultant Editor). 2010. Birds of Canada. Dorling Kindersley/Tournaline Editions, Toronto. 512 pp.

Discovery Channel. 1999. Birds. An Explore Your World Handbook. Discovery Channel, NY. 192 pp.

Books:

Bird, D.M. 1986. City Critters. How to Live with Urban Wildlife. Eden Press, Montreal. 115 pp.

Bird, D..M. 1999. Bird's Eye View. Vehicule Press, Montreal. 273 pp.

Bird, D. M. 1999. The Bird Almanac: The Ultimate Guide to Essential Facts and Figures on the World's Birds. Key Porter Books/Firefly Books, Toronto. 460 pp.

Bird, D.M.. 2004. The Bird Almanac: A Guide to Essential Facts and Figures on the World's Birds. Key Porter/Firefly Books, Toronto. 460 pp.