

CITATIONS: 1991

- Lozano, G. A. 1991. Optimal foraging theory: a possible role for parasites. Oikos 60: 391-395.**
- Bowman, B., Belant, J.L., Beyer, D.E., Jr. and Martel, D. 2015. Characterizing nontarget species use at bait sites for white-tailed deer. *Human-Wildlife Interactions*, **9**: 110-118.
- Ciejina, S.N., Behnke, J.M., and Fakae, B.B. 2015. Haemonchotolerance in West African Dwarf goats: contribution to sustainable, anthelmintics-free helminth control in traditionally managed Nigerian dwarf goats. *Parasite* **22**: 7.
- Koprivnikar, J., and Penalva, L. 2015. Lesser of two evils? Foraging choices in response to threats of predation and parasitism. *PLoS One* **10**(1): e0116569.
- Choisy, M., and de Roode, J.C. 2014. The ecology and evolution of animal medication: Genetically fixed response versus phenotypic plasticity. *American Naturalist* **184**(SUPPL. 1): S31-S46.
- Kekäläinen, J., Lai, Y.-T., Vainikka, A., Sirkka, I., and Kortet, R. 2014. Do brain parasites alter host personality? - Experimental study in minnows. *Behavioral Ecology and Sociobiology* **68**(2): 197-204.
- (90)** Kyriazakis, I. 2014. Pathogen-induced anorexia: a herbivore strategy or an unavoidable consequence of infection? *Animal Production Science* **54**(9): 1190-1197.
- Naug, D. 2014. Infected honeybee foragers incur a higher loss in efficiency than in the rate of energetic gain. *Biology Letters* **10**(11): 20140731.
- Stutz, W.E., Lau, O.L., and Bolnick, D.I. 2014. Contrasting patterns of phenotype-dependent parasitism within and among populations of threespine stickleback. *American Naturalist* **183**(6): 810-825.
- Diaz, J.I., Fusaro, B., Longarzo, L., Coria, N.R., Vidal, V., Jerez, S., Ortiz, J.S., and Barbosa, A. 2013. Gastrointestinal helminths of Gentoo penguins (*Pygoscelis papua*) from Stranger Point, 25 de Mayo/King George Island, Antarctica. *Parasitology Research* **112**(5): 1877-1881.
- Fouks, B., and Lattorft, H.M.G. 2013. Social scent marks do not improve avoidance of parasites in foraging bumblebees. *Journal of Experimental Biology* **216**(2): 258-291.
- Ndagurwa, H.G.T. 2013. Bark stripping by chacma baboons (*Papio hamadryas ursinus*) as a possible prophylactic measure in a pine plantation in eastern Zimbabwe. *African Journal of Ecology* **51**(1): 164-167. doi:10.1111/aje.12001.
- Strauch, A.M. 2013. The role of water quality in large mammal migratory behaviour in the Serengeti. *Ecohydrology* **6**(3): 343-354.
- de Roode, J.C., and Lefèvre, T. 2012. Behavioral immunity in insects. *Insects* **3**(3): 789-820.

- Fritzsche, A., and Allan, B. 2012. The ecology of fear: host foraging behavior varies with the spatio-temporal abundance of a dominant ectoparasite. EcoHealth **9**: 70-74.
doi:10.1007/s10393-012-0744-z.
- Kortet, R., Niemelä, A., Vainikka, A., and Laakso, J. 2012. Females prefer bold males; an analysis of boldness, mate choice, and bacterial resistance in the field cricket *Gryllus integer*. Ecological Parasitology and Immunology **1**: Article ID 235580.
doi:10.4303/epi/235580.
- (80)** Lalubin, F., Bize, P., van Rooyen, J., Christe, P., and Glairot, O. 2012. Potential evidence of parasite avoidance in an avian malarial vector. Animal Behaviour **84**(3): 539-545.
- Nersesian, C.L., Banks, P.B., Simpson, S.J., and McArthur, C. 2012. Mixing nutrients mitigates the intake constraints of a plant toxin in a generalist herbivore. Behavioral Ecology **23**(4): 879-888.
- Chiejina, S.N., and Behnke, J.M. 2011. The unique resistance and resilience of the Nigerian West African Dwarf goat to gastrointestinal nematode infections. Parasites and Vectors **4**(1): art. no. 12.
- Fonteneau, F., Geiger, S., Marion, L., Le Maho, I., J-P., R., and Kinsella, J.M. 2011. Gastrointestinal helminths of King penguins (*Aptenodytes patagonicus*) at Crozet Archipelago. Polar Biology **34**(8): 1249-1252.
- Scharf, I., Bauer, S., Fischer-Blass, B., and Foitzik, S. 2011a. Impact of a social parasite on ant host populations depends on host species, habitat and year. Biological Journal of the Linnean Society **103**(3): 559-570.
- Scharf, I., Lubin, Y., and Ovadia, O. 2011b. Foraging decisions and behavioural flexibility in trap-building predators: a review. Biological Reviews **86**(3): 626-639.
- Schmid-Hempel, P. 2011. Evolutionary Parasitology: The Integrated Study of Infections, Immunology, Ecology, and Genetics. Oxford University Press, Oxford.
- Shumaker, R.W., Walkup, K.R., Beck, B.B., and Burghardt, G.M. 2011. Animal Tool Behavior: The Use and Manufacture of Tools by Animals. John Hopkins University Press, Baltimore.
- Celaya, R., Ferreira, L.M.M., Moreno-Gonzalo, J., Frutos, P., Hervás, G., Ferre, I., García, U., Ortega-Mora, L.M., and Osoro, K. 2010. Effects of heather and oat supplementation on gastrointestinal nematode infections and performance of grazing Cashmere goats. Small Ruminant Research **91**(2-3): 186-192.
- Clotherd, J.C., Morgan, C., Judge, J., Smith, L.A., and Hutchings, M.R. 2010. The effects of parasitism on recapture rates of wood mice (*Apodemus sylvaticus*) Wildlife Research **37**(5): 413-417.
- (70)** Garnick, S.W., Elgar, M.A., Beveridge, I., and Coulson, G. 2010. Foraging efficiency and parasite risk in eastern grey kangaroos (*Macropus giganteus*). Behavioral Ecology **21**(1): 129-137.
- Hoste, H., Sotiraki, S., Landau, S.Y., Jackson, F., and Beveridge, I. 2010. Goat-Nematode interactions: think differently. Trends in Parasitology **26**(8): 376-381.
- Kortet, R., Hedrick, A.V., and Vainikka, A. 2010. Parasitism, predation and the evolution of animal personalities Ecology Letters **13**(12): 1449-1458.

- MacIntosh, A.J.J., and Huffman, M.A. 2010. Toward understanding the role of diet in host-parasite interactions: the case for Japanese macaques. *In The Japanese Macaques. Edited by N. Nakagawa, M. Nakamichi, and H. Sugiura. Springer, Japan. pp. 323-344.*
- Turner, W.C., Cizauskas, C.A., and Getz, W.M. 2010. Variation in faecal water content may confound estimates of gastro-intestinal parasite intensity in wild African herbivores. *Journal of Helminthology* 84(1): 99-105.
- Yamazaki, K. 2010. Leaf mines as visual defensive signals to herbivores. *Oikos* 119(5): 796-801. doi:10.1111/j.1600-0706.2009.18300.x.
- Lenz, T.L., Eizaguirre, C., Scharsack, J.P., Kalbe, M., and Milinski, M. 2009. Disentangling the role of MHC-dependent 'good genes' and 'compatible genes' in mate-choice decisions of three-spined sticklebacks *Gasterosteus aculeatus* under semi-natural conditions. *Journal of Fish Biology* 75(8): 2122-2142.
- Lev-Yadun, S., Ne'eman, G., and Shanas, U. 2009. A sheep in wolf's clothing: do carrion and dung odours of flowers not only attract pollinators but also deter herbivores? *BioEssays* 31(1): 84-88.
- Ramnath, K.M., N. 2009. Behavioral effects of parasitism in animals. *Journal of Exotic Pet Medicine* 18(4): 254-265.
- Sánchez, M.I., Hortas, F., Figuerola, J., and Green, A.J. 2009. Sandpipers select red brine shrimps rich in both carotenoids and parasites. *Ethology* 115(2): 196-200.
- (60) Smith, L.A., Marion, G., Swain, D.L., White, P.C.L., and Hutchings, M.R. 2009a. Inter- and intra-specific exposure to parasites and pathogens via the faecal-oral route: a consequence of behaviour in a patchy environment. *Epidemiology and Infection* 137(5): 630-643. doi:10.1017/s0950268808001313.
- Smith, L.A., White, P.C.L., Marion, G., and Hutchings, M.R. 2009b. Livestock grazing behavior and inter- versus intraspecific disease risk via the fecal-oral route. *Behavioral Ecology* 20(2): 426-432.
- Fankhauser, R., Galeffi, C., and Suter, W. 2008. Dung avoidance as a possible mechanism in competition between wild and domestic ungulates: two experiments with chamois *Rupicapra rupicapra*. *European Journal of Wildlife Research* 54(1): 88-94. doi:10.1007/s10344-007-0115-1.
- Gérard, C., Carpentier, A., and Paillisson, J.M. 2008. Long-term dynamics and community structure of freshwater gastropods exposed to parasitism and other environmental stressors. *Freshwater Biology* 53(3): 470-484. doi:10.1111/j.1365-2427.2007.01912.x.
- Barber, I. 2007. Parasites, behaviour and welfare in fish. *Applied Animal Behaviour Science* 104(3-4): 251-264. doi:10.1016/j.applanim.2006.09.005.
- Fleurance, G., Duncan, P., Fritz, H., Cabaret, J., Cortet, J., and Gordon, I.J. 2007. Selection of feeding sites by horses at pasture: testing the anti-parasite theory. *Applied Animal Behaviour Science* 108(3-4): 288-301. doi:10.1016/j.applanim.2006.11.019.

- Barber, I. 2006. Host–parasite interactions of the three-spined stickleback. *In* Biology of the three-spined stickleback. *Edited by* S. Ostlund-Nilsson, I. Mayer, and F. Huntingford. Taylor & Francis, Boca Raton. pp. 271-312.
- Hutchings, M.R., Judge, J., Gordon, I.J., Athanasiadou, S., and Kyriazakis, I. 2006. Use of trade-off theory to advance understanding of herbivore-parasite interactions. *Mammal Review* **36**(1): 1-16. doi:10.1111/j.1365-2907.2006.00080.x.
- Nunn, C.L., and Altizer, S. 2006. *Infectious Diseases in Primates*. Oxford University Press.
- Smith, L.A., White, P.C.L., and Hutchings, M.R. 2006. Effect of the nutritional environment and reproductive investment on herbivore-parasite interactions in grazing environments. *Behavioral Ecology* **17**(4): 591-596. doi:10.1093/beheco/ark004.
- (50) Weyher, A.H., Ross, C., and Semple, S. 2006. Gastrointestinal parasites in crop raiding and wild foraging *Papio anubis* in Nigeria. *International Journal of Primatology* **27**(6): 1519-1534. doi:10.1007/s10764-006-9089-1.
- Fleurance, G., Duncan, P., Fritz, H., Cabaret, J., and Gordon, I.J. 2005. Importance of nutritional and anti-parasite strategies in the foraging decisions of horses: an experimental test. *Oikos* **110**(3): 602-612. doi:10.1111/j.0030-1299.2005.13428.x.
- Gabrion, C., and Gourbal, B. 2005. Reality and limits of host manipulation by parasites [Réalité et limites de la manipulation des hôtes par les parasites]. *Bulletin de la Societe Zoologique de France* **130**(2): 161-175.
- Jog, M., and Watve, M. 2005. Role of parasites and commensals in shaping host behaviour. *Current Science* **89**(7): 1184-1191.
- Ostlund-Nilsson, S., Curtis, L., Nilsson, G.E., and Grutter, A.S. 2005. Parasitic isopod *Anilocra apogonae*, a drag for the cardinal fish *Cheilodipterus quinquelineatus*. *Marine Ecology Progress Series* **287**: 209-216.
- Bustnes, J.O., and Galaktionov, K.V. 2004. Evidence of a state-dependent trade-off between energy intake and parasite avoidance in Steller's eiders. *Canadian Journal of Zoology* **82**: 1566-1571.
- Darimont, C.T., Reimchen, T.E., and Paquet, P.C. 2003. Foraging behaviour by gray wolves on salmon streams in coastal British Columbia. *Canadian Journal of Zoology* **81**(2): 349-353. doi:10.1139/z02-246.
- Gunn, A., and Irvine, R.J. 2003. Subclinical parasitism and ruminant foraging strategies - A review. *Wildlife Society Bulletin* **31**(1): 117-126.
- Hutchings, M.R., Athanasiadou, S., Kyriazakis, I., and Gordon, I.J. 2003. Can animals use foraging behaviour to combat parasites? *Proceedings of the Nutrition Society* **62**(2): 361-370. doi:10.1079/pns2003243.
- Van Der Veen, I.T. 2003. Is body size or activity of copepods related to ingestion of parasite larvae? *Parasitology* **126**(2): 173-178. doi:10.1017/s0031182002002652.
- (40) Aeby, G.S. 2002. Trade-offs for the butterflyfish, *Chaetodon multicinctus*, when feeding on coral prey infected with trematode metacercariae. *Behavioral Ecology and Sociobiology* **52**(2): 158-165. doi:10.1007/s00265-002-0490-2.

- Gourbal, B., Lacroix, A., and Gabrion, C. 2002. Behavioural dominance and *Taenia crassiceps* parasitism in BALB/c male mice. Parasitology Research **88**(10): 912-917. doi:10.1007/s00436-002-0691-7.
- Hutchings, M.R., Gordon, I.J., Kyriazakis, I., Robertson, E., and Jackson, F. 2002a. Grazing in heterogeneous environments: infra- and supra-parasite distributions determine herbivore grazing decisions. Oecologia **132**(3): 453-460. doi:10.1007/s00442-002-0971-z.
- Hutchings, M.R., Milner, J.M., Gordon, I.J., Kyriazakis, I., and Jackson, F. 2002b. Grazing decisions of Soay sheep, *Ovis aries*, on St Kilda: a consequence of parasite distribution? Oikos **96**(2): 235-244. doi:10.1034/j.1600-0706.2002.960205.x.
- Marathe, R.R., Goel, S.S., Ranade, S.P., Jog, M.M., and Watve, M.G. 2002. Patterns in abundance and diversity of faecally dispersed parasites of tiger in Tadoba National Park, central India. BMC Ecology **2**(6).
- Moore, J. 2002. *Parasites and the Behavior of Animals*. Oxford University Press.
- Vidya, T.N.C., and Sukumar, R. 2002. The effect of some ecological factors on the intestinal parasite loads of the Asian elephant (*Elephas maximus*) in southern India. Journal of Biosciences **27**(5): 521-528.
- Yearsley, J., Hastings, I.M., Gordon, I.J., Kyriazakis, I., and Illius, A.W. 2002. A lifetime perspective on foraging and mortality. Journal of Theoretical Biology **215**(4): 385-397. doi:10.1006/jtbi.2002.2529.
- Ebbert, M.A., Burkholder, J.J., and Marlowe, J.L. 2001. Trypanosomatid prevalence and host habitat choice in woodland drosophila. Journal of Invertebrate Pathology **77**(1): 27-32. doi:10.1006/jipa.2000.4989.
- Gérard, C. 2001. Structure and temporal variation of trematode and gastropod communities in a freshwater ecosystem. Parasite **8**(4): 275-287.
- (30) Hutchings, M.R., Gordon, I.J., Kyriazakis, I., and Jackson, F. 2001a. Sheep avoidance of faeces-contaminated patches leads to a trade-off between intake rate of forage and parasitism in subsequent foraging decisions. Animal Behaviour **62**(5): 955-964. doi:10.1006/anbe.2001.1837.
- Hutchings, M.R., Kyriazakis, I., and Gordon, I.J. 2001b. Herbivore physiological state affects foraging trade-off decisions between nutrient intake and parasite avoidance. Ecology **82**(4): 1138-1150.
- Barber, I., Hoare, D., and Krause, J. 2000. Effects of parasites on fish behaviour: a review and evolutionary perspective. Reviews in Fish Biology and Fisheries **10**(2): 131-165. doi:10.1023/a:1016658224470.
- Cooper, J., Gordon, I.J., and Pike, A.W. 2000. Strategies for the avoidance of faeces by grazing sheep. Applied Animal Behaviour Science **69**(1): 15-33. doi:10.1016/s0168-1591(00)00116-7.
- Hutchings, M.R., Gordon, I.J., Robertson, E., Kyriazakis, I., and Jackson, F. 2000a. Effects of parasitic status and level of feeding motivation on the diet selected by sheep grazing grass/clover swards. Journal of Agricultural Science **135**(1): 65-75. doi:10.1017/s002185969900790x.

- Hutchings, M.R., Kyriazakis, I., Papachristou, T.G., Gordon, I.J., and Jackson, F. 2000b. The herbivores' dilemma: trade-offs between nutrition and parasitism in foraging decisions. Oecologia **124**(2): 242-251.
- Pfennig, D.W. 2000. Effect of predator-prey phylogenetic similarity on the fitness consequences of predation: a trade-off between nutrition and disease? American Naturalist **155**(3): 335-345. doi:10.1086/303329.
- Thomas, F., Poulin, R., Guegan, J.F., Michalakis, Y., and Renaud, F. 2000. Are there pros as well as cons to being parasitized? Parasitology Today **16**(12): 533-536. doi:10.1016/s0169-4758(00)01790-7.
- De Garine-Wichatitsky, M., De Meeüs, T., Guegan, J.F., and Renaud, F. 1999. Spatial and temporal distributions of parasites: can wild and domestic ungulates avoid African tick larvae. Parasitology **119**(5): 455-466. doi:10.1017/s0031182099005016.
- Hutchings, M., Kyriazakis, I., Gordon, I.J., and Jackson, F. 1999. Trade-offs between nutrient intake and faecal avoidance in herbivore foraging decisions: the effect of animal parasitic status, level of feeding motivation and sward nitrogen content. Journal of Animal Ecology **68**(2): 310-323. doi:10.1046/j.1365-2656.1999.00287.x.
- (20) Haye, P.A., and Ojeda, F.P. 1998. Metabolic and behavioral alterations in the crab *Hemigrapsus crenulatus* (Milne-Edwards 1837) induced by its acanthocephalan parasite *Profilicollis antarcticus* (Zdzitowiecki 1985). Journal of Experimental Marine Biology and Ecology **228**(1): 73-82. doi:10.1016/s0022-0981(98)00007-0.
- Hutchings, M.R., Kyriazakis, I., Anderson, D.H., Gordon, I.J., and Coop, R.L. 1998. Behavioural strategies used by parasitized and non-parasitized sheep to avoid ingestion of gastrointestinal nematodes associated with faeces. Animal Science **67**(1): 97-106.
- James, K.E.S., and Poulin, R. 1998. The effects of perceived competition and parasitism on the foraging behaviour of the upland bully (Eleotridae). Journal of Fish Biology **53**(4): 827-834. doi:10.1006/jfbi.1998.0749.
- Kyriazakis, I., Tolcamp, B.J., and Hutchings, M.R. 1998. Towards a functional explanation for the occurrence of anorexia during parasitic infections. Animal Behaviour **56**(2): 265-274. doi:10.1006/anbe.1998.0761.
- Lozano, G.A. 1998. Parasitic stress and self-medication in wild animals. *In* Stress and Behavior. Edited by A. P. Møller, M. Milinski, and P. J. B. Slater. Academic Press, San Diego, CA. pp. 291-317.
- Pfennig, D.W., Ho, S.G., and Hoffman, E.A. 1998. Pathogen transmission as a selective force against cannibalism. Animal Behaviour **55**: 1255-1261.
- Bartoli, P., Bourgeay-Causse, M., and Combes, C. 1997. Parasite transmission via a vitamin supplement. BioScience **47**(4): 251-260.

- Couch, L., Stone, P.A., Duszynski, D.W., Snell, H.L., and Snell, H.M. 1996. A survey of the coccidian parasites of reptiles from islands of the Galápagos archipelago: 1990-1994. Journal of Parasitology **82**(3): 432-437.
- Wedekind, C., and Milinski, M. 1996. Do three-spined sticklebacks avoid consuming copepods, the first intermediate host of *Schistocephalus solidus*? An experimental analysis of behavioural resistance. Parasitology **112**(4): 371-383.
- Moore, J. 1995. The behavior of parasitized animals. Bioscience **45**(2): 89-96.
- (10) Pulgar, J., Aldana, M., Vergara, E., and George-Nascimento, M. 1995. Behavior of the estuarine crab *Hemigrapsus crenulatus* (Milne-Edwards 1837) in relation to the parasitism by the acanthocephalan *Profilicollis antarcticus* (Zdzitowiecki 1985) in southern Chile. Revista Chilena de Historia Natural **68**: 439-450.
- Thomas, F., Reneaud, F., De Meeüs, T., and Cézilly, F. 1995. Parasites, age and the Hamilton-Zuk hypothesis: inferential fallacy? Oikos **74**: 305-309.
- Durrer, S., and Schmid-Hempel, P. 1994. Shared use of flowers leads to horizontal pathogen transmission. Proceedings of the Royal Society of London B **258**: 299-302.
- Poulin, R. 1994. The evolution of parasite manipulation of host behavior - a theoretical-analysis. Parasitology **109**(supplement): S109-S118.
- Clayton, D.H., and Vernon, J.G. 1993. Common grackle anting with lime fruit and its effects on ectoparasites. Auk **110**: 951-952.
- Clayton, D.H., and Wolfe, N.D. 1993. The adaptive significance of self-medication. Trends in Ecology & Evolution **8**: 60-63.
- Forbes, M.R.L. 1993. Parasitism and host reproductive effort. Oikos **67**: 444-450.
- Møller, A.P., Dufva, R., and Allander, K. 1993. Parasites and the evolution of host social-behavior. *Edited by P Slater, M. Milinski, C. Snowdon, and J. Rosenblatt.* Academic Press. pp. 65- 102.
- Sih, A. 1993. Effects of ecological interactions on forager diets: competition, predation risk, parasitism and prey behaviour. *In Diet selection: an interdisciplinary approach to foraging behaviour.* *Edited by R. N. Hughes.* Blackwell Scientific Publications. , Oxford.
- Lafferty, K.D. 1992. Foraging on prey that are modified by parasites. American Naturalist **140**: 854-867.