

Animal Welfare References Indexed By Topic

GENERAL ANIMAL WELFARE TOPICS

- Animal Welfare. Wallingford, Oxon, UK: CAB International, 1997;316.
- Animal Welfare and Meat Production, 2nd edition. Wallingford, Oxfordshire, UK: CAB International, 2007;299.
- Broom, D.M. (1993). "A usable definition of animal welfare." *Journal of Agricultural and Environmental Ethics* 6: 15-25.
- Domestic Animal Behaviour and Welfare, 4th edition. Wallingford, Oxfordshire, UK: CAB International, 2007;438.
- D'Silva, J. (2006). "Adverse impact of industrial animal agriculture on the health and welfare of farmed animals." *Integrative Zoology* 1(1):53-58.
- Duncan, I., D. Fraser. (1997). "Understanding animal welfare." In: Appleby M.C., Hughes B.O., editors. *Animal Welfare*. Oxon: CAB International. p. 19-31.
- The ethology of domestic animals: an introductory text, 2nd edition. Wallingford, Oxfordshire, UK: CAB International, 2009; 299.
- Fraser, D. (1999). "Animal ethics and animal welfare science: bridging two cultures." *Applied Animal Behaviour Science* 65(3): 171-189.
- Hemsworth, P., H. Gonyou. (1997). "Human Contact." In: Appleby M.C., Hughes B.O., editors. *Animal Welfare*. Oxon: CAB International. p. 205-217.
- Hewson, C., J. Wojciechowska. (2003). "Is she suffering? A theoretical approach to assessing quality of life in companion animals." Annual Conference of the International Society for Applied Ethology, Abano Terme, Italy June 2003 (Proceedings 37). http://www.applied-ethology.org/isaemeetings_files/2003%20ISAE%20in%20Abano%20Therme,%20Italy.pdf
- Knierim, U., D. Hesse, E. Von Borell, H.J. Herrmann, C. Muller, H.W. Rauch, N. Sachser, F. Zerbe. (2003). "Voluntary animal welfare assessment of mass-produced farm animal housing equipment using a standardized procedure." *Animal Welfare* 12(1): 75-84.
- Manteuffel, G., B. Puppe, P.C. Schon. (2004). "Vocalization of farm animals as a measure of welfare." *Applied Animal Behaviour Science* 88(1-2): 163-182.
- Mench, J., G. Mason. (1997). "Behavior." In: Appleby M.C., Hughes B.O., editors. *Animal Welfare*. Oxon: CAB International. p. 127-141.
- Petherick, J.C. (2005). "Animal welfare issues associated with extensive livestock production: the northern Australian beef cattle industry." *Applied Animal Behaviour Science* 92(3): 211-234
- Rollin, B. (1996). "Ideology, 'value-free science', and animal welfare." *Acta Agriculturae Scandinavica Sect A. Animal Science Supplementum* 27: 5-10.
- Rushen, J., A. de Passille. (1992). "The scientific assessment of the impact of housing on animal welfare—a critical review." *Canadian Journal of Animal Science* 72(4): 721-743.

- Sandoe, P., S.B. Christiansen, M.C. Appleby. (2003) "Farm Animal Welfare: The Interaction of ethical questions and animal welfare science." *Animal Welfare* 12(4): 469-478
- von Borell, E.H. (2001). "The biology of stress and its application to livestock housing and transportation assessment." *Journal of Animal Science* 79(E. Suppl.): E260-E267.
- Whay, H.R., D.C. Main, L.E. Green, A.J.F. Webster. (2003). "Animal-based measures for the assessment of welfare state of dairy cattle, pigs, and laying hens: consensus of expert opinion." *Animal Welfare* 12(2): 205-217.

Stereotypic Behavior:

- Lawrence, A., E. Terlouw. (1993). "A review of behavioral factors involved in the development and continued performance of stereotypic behaviors in pigs." *Journal of Animal Science* 71: 2815-2825.
- Mason, G. (1991). "Stereotypies: a critical review." *Animal Behaviour* 41(6): 1015-1037.
- McGreevy, P., P. Cripps, N.P. French, L.E. Green, C.J. Nicol. (1995). "Management factors associated with stereotypic and redirected behavior in the thoroughbred horse." *Equine Vet J* 27(2): 86-91.
- Rushen, J. (1993). "The 'coping' hypothesis of stereotypic behavior." *Animal Behavior* 45(3): 613-618.
- Vieuille-Thomas, C., G. Le Pape, J.P. Signoret. (1995). "Stereotypies in pregnant sows: indications of influence of the housing system on the patterns expressed by the animals." *Applied Animal Behavior Science* 44(1): 19-27.
- Zanella, A., D.M. Broom, J.C. Hunter, M.T. Mendl. (1996). "Brain opioid receptors in relation to stereotypies, inactivity, and housing in sows." *Physiology & Behavior* 59(4/5): 769-775.

Pain:

- Bateson, P. (1991). "Assessment of pain in animals." *Animal Behavior* 42(5): 827-839.
- Fecknell, P., V. Molony. (1997). "Pain and Injury." In: Appleby M.C., Hughes B.O., editors. *Animal Welfare*. Oxon: CAB International. p. 63-73.
- Grandin, T., M. Deesing. (2002). "Distress in animals: is it fear, pain or physical stress?" In: American Board of Veterinary Practitioners Symposium 2002, California. www.grandin.com/welfare/fear.pain.stress.html
- Grant, C. (2004). "Behavioral responses of lambs to common painful husbandry procedures." *Applied Animal Behavior Science* 87(3/4):255-273.
- Hewson, C. and J. Wojciechowska. (2003). "Is she suffering? A theoretical approach to assessing quality of life in companion animals." Annual Conference of the International Society for Applied Ethology, Abano Terme, Italy June 2003 (Proceedings 37). http://www.applied-ethology.org/isaemeetings_files/2003%20ISAE%20in%20Abano%20Therme,%20Italy.pdf
- Mellor, D., K. Stafford. (2004). "Physiological and behavioral assessment of pain in ruminants: principles and caveats." *Alternatives to Laboratory Animals* 32(supplement 1): 267-271.

- Molony, V., J. Kent, I. Mckendrick. (2002). "Validation of a method for assessment of an acute pain in lambs." *Applied Animal Behavior Science* 76(3): 215-238.
- Peers, A., D. Mellor, E.M. Wintour, M. Dodic. (2002). "Blood pressure, heart rate, hormonal and other acute responses to rubber-ring castration and tail docking of lambs." *New Zealand Veterinary Journal* 50(2): 56-62.
- Robertson, I., J. Kent *et al.* (1994). "Effect of different methods of castration on behavior and plasma cortisol in calves of three ages." *Research in Veterinary Science* 56(1): 8-17.
- Sneddon, L., M. Gentle. (2000). "Pain in farm animals." Invited presentation: Focus Group 5, Animal health and animal well-being. Sustainable Animal Agriculture Series. September 4-5, 2000. Convened by the Research Consortium Sustainable Animal Production, Federal Agricultural Research Center (FAL). Institute for Animal Science and Animal Behaviour, Mariensee, Germany.
<http://agriculture.de/acms1/conf6/ws5apain.htm>
- Tom, E., J. Rushen, I.J.H Duncan, A.M. de Passille. (2002). "Behavioral, health and cortisol responses of young calves to tail docking using a rubber ring or docking iron." *Canadian Journal of Animal Science* 82(1): 1-9.

Distress:

- Bartels, T. (1995). "Breeding for distress in fowl." *Deutsche tierärztliche Wochenschrift* 102(3): 117-119.
- Cornetto, T., I. Estevez, W. Douglass. (2002). "Using artificial cover to reduce aggression and disturbances in domestic fowl." *Applied Animal Behavior Science* 75(4): 325-336.
- Grandin, T., M. Deesing. (2002) "Distress in animals: is it fear, pain or physical stress?" In: American Board of Veterinary Practitioners Symposium 2002, California.
www.grandin.com/welfare/fear.pain.stress.html
- Hewson, C., J. Wojciechowska. (2003). "Is she suffering? A theoretical approach to assessing quality of life in companion animals." Annual Conference of the International Society for Applied Ethology, Abano Terme, Italy June 2003 (Proceedings 37). http://www.applied-ethology.org/isaemeetings_files/2003%20ISAE%20in%20Abano%20Therme,%20Italy.pdf
- Jones, R.B. (1997). "Fear and distress." In: Appleby M.C., Hughes B.O., editors. *Animal Welfare*. Oxon: CAB International: 75-87.
- Munksgaard, L, A.M. De Passillé, J. Rushen, M.S. Herskin, A.M. Kristensen. (2001). "Dairy cows' fear of people: social learning, milk yield, and behavior at milking." *Applied Animal Behavior Science* 73(1): 15-26.
- Ting, S., B. Earley, J.M.L. Hughes, M.A. Crowe. (2003). "Effect of ketoprofen, lidocaine local anesthesia, and combined xylazine and lidocaine caudal epidural anesthesia during castration of beef cattle on stress responses, immunity, growth, and behavior." *Journal of Animal Science* 81: 1281-1293.
- Zulkifi, I., A. Siti Nor Azah. (2004). "Fear and stress reactions, and the performance of commercial broiler chickens subjected to regular pleasant and unpleasant contacts with human being." *Applied Animal Behavior Science* 88(1/2): 77-87.

Vocalization as a welfare marker:

- Grandin, T. (1998). "The feasibility of using vocalization scoring as an indicator of poor welfare during cattle slaughter." *Applied Animal Behavior Science* 56(2/4): 121-128.
- Grandin, T. (2001). "Cattle vocalizations are associated with handling and equipment problems at beef slaughter plants." *Applied Animal Behavior Science* 71(3): 191-201.
- Manteuffel, G., B. Puppe, P.C. Schon. (2004). "Vocalization of farm animals as a measure of welfare." *Applied Animal Behavior Science* 88(1/2): 163-182.

Human Interactions:

- Delezie, E., D. Lips, E. Decupere. (2006). "Is the mechanization of catching broilers a welfare improvement?" *Animal Welfare* 15(2): 141-147.
- Koba, Y., H. Tanida. (2001). "How do miniature pigs discriminate between people? Discrimination between people wearing coveralls of the same color." *Applied Animal Behavior Science* 73(1): 45-58.
- Rousing, T., B. Ibsen, J.T. Sorensen. (2005). "A note on: On-farm testing of the behavioral response of group-housed calves towards humans; test-retest and inter-observer reliability and effect of familiarity of test person." *Applied Animal Behavior Science* 94(3/4): 237-243.
- Rushen, J., L. Munksgaard, P.G. Marnet, A.M. DePassille. (2001). "Human contact and the effects of acute stress on cows at milking." *Applied Animal Behavior Science* 73(1): 1-14.
- Zulkifi, I., A. Siti Nor Azah. (2004). "Fear and stress reactions, and the performance of commercial broiler chickens subjected to regular pleasant and unpleasant contacts with human being." *Applied Animal Behavior Science* 88(1/2): 77-87.

International Welfare Issues:

- Kuit, H.G., A. Traore, R.T. Wilson. (1986). "Livestock production in central Mali: ownership, management and productivity of poultry in the traditional sector." *Tropical Animal Health and Production* 18(4): 222-231.
- Petherick, J.C. (2005). "Animal welfare issues associated with extensive livestock production: the northern Australian beef cattle industry." *Applied Animal Behavior Science* 92(3): 211-234.

Enrichment:

- Grandin, T. (1989). "Effect of rearing environment and environmental enrichment on the behavior of neural development in young pigs", the University of Illinois, Urbana-Champaign. <http://www.grandin.com/references/diss.intro.html>
- Newberry, R.C. (1995) "Environmental enrichment: increasing the biological relevance of captive environments." *Applied Animal Behaviour Science* 44: 229-243
- Newberry, R.C., Estevez I.A. (1997) "A dynamic approach to the study of environmental enrichment and animal welfare." *Applied Animal Behaviour Science* 54: 53-57

SLAUGHTER

Carcass Quality:

- Anil, M.H., T. Yesildere, H. Aksu, E. Matur, J.L. McKinstry, O. Erdogan, S. Hughes, C. Mason (2004). "Comparison of religious slaughter of sheep with methods that include pre-slaughter stunning, and the lack of differences in exsanguination, packed cell volume, and meat quality parameters." *Animal Welfare* 13(4): 387-392.
- Baeza, E., C. Dessay, N. Wacrenier, G. Marche, A. Listrat. (2002). "Effect of selection for improved body weight and composition on muscle and meat characteristics in Muscovy duck." *British Poultry Science* 43(4): 560-568.
- Farhat, A. E.R. Chavez. (2000). "Comparative performance, blood chemistry, and carcass composition of two lines of Pekin ducks reared mixed or separated by sex." *Poultry Science* 79(4): 460-465.

Slaughter:

- AVMA. AVMA guidelines for the euthanasia of animals: 2013 edition. Available at: www.avma.org/KB/Policies/Pages/Euthanasia-Guidelines.aspx
- AVMA. AVMA Guidelines for the Humane Slaughter of Animals: 2016 Edition. Available at: <https://www.avma.org/KB/Policies/Pages/Guidelines-Humane-Slaughter-Animals.aspx>
- Davis, K. (2002). "The need for legislation and elimination of electrical immobilization." *United Poultry Concerns* <http://www.upc-online.org/slaughter/report.html>
- Grandin, T. (1994). "Euthanasia and slaughter of livestock." *Journal of the American Veterinary Medical Association* 209(9): 1354-1360.
- Grandin, T. (1996). "Factors that impede animal movement at slaughter plants." *Journal of the American Veterinary Medical Association* 209(4): 757-759.
- Grandin, T. (1998). "Objective scoring of animal handling and stunning practices at slaughter plants." *Journal of the American Veterinary Medical Association* 212: 36-39.
- South Dakota State Meat Science department meat lab tour <http://ars.sdstate.edu/meats/meat%20lab%20virtual%20tour.pdf>
- United Poultry Concerns (2000). "Animals killed for food in the United States in 2000." http://www.upc-online.org/slaughter/2000slaughter_stats.html
- Clotey, St. J. A. (1985). *Agriculture and Consumer Production: FAO Animal Production and Health Papers*. Manual for the slaughter of small ruminants in developing countries. ISBN: 92-5-102271-2 <http://www.fao.org/docrep/003/X6552E/X6552E00.HTM>

Religious Slaughter:

- Anil, M.H., R. Yesildere, H. Aksu, E. Matur, J.L. McKinstry, O. Erdogan, S. Hughes, C. Mason. (2004). "Comparison of religious slaughter of sheep with methods that include pre-slaughter stunning, and the lack of differences in exsanguination, packed cell volume, and meat quality parameters." *Animal Welfare* 13(4): 387-392.
- Stanton, T. (2007). *Education- Publications- Religious Slaughter*. Ethnic Holiday Calendar. <http://sheepgoatmarketing.info/education/ethnicholidays.htm>

Pre-Slaughter Handling:

- Grandin, T. (1993). "Teaching principles of behavior and equipment design for handling livestock." *Journal of Animal Science* 71(4): 1065-1070.
- Grandin, T. (1996). "Factors that impede animal movement at slaughter plants." *Journal of the American Veterinary Medical Association* 209(4): 757-759.
- Grandin, T. (1997). "Good management practices for animal handling and stunning." 2nd ed. American Meat Institute Foundation.
<http://www.grandin.com/ami.audit.guidelines.html>
- Grandin, T. (1998) "Objective scoring of animal handling and stunning practices at slaughter plants." *Journal of the American Veterinary Medical Association* 212: 36-39.
- Grandin, T. (2000). "Effect of animal welfare audits of slaughter plants by a major fast food company on cattle handling and stunning practices." *Journal of the American Veterinary Medical Association* 216(6): 848-851.
- Grandin, T. (2001). "Progress in livestock handling and slaughter techniques in the United States, 1970-2000." In: Rowan, A.N., Salem, D.J., editors. *The State of the Animals*. Gaithersburg: Humane Society Press: 101-110.
- Hemsworth, P., H. Gonyou. (1997). "Human contact." In: Appleby M.C., Hughes B.O., editors. *Animal Welfare*. Oxon: CAB International: 205-217.
- Zulkifi, I., A. Siti Nor Azah. (2004). "Fear and stress reactions, and the performance of commercial broiler chickens subjected to regular pleasant and unpleasant contacts with human being." *Applied Animal Behavior Science* 88(1/2): 77-87.
- Masator, A., A. Negishi, A. Abe, Y. Maejima, and S. Sugita. (2003). "Sex differences in stress responses to transportation in goats: Effects of gonadal hormones." *Animal Science Journal* 74(6): 511-519.

Slaughter Plant Welfare Audits:

- Grandin, T. (2000). "Effect of animal welfare audits of slaughter plants by a major fast food company on cattle handling and stunning practices." *Journal of the American Veterinary Medical Association* 216(6): 848-851.
- Grandin, T. (2009). "Animal welfare audits for cattle, pigs, and chickens that use the HACCP principles of critical control points."
<http://www.grandin.com/welfare.audit.using.haccp.html>
- Grandin, T. (2005). "Poultry slaughter plant and farm audit: Critical control points for bird welfare." <http://www.grandin.com/poultry.audit.html>
- Kahler, S.C. (2005). "Farm visits influence foie gras vote." *Journal of the American Veterinary Medical Association* 227: 688-689.
- Knierim, U., D. Hesse, E. von Borell, H. J. Herrmann, C. Muller, H.W. Rauch, N. Sachser, F. Zerbe. (2003). "Voluntary animal welfare assessment of mass-produced farm animal housing equipment using a standardized procedure." *Animal Welfare* 12: 75-84.

SWINE

Housing:

- Alban, L., J.V. Petersen, M.E. Busch. (2015) "A comparison between lesions found during meat inspection of finishing pigs raised under organic/free range conditions and conventional, indoor conditions" *Porcine Health Management* 1(4)
- Andersen, I.L., S. Berg, K.E. Boe. (2005). "Crushing of piglets by the mother sow (*Sus scrofa*) - purely accidental or a poor mother?" *Applied Animal Behavior Science* 93(3/4): 229-243.
- Barnett, J.L., G.M. Cronin, C.G. Winfield, A.M. Dewar. (1984). "The welfare of adult pigs: the effects of five housing treatments on behavior, plasma corticosteroids, and injuries." *Applied Animal Behavior Science* 12(3): 209-232.
- Bolhuis, E.J., M. Oostindjer, C.W. Hoeks, E.N. de Haas, A.C. Bartels, M. Ooms, B. Kemp. (2013) "Working and reference memory of pigs (*Sus scrofa domesticus*) in a holeboard spatial discrimination task: the influence of environmental enrichment." *Animal Cognition* 16(5): 845-850
- Bracke, M.B.M. (2011) "Review of wallowing in pigs: Description of the behaviour and its motivational basis" *Applied Animal Behaviour Science* 132(1-2): 1-13
- Broom, D.M., M.T. Mendl, A.J. Zanella. (1995). "A comparison of the welfare of sows in different housing conditions." *Animal Production* 61: 369-385.
- Cador, C., F. Pol, M. Hamoniaux, V. Dorenlor, E. Eveno, C. Guyomarc'h, N. Rose. (2014) "Risk factors associated with leg disorders of gestating sows in different group-housing systems: A cross-sectional study in 108 farrow-to-finish farms in France" *Preventative Veterinary Medicine* 116(1-2): 102-110
- Cagienard, A., G. Regula, J. Danuser. (2005) "The impact of different housing systems on health and welfare of grower and finisher pigs in Switzerland" *Preventative Veterinary Medicine* 68(1): 49-61
- Chidgey, K.L., P.C. Morel, I.W. Barugh. (2013) "The welfare and productivity of dry sows in different group housing systems in New Zealand" *Journal of Applied Animal Welfare Science* 16(2): 150-167
- Cornale, P., E. Macchi, S. Miretti, M. Renna, C. Lussiana, G. Perona, A. Mimosi. (2015) "Effects of stocking density and environmental enrichments on behavior and fecal corticosteroid levels of pigs under commercial farm conditions" *Journal of Veterinary Behavior: Clinical Applications and Research* 10(6): 569-576
- Dailey, J., J. McGlone. (1997). "Oral/nasal/facial and other behaviors of sows kept individually outdoors on pasture, soil or indoors in gestation crates." *Applied Animal Behavior Science* 52: 25-43.
- Day, J.E.L., A. Burfoot, C.M. Docking, X. Whittaker, H.A.M. Spooler, S.A. Edwards. (2002). "The effects of prior experience of straw and the level of straw provision on the behavior of growing pigs." *Applied Animal Behavior Science* 76(3): 189-202.
- Honeyman, M.S., J.D. Harmon. (2003) "Performance of finishing pigs in hoop structures and confinement during winter and summer." *Journal of Animal Science* 81(7): 1663-1670
- Kirkden, R.D., E.A. Pajor. (2006). "Motivation for group housing in gestating sows." *Animal Welfare* 15: 119-130.

- Pedersen, L.J., L. Holm, M.B. Jensen, E. Jorgensen. (2005). "The strength of pigs' preferences for different rooting materials measured using concurrent schedules of reinforcement." *Applied Animal Behavior Science* 94(1/2): 31-48.
- Silerova, J., M. Spinka, R. Sarova, K. Slamova, B. Algers. (2006). "A note on differences in nursing behavior on pig farms employing individual and group housing of lactating sows." *Applied Animal Behavior Science* 101(1/2):167-176.
- Stolba, A. (1982). "Designing Pig Housing Conditions According to Patterns of Social Structure." In: *Proceedings of the Perth Pig Conference*, Edinburgh School of Agriculture, pp. 11-24.
- Street, B.R., H.W. Gonyou. (2007) "Effects of housing finishing pigs in two group sizes and at two floor space allocations on production, health, behavior, and physiological variables" *Journal of Animal Science – Behavior* 86(4): 982-991
- Vieuille-Thomas, C., G. Le Pape, J.P. Signoret. (1995). "Stereotypies in pregnant sows: indications of influence of the housing system on the patterns expressed by the animals." *Applied Animal Behavior Science* 44: 19-27.
- Weary, D., E. Pajor, M. Bonenfant, S.K. Ross, D. Fraser, D.L. Kramer. (1999). "Alternative housing for sows and litters: Effects of a communal piglet area on pre- and post-weaning behavior and performance." *Applied Animal Behavior Science* 65(2): 123-135.
- Weary, D., P.A. Phillips, E.A. Pajor, D. Fraser, B.K. Thompson. (1998). "Crushing of piglets by sows: effects of litter features, pen features and sow behavior." *Applied Animal Behavior Science* 61(2): 103-111.
- Zanella, A., D.M. Broom, J.C. Hunter, M.T. Mendl. (1996). "Brain opioid receptors in relation to stereotypies, inactivity, and housing in sows." *Physiology & Behavior* 59: 769-775.
- Zhang, M., X. Li, X. Zhang, H. Liu, J. Li, J. Bao. (2017) "Effects of confinement duration and parity on behavioural responses and the degree of psychological fear in sows" *Applied Animal Behaviour Science* 193: 21-28

Sow and Piglet Interactions:

- Andersen, I.L., S. Berg, K. Boe. (2005). "Crushing of piglets by the mother sow (*Sus scrofa*)- purely accidental or a poor mother?" *Applied Animal Behavior Science* 93: 299-243.
- D'Eath, R.B. (2005). "Socializing piglets before weaning improves social hierarchy formation when pigs are mixed post-weaning." *Applied Animal Behavior Science* 93(3/4): 199-211.
- de Ruyter, E.M., W.H.E.J. van Wetter, D.S. Lines, K.J. Plush. (2017) "Gradually reducing sow contact in lactation in beneficial for piglet welfare around weaning" *Applied Animal Behaviour Science* 193: 43-50
- Silerova, J., M. Spinka, R. Sarova, K. Slamova, B. Algers. (2006). "A note on differences in nursing behavior on pig farms employing individual and group housing of lactating sows." *Applied Animal Behavior Science* 101(1/2):167-176.
- Weary, D., E. Pajor, M. Bonenfant, S. K. Ross, D. Fraser. (1999). "Alternative housing for sows and litters: Effects of a communal piglet area on pre- and post-weaning behavior and performance." *Applied Animal Behavior Science* 65: 123-135.

- Weary, D., P. Phillips, E.A. Pajor, D. Fraser, B.K. Thompson. (1998). "Crushing of piglets by sows: effects of litter features, pen features and sow behavior." *Applied Animal Behavior Science* 61: 103-111.

Swine Social Behavior:

- Clark, C.C.A., R.B. D'Eath. (2013) "Age over experience: Consistency of aggression and mounting behavior in male and female pigs" *Applied Animal Behaviour Science* 147(1-2): 81-93
- Conte, S., P.G. Lawlor, N. O'Connell, L.A. Boyle. (2012) "Effect of split marketing on the welfare, performance, and carcass traits of finishing pigs" *Journal of Animal Science* 90(1): 373-380
- D'Eath, R.B. (2005). "Socializing piglets before weaning improves social hierarchy formation when pigs are mixed post-weaning." *Applied Animal Behavior Science* 93: 199-211.
- Grandin, T. (1989). "Effect of rearing environment and environmental enrichment on the behavior of neural development in young pigs." *Doctoral Dissertation, The University of Illinois* <http://www.grandin.com/references/diss.intro.html>.
- Kittawornrat, A., J.J. Zimmerman. (2010) "Toward a better understanding of pig behavior and pig welfare" *Animal Health Research Reviews* 12(1): 25-32
- Koba, Y., H. Tanida. (2001). "How do mature pigs discriminate between people? Discrimination between people wearing coveralls of the same color." *Applied Animal Behavior Science* 73(1): 45-58.
- Larsen, M.L.V., H.M. Andersen, L.J. Pedersen. (2016) "Can tail damage outbreaks in the pig be predicted by behavioural change?" *The Veterinary Journal* 209: 50-56
- Meunier-Salaün, M.C., J. Chiron, F. Etoire, A. Fabre, A. Laval, F. Pol, A. Prunier, Y. Ramonet, B.L. Nielsen. (2017) "Review: Drinking water for liquid-fed pigs" *Animal* 11(5): 836-844
- Parois, S., C. Larzul, A. Prunier. (2017) "Associations between the dominance status and sexual development, skin lesions or feeding behaviour of intact male pigs" *Applied Animal Behaviour Science* 187: 15-22
- Rydhmer, L., M. Hansson, K. Lundström, C. Brunius, K. Andersson. (2013) "Welfare of entire male pigs is improved by socializing piglets and keeping intact groups until slaughter" *Animal* 7(9): 1532-1541
- Stolba, A. (1982). "Designing Pig Housing Conditions According to Patterns of Social Structure." In: *Proceedings of the Perth Pig Conference, Edinburgh School of Agriculture*, pp. 11-24.
- Telkänranta, H., J.N. Marchant-Forde, A. Valros. (2016) "Tear staining in pigs: a potential tool for welfare assessment on commercial farms" *Animal* 10(2): 318-325
- Turner, S., G. Horgan, S.A. Edwards. (2001). "Effect of the social group size on aggressive behavior between unacquainted domestic pigs." *Applied Animal Behavior Science* 74(3): 203-215.
- Veit, C., K. Büttner, I. Traulsen, M. Gertz, M. Hasler, O. Burfeind, E. grosse Beilage, J. Krieter. (2017) "The effect of mixing piglets after weaning on the occurrence of tail-biting during rearing" *Livestock Science* 201: 70-73

Swine Stereotypies:

- Lawrence, A., E. Terlouw. (1993). "A review of behavioral factors involved in the development and continued performance of stereotypic behaviors in pigs." *Journal of Animal Science* 71: 2815-2825.
- Vieuille-Thomas, C., G. Le Pape, J.P. Signoret. (1995). "Stereotypies in pregnant sows: indications of influence of the housing system on the patterns expressed by the animals." *Applied Animal Behavior Science* 44: 19-27.
- Zanella, A., D.M. Broom, J.C. Hunter, M.T. Mendl. (1996). "Brain opioid receptors in relation to stereotypies, inactivity, and housing in sows." *Physiology & Behavior* 59: 769-775.

Swine Rooting and Maternal Behavior:

- Edge, H., C.A. Bulman, S.A. Edwards. (2005). "Alternatives to nose-ringing in outdoor sows: the provision of root crops." *Applied Animal Behavior Science* 92(1-2): 15-26.
- Huntsberry, M.E., D. Charles, K.M. Adams, J.L. Weeds. (2008) "The foraging ball as a quick and easy enrichment device for pigs (*Sus scrofa*)" *Lab Animal* 37(9): 411-414
- Jensen, P. (1988). "Maternal behavior and mother-young interactions during lactation in free-ranging domestic pigs." *Applied Animal Behavior Science* 20(3/4): 297-308.
- Jensen, P., K. Vestergaard, B. Algers. (1993). "Nestbuilding in free-range domestic sows." *Applied Animal Behavior Science* 38(3/4): 245-255.
- Jensen, M.B., M.S. Herskin, B. Forkman, L.J. Pedersen. (2015) "Effect of increasing amounts of straw on pigs' explorative behavior" *Applied Animal Behaviour Science* 171: 58-63
- Lahrmann, H.P., L.C. Oxholm, H. Steinmetz, M.B.F. Nielsen, R.B. D'Eath. (2015) "The effect of long or chopped straw on pig behavior" *Animal* 9(5): 862-870
- Pedersen, L.J., L. Holm, M.B. Jensen, E. Jorgensen. (2005). "The strength of pigs' preferences for different rooting materials measured using concurrent schedules of reinforcement." *Applied Animal Behavior Science* 94(1/2): 31-48.
- Studnitz, M., K. Jensen. (2002). "Expression of rooting motivation in gilts following different lengths of deprivation." *Applied Animal Behavior Science* 76(3): 203-213.

Swine Castration:

- Guay, K., G. Salgado, G. Thompson, B. Backus, A. Sapkota, W. Chaya, J.J. McGlone. (2013) "Behavior and handling of physically and immunologically castrated market pigs on farm and going to market" *Journal of Animal Science – Animal Production* 91(11): 5410-5417
- Morales, J., D. Andre, A. Manso, L. deFrutos, C. Piñeiro, E.G. Manzanilla, N. Wuyts. (2017) "Surgical castration with pain relief affects the health and productive performance of pigs in the suckling period" *Porcine Health Management* 3:18
- Sutherland, M.A., B.L. Davis, T.A. Brooks, J.F. Coetzee. (2012) "The physiological and behavioral response of pigs castrated with and without anesthesia or analgesia" *Journal of Animal Science – Animal Growth, Physiology, and Reproduction* 90(7): 2211-2221
- Sutherland, M.A., B.L. Davis, T.A. Brooks, J.J. McGlone. (2010) "Physiology and behavior of pigs before and after castration: effects of two topical anesthetics" *Animal* 4(12): 2071-2079

- Taylor, A.A., D.M. Weary. (2000). "Vocal responses of piglets to castration: identifying procedural sources of pain." *Applied Animal Behaviour Science* 70:17-26.
- Taylor, A.A., D.M. Weary, M. Lessard, L. Braithwaite. (2001). "Behavioral responses of piglets to castration: the effect of piglet age." *Applied Animal Behavior Science* 73(1): 35-43.
- Weary, D.M., L.A. Braithwaite, D. Fraser. (1998). "Vocal response to pain in piglets." *Applied Animal Behaviour Science* 56:161-172.
- White, R.G., J.A. Deshazer, C.J. Tressler, G.M. Borchers, S. Davey, A. Waninge, A.M. Parkhurst, M.J. Milanuk, E.T. Clemens. (1995). "Vocalization and physiological response of pigs during castration with or without a local anesthetic." *Journal of Animal Science* 73:381-386.

Swine Slaughter:

- Berry, N.L., A.K. Johnson, J. Hill, S. Lonergan, L.A. Karriker, K.J. Stalder. (2012) "Loading gantry versus traditional chute for the finisher pig: Effect on welfare at the time of loading and performance measures and transport losses at the harvest facility" *Journal of Animal Science* 90(11): 4028-4036
- Brandt, P., M.D. Aaslyng. (2015) "Welfare measurements of finishing pigs on the day of slaughter: A review" *Meat Science* 103: 13-23
- Goumon, S., L. Faucitano. (2017) "Influence of loading handling and facilities on the subsequent response to pre-slaughter stress in pigs" *Livestock Science* 200: 6-13
- Grandin, T. (2001). "Solving return-to-sensibility problems after electrical stunning in commercial pork slaughter plants." *Journal of the American Veterinary Medical Association* 219(5): 608-611.
- Johnson, A.K., L.M. Gesing, M. Ellis, J.J. McGlone, E. Berg, S.M. Lonergan, R. Fitzgerald, L.A. Karriker, A. Ramirez, K.J. Stalder, A. Sapkota, R. Kephart, J.T. Selsby, L.J. Sadler, M.J. Ritter. (2013) "2011 and 2012 Early Careers Achievement Awards: Farm and pig factors affecting welfare during the marketing process" *Journal of Animal science* 91(6): 2481-2491

POULTRY AND FOWL

General:

- Animal Welfare Institute. (2010) "The Welfare of Chickens Raised for Meat." *Animal Welfare Institute*:1-6. <http://www.awionline.org/ht/a/GetDocumentAction/i/22540>
- Humane Farm Animal Care Scientific Committee. (2009) "Humane Farm Animal Care Animal Care Standards: Chickens" 1-40. <http://www.certifiedhumane.org/uploads/pdf/Standards/English/Std09.Chickens.1AD.pdf>
- Bessei, W. (2006) "Welfare of broilers: a review." *World Poultry Science Journal* 62: 455-466.
- Estevez, I. (2007) "Density Allowances for Broilers: Where to Set the Limits." *Poultry Science* 86: 1265-1272.

- Jones, T.A., C.A. Donnelly, and M.S. Dawkins. (2005). "Environmental and Management Factors Affecting the Welfare of Chickens on Commercial Farms in the United Kingdom and Denmark Stocked at Five Densities." *Poultry Science* 84: 1155-1165.
- Humphrey, T. (2006). "Are happy chickens safer chickens? Poultry welfare and disease susceptibility." *British Poultry Science* 47 (4): 379-91.
- Mench, J.A. and I.J.H. Duncan. (1998) "First North American Symposium on Poultry Welfare. Poultry Welfare in North America: Opportunities and Challenges." *Poultry Science* 77: 1763–1765.

Poultry Housing:

- Alvino, G.M., G.S. Archer, J.A. Mench. (2009) "Behavioural time budgets of broiler chickens reared in varying light intensities" *Applied Animal Behavior Science* 118: 54-61.
- Armstrong, J. (2006). "Sorting out the cage-free dilemma." *Feedstuffs FoodLink* :8.
- Blatchford, A. K.C. Klasing, H.L. Shivaprasad, P.S. Wakenell, G.S. Archer, J.A. Mench. (2009) "The effect of light intensity on the behavior, eye and leg health, and immune function of broiler chickens" *Poultry Science* 88: 20-28.
- Channing, C., B. Hughes, A.W. Walker. (2001). "Spatial distribution and behavior of laying hens housed in an alternative system." *Applied Animal Behavior Science* 72(4): 335-345.
- Davis, N.J., N.B. Prescott, C.J. Savory, and C.M. Wathes. (1999) "Preferences of growing fowls for different light intensities in relation to age, strain and behaviour." *Animal Welfare* 8: 193-203.
- Dawkins, M.S., C.A. Donnelly, and T.A. Jones. (2004) "Chicken welfare is influenced more by housing conditions than by stocking density." *Nature* 427: 342-343.
- Ekstrand, C., B. Algers, J. Svedberg. (1997) "Rearing conditions and foot-pad dermatitis in Swedish broiler chickens." *Preventive Veterinary Medicine* 31: 167-174.
- Gunnarsson, S., J. Tngvesson, L. Keeling, B. Forkman. (2000). "Rearing without early access to perches impairs the spatial skills of laying hens." *Applied Animal Behavior Science* 67(3): 217-228.
- Homidan, A.A., J.F. Robertson, and A.M. Petchey. (1998) "Effect of environmental factors on ammonia and dust production and broiler performance." *Behaviour, Welfare, Husbandry and Environment* S9-S10.
- Houldcroft, E., C. Smith, R. Mrowicki, L. Headland, S. Grieveson, T.A. Jones, M.S. Dawkins. (2008) "Welfare implications of nipple drinkers for broiler chickens" *Animal Welfare* 17: 1- 10.
- Kristensen, H.H., N.B. Precott, G.C. Perry, J. Ladewig, A.K. Ersboll, K.C. Overvad, C.M. Wathes. (2007) "The behaviour of broiler chickens in different light sources and illuminances" *Applied Animal Behaviour Science* 103: 75-89.
- Kirstensen, H., C. Wathes. (2000) "Ammonia and poultry welfare: a review." *World's Poultry Science Journal* 56(3): 235-241.
- Meluzzi, A., C. Fabbri, E. Folegatti, F. Sirri. (2008) "Effect of less intensive rearing conditions on litter characteristics, growth performance, carcass injuries and meat quality of broilers" *British Poultry Science* 49: 509-515.

- Newberry, R., R. Blair, S. Gill, and M. Knott. (1995) "Health of broilers reared under two patterns of increasing light and with access to perches." *Poultry Journal* 74(Suppl 1): 84.
- Nicol, C., A. Lindberg, A.J. Phillips, S.J. Pope, L.J. Wilkins, L.E. Green. (2001). "Influence of prior exposure to wood shavings on feather pecking, dustbathing and foraging in adult laying hens." *Applied Animal Behavior Science* 73(2): 141-155.
- Olsson, I., L. Keeling, I.J.H. Duncan. (2002). "Why do hens sham dustbathe when they have litter?" *Applied Animal Behavior Science* 76(1): 53-64.
- Patterson, P.H., E.S. Lorenz, and W.D. Weaver Jr. (1998) "Litter production and nutrients from commercial broiler chickens." *Journal of Applied Poultry Research* 7: 247-252.
- Setioko, A.R, D.J. Hetzel. (1984). "The effect of collection method and housing system on semen production and fertility of Albino drakes." *British Poultry Science* 25(2): 167-172.
- Sorensen, P., and S.C. Kestin. (1999) "The effect of photoperiod:scotoperiod on leg weakness in broiler chickens." *Poultry Science* 78:336-342.
- Teeter, R.G. *et al.* (1985). Chronic heat stress and respiratory alkalosis: occurrence and treatment in broiler chicks. *Poultry Science* 64(6):1060-1064.
- Davis, K. United Poultry Concerns: "The battery hen: her life is not for the birds." Accessed November 11, 2009. <http://www.upc-online.org/batthen.html>
- Taylor, A.A., J.F. Hurnik. (1996). "The long-term productivity of hens housed in battery cages and an aviary." *Poultry Science* 75(1): 47-51.
- Toghyani, M., A. Gheisari, M. Mehrdad, S.A. Tabeidian, M. Toghyani. (2010) "Effect of different litter material on performance and behavior of broiler chickens" *Applied Animal Behavior Science* 122: 48-52.
- Chicken Tours:
 - PennAg Industries Association: www.pennag.com/virtual_tours.htm
 - California Poultry Federation: www.cpif.org

Poultry Aggression:

- Cornetto, T., I. Estevez, W. Douglass. (2002). "Using artificial cover to reduce aggression and disturbances in domestic fowl." *Applied Animal Behavior Science* 75(4): 325-336.
- Estevez, I., R. Newberry, L.J. Keeling. (2002). "Dynamics of aggression in the domestic fowl." *Applied Animal Behavior Science* 76(4): 307-325.
- Hoffman, H.S., K.J. Boskoff, L.A. Eiserer, S.H. Klein. (1975). "Isolation-induced aggression in newly hatched ducklings." *Journal of Comparative Physiological Psychology* 89(5): 447-456.
- McAdie, T.M., L.J. Keeling, H.J. Blokhuis, R.B. Jones. (2005). "Reduction in feather pecking and improvement of feather condition with the presentation of a string device to chickens." *Applied Animal Behavior Science* 93(1/2): 67-80.

Poultry and Humans:

- Delezie, E., D. Lips, R. Lips, E. Decupere. (2006). "Is the mechanization of catching broilers a welfare improvement?" *Animal Welfare* 15: 141-147.
- Zulkifi, I., A. Siti Nor Azah. (2004). "Fear and stress reactions, and the performance of commercial broiler chickens subjected to regular pleasant and unpleasant contacts with human being." *Applied Animal Behavior Science* 88: 77-87.

Beak Trimming:

- Galtz, P.C. (2000). "Beak trimming methods-review." *Asian-Australian Journal of Animal Sciences* 13(11): 1619-1637.
- United Poultry Concerns: "Debeaking."
http://upc-online.org/merchandise/debeak_factsheet.html

Feather Pecking & Dustbathing:

- Hansen, I., B. O. Braastad. (1994). "Effect of rearing density on pecking behaviour and plumage condition of laying hens in two types of aviary." *Applied Animal Behaviour Science* 40: 263-272.
- McAdie, T.M., L.J. Keeling, H.J. Blokhuis, R.B. Jones. (2005). "Reduction in feather pecking and improvement of feather condition with the presentation of a string device to chickens." *Applied Animal Behavior Science* 93: 67-80.
- Nicol, C., A. Lindberg, A.J. Phillips, S.J. Pope, L.J. Wilkins, L.E. Green. (2001). "Influence of prior exposure to wood shavings on feather pecking, dustbathing and foraging in adult laying hens." *Applied Animal Behavior Science* 73(2): 141-155.
- Nørgaard-Nielsen, G., K. Vestergaard, H. B. Simonsen. (1993). "Effects of rearing experience and stimulus enrichment on feather damage in laying hens." *Applied Animal Behaviour Science* 38: 345-352.
- Olsson, I., L. Keeling, I.J.H. Duncan. (2002). "Why do hens sham dustbathe when they have litter?" *Applied Animal Behavior Science* 76(1): 53-64.
- Yngvesson J., L.J. Keeling, R.C. Newberry. (2004). "Individual production differences do not explain cannibalistic behavior in laying hens." *British Poultry Science* 45(4):453-462.

Poultry Breeding:

- Barboza, P.S. D.G. Jorde. (2002). "Intermittent fasting during winter and spring affects body composition and reproduction of a migratory duck." *Journal of Comparative Physiology* 172(5): 419-434.
- Bartels, T. (1995). "Breeding for distress in fowl." *Deutsche tierärztliche Wochenschrift* 102(3): 117-119.
- Bilcik, B., I. Estevez. (2005). "Impact of male-male competition and morphological traits on mating strategies and reproductive success in broiler breeders." *Applied Animal Behavior Science* 92: 307-323.
- Nageswara, A.R., V. Ramasubba Reddy, V. Ravindra Reddy. (2005). "Performance of indigenous, Khaki Campbell and their reciprocal crossbred layer ducks under different management systems." *British Poultry Science* 46(4): 424-429.
- Raud, H., J.M. Faure. (1990). "Rhythmic occurrence of sexual behavior and egg laying activity of Muscovy ducks." *British Poultry Science* 31(1): 23-32.

- Setioko, A.R., D.J. Hetzel. (1984). "The effect of collection method and housing system on semen production and fertility of Albino drakes." *British Poultry Science* 25(2): 167-172.

Production Measures/Issues:

- Bowes, V.A., *et al.* (1988). "Effect of feed restriction on feed efficiency and incidence of sudden death syndrome in broiler chickens." *Poultry Science* 67:1102-1104.
- Feddes, J.J.R., J. Emmanuel, and M.J. Zuidhof. (2002) "Broiler performance, bodyweight variance, feed and water intake, and carcass quality at different stocking densities." *Poultry Science* 81: 774-779.
- Forkman, B., S. Corr. (1996). "Influence of size and asymmetry of sexual characters in the rooster and hen on the number of eggs laid." *Applied Animal Behaviour Science* 49: 285-291.
- Hinton, A. Jr., R.J. Buhr, and K.D. Ingram. (2000) "Reduction of salmonella in the crop of broiler chickens subjected to feed withdrawal." *Poultry Science* 79: 566-70.
- Hocking, P.M., M.H. Maxwell, G.W. Robertson, M.A. Mitchell. (2002). "Welfare assessment of broiler breeders that are food restricted after peak rate of lay." *British Poultry Science* 43(1): 5-15.
- Julian, R.J., G.W. Friars, H. French, M. Quinton. (1987). "The relationship of right ventricular hypertrophy, right ventricular failure, and ascites to weight gain in broiler and roaster chickens." *Avian Diseases* 31:130-135.
- Julian, R.J. (2005). "Production and growth related disorders and other metabolic diseases of poultry – a review." *Veterinary Journal* 169(3): 350-69.
- Kestin, S.C., T.G. Knowles, A.E. Tinch, N.G. Gregory. (1992). "Prevalence of leg weakness in broiler chickens and its relationship with genotype." *The Veterinary Record* 131:190-194.
- Terzich, M., A.C. Quarles, M.A. Goodwin, and J.D. Brown. (1998) "Effect of poultry utter treatment (PLT) on death due to ascites in broilers." *Avian Diseases* 42: 385-387.
- Zulkifli, I., J. Gilbert, P. K. Liew, J. Ginsos. (2002). "The effects of regular visual contact with human beings on fear, stress, antibody and growth responses in broiler chickens." *Applied Animal Behaviour Science* 79: 103-112.
- Zulkifli, I., M.T. Che Norma, C.H. Chong, and T.C. Loh. (2000) "Heterophil to lymphocyte ratio and tonic immobility reactions to preslaughter handling in broiler chickens treated with ascorbic acid." *Poultry Science* 79: 402-406.

Transport:

- Abeyesinghe, S.M., C.M. Wathes, C.J. Nicol, J.M. Randall. (2001) "The aversion of broiler chickens to concurrent vibrational and thermal stressors." *Applied Animal Behaviour Science* 73: 199-215.
- Knierim, U., and A. Gocke. (2003) "Effect of catching broilers by hand or machine on rates of injuries and dead-on-arrivals." *Animal Welfare* 12:63–73.
- Mitchell, M.A., and P.J. Kettlewell. (1998) "Physiological stress and welfare of broiler chickens in transit: solutions not problems!" *Poultry Science* 77: 1803-1814.
- Mitchell, M.A., P.J. Kettlewell, and M.H. Maxwell. (1992) "Indicators of

physiological stress in broiler chickens during road transportation.” *Animal Welfare* 1: 91-103.

- Nijdam, E., E. Delezie, E. Lambooj, M.J. Nabuurs, E. Decuypere, and J.A. Stegeman. (2005) “Feed withdrawal of broilers before transport changes plasma hormone and metabolite concentrations.” *Poultry Science* 84:1164-1152.
- Vecerek, V., S. Grbalova, E. Voslarova, B. Janackova, M. Malena. (2006) “Effects of travel distance and the season of the year on death rates of broilers transported to poultry processing plants.” *Poultry Science* 85:1881-1884.
- Whiting, T.L., M.E. Drain and D.P. Rasali. (2007) “Warm weather transport of broiler chickens in Manitoba. II. Truck management factors associated with death loss in transit to slaughter.” *Canada Veterinary Journal* 48: 148-154.
- Zhang, L., H.Y. Yue, H.J. Zhang, L. Xu, S.G. Wu, H.J. Yan, Y.S. Gong, and G.H. Qi. (2009) “Transport stress in broilers: I. Blood metabolism, glycolytic potential, and meat quality.” *Poultry Science* 88: 2033 - 2041.

Slaughter:

- Allain, V., L. Mirabito, C. Arnould, M. Colas, S. Le Bouquin, C. Lupo, V. Michel. (2009) “Skin lesions in broiler chickens measured at the slaughterhouse: relationships between lesions and between their prevalence and rearing factors.” *British Poultry Science* 50: 407-417.
- Barnett, J.L., G.M. Cronin, P.C. Scott. (2007) “Behavioural responses of poultry during kosher slaughter and their implications for the birds’ welfare.” *Veterinary Record* 160:45-49.
- Bedanova, I., E. Voslarova, P. Chloupek, V. Pistekova, P. Suchy, J. Blahova, R. Dobsikova, and V. Vecerek. (2007) “Stress in broilers resulting from shackling.”
- Byrd, J.A., B.M. Hargis, D.J. Caldwell, R.H. Bailey, K.L. Herron, J.L. McReynolds, R.L. Brewer, R.C. Anderson, K.M. Bischoff, T.R. Callaway, and L.F. Kubena. (2001) “Effect of lactic acid administration in the drinking water during preslaughter feed withdrawal on salmonella and campylobacter contamination of broilers.” *Poultry Science* 80:278–283.
- Delezie, E., Q. Swennen, J. Buyse and E. Decuypere. (2007) “The effect of feed withdrawal and crating density in transit on metabolism and meat quality of broilers at slaughter weight.” *Poultry Science* 86:1414-1423.
- Gentle, M.J., V.L. Tilston. (2000). “Nociceptors in the legs of poultry: implications for potential pain in preslaughter shackling.” *Animal Welfare* 9:227-236.
- Gregory, N.G. and J.C. Bell. (1987) “Duration of wing flapping in chickens shackled before slaughter.” *Veterinary Record* 121: 567-569.
- Gregory, N.G. and S.B. Wotton (1994) “Effect of electrical stunning current on the duration of insensibility in hens.” *British Poultry Science* 35: 463-465.
- Haslam, S.M., T.G. Knowles, S.N. Brown, L.J. Wilkins, S.C. Kestin, P.D. Warriss, C.J. Nicol. (2010) “Prevalence and factors associated with it, of birds dead on arrival at the slaughterhouse and other rejection conditions in broiler chickens.” *British Poultry Science* 49: 685-696.

- Hindle, V.A., E. Lambooji, H.G.M. Reimert, L.D. Workel, M.A. Gerritzen. (2010) "Animal welfare concerns during the use of the water bath for stunning broilers, hens and ducks." *Poultry Science* 89: 401-412.
- Jones, B.R., D.G. Satterlee, G.G. Cadd. (1998) "Struggling responses of broiler chickens shackled in groups on a moving line: effects of light intensity, hoods, and 'curtains'." *Applied Animal Behaviour Science* 58: 341–352.
- Jones, E.K.M., C.M. Wathes, and A.J.F. Webster. (2005) "Avoidance of atmospheric ammonia by domestic fowl and the effect of early experience." *Applied Animal Behaviour Science* 90: 293–308.
- McNeal, W.D., D.L. Fletcher, and R.J. Buhr. (2003) "Effects of stunning and decapitation on broiler activity during bleeding, blood loss, carcass, and breast meat quality." *Poultry Science*, 82:163-168.
- Raj, A.B.M. (2003) "A critical appraisal of electrical stunning in chickens." *World's Poultry Science Journal* 59: 89-98.
- RAJ, M. (1998) "Welfare during stunning and slaughter of poultry." *Poultry Science* 77: 1815-1819.
- Sparrey, J.M., and P.J. Kettlewell. (1994) "Shackling of Poultry: is it a welfare problem?" *World's Poultry Science Journal* 50: 167-176.
- E. M. C. Terlouw, C. Arnould, B. Auperin, C. Berri, E. Le Bihan-Duval, V. Deiss, F. Lefèvre, B. J. Lensink and L. Mounier (2008) "Pre-slaughter conditions, animal stress and welfare: current status and possible future research." *Animal* 2: 1501-1517.
- Nijdam, E., E. Delezie, E. Lambooji, M.J. Nabuurs, E. Decuypere, J.A. Stegeman. (2005) "Comparison of bruises and mortality, stress parameters, and meat quality in manually and mechanically caught broilers." *Poultry Science* 84:467-477.

Duck Behavior:

- Deviche, P. (1979). "Effects of testosterone propionate and pituitary-adrenal hormones on the social behavior of male ducklings (*Anas platyrhynchos* L.) In two test situations." *Zeitschrift für Tierpsychologie* 49(1): 77-86.
- Eiserer, L.A., H.S. Hoffman. (1973). "Priming of ducklings' responses by presenting an imprinted stimulus." *Journal of Comparative Physiological Psychology* 82(3): 345-359.
- Lee, S.R., Y.P. Lee, B.J. Chen. (1992). "Diurnal behavior patterns of cage-reared brown Tsaiya ducks (*Anas platyrhynchos* var. *domestica*)." *Applied Animal Behavior Science* 34(3): 255-262.

Turkey Behavior:

- Crowe, R., J.M. Forbes. (1999.) "Effects of four different environmental enrichment treatments on pecking behavior in turkeys." *British Poultry Science* 40: 11-12.
- Hocking, P.M., S. R. Duff. (1989). "Musculo-skeletal lesions in adult male broiler breeder fowls and their relationships with body weight and fertility at 60 weeks of age." *British Poultry Science* 30(4): 777-784.
- Hocking, P.M., M.H. Maxwell, M.A. Mitchell. (1999). "Welfare of food restricted male and female turkeys." *British Poultry Science* 40: 19-29.

- Martrenchar, A., D. Huonnic, J.P. Cotte, E. Boilletot, J.P. Morisse. (1999). "Influence of stocking density on behavioral, health and productivity traits in turkeys in large flocks." *British Poultry Science* 40: 323-331.
- Martrenchar, A., D. Huonnic, J.P. Cotte. (2001). "Influence of environmental enrichment on injurious pecking and perching behavior in young turkeys." *British Poultry Science* 42: 161-170.
- Mayne, R.K., P.M. Hocking, R.W. Else. (2006). "Foot pad dermatitis develops at an early age in commercial turkeys." *British Poultry Science* 47: 36-42.
- Mench, J.A. (2002). "Broiler breeders: Feed restriction and welfare." *World's Poultry Science Journal* 58: 23-29.
- Sherwin, C.M., A. Kelland. (1998). "Time-budgets, comfort behaviors and injurious pecking of turkeys housed in pairs." *British Poultry Science* 39: 325-332.
- Wylie, L.M., G.W. Robertson, M.G. MacLeod, P.M. Hocking. (2001). "Effects of ambient temperature and restricted feeding on the growth of feathers in growing turkeys." *British Poultry Science* 42: 449-455.

Poultry Systems:

- Dayen, M., H.H. Fiedler. (1990). "Intensive raising of Muscovy ducks." *Deutsche tierärztliche Wochenschrift* 97(4): 149-151.
- Kahler, S.C. (2005). "Farm visits influence foie gras vote." *Journal of the American Veterinary Medical Association* 227(5): 688-689.

DAIRY

Dairy Cow Behavior:

- Munksgaard, L., A.M. de Passille, J. Rushen, M.S. Herskin, A.M. Kristensen. (2001). "Dairy cows' fear of people: social learning, milk yield, and behavior at milking." *Applied Animal Behavior Science* 73(1): 15-26.
- Munksgaard, L., M.B. Jensen, L.J. Pedersen, S.W. Hansen, L. Matthews. (2005). "Quantifying behavioral priorities- effects of time constraints on behavior of dairy cows, *Bos taurus*." *Applied Animal Behavior Science* 92: 3-14.
- Rushen, J., L. Munksgaard, P.G. Marnet, A.M. de Passille. (2001). "Human contact and the effects of acute stress on cows at milking." *Applied Animal Behavior Science* 73(1): 1-14.
- Sandem, A.I., B.O. Braastad. (2005). "Effects of cow-calf separation on visible eye white and behavior in dairy cows- a brief report." *Applied Animal Behavior Science* 95: 233-239.
- Senn, M., L.B. Dürst, A. Kaufmann, W. Langhans. (1995). "Feeding patterns of lactating cows of three different breeds fed hay, corn silage, and grass silage." *Physiology & Behavior* 58: 229-236.
- Tom, E., I.J.H, Duncan, T.M. Widowski, K.G. Bateman, K.E. Leslie. (2002). "Effects of tail docking using a rubber ring with or without anesthetic on behavior and production of lactating cows." *Journal of Dairy Science* 85(9): 2257-2265.

Dairy Cow Milking Issues:

- Barkema, H.W., J.D. Van der Ploeg, Y.H. Schukken, T.J.G.M. Lam, G. Benedictus, A. Brand. (1999). "Management style and its association with bulk milk somatic cell count and incidence rate of clinical mastitis." *Journal of Dairy Science* 82: 1655-1663.
- Beerda B., J.E. Kornalijnslijper, J.T.N. van der Werf, E.N. Noordhuizen-Stassen, H. Hopster. (2004). "Effects of milk production capacity and metabolic status on HPA function in early postpartum dairy cows." *Journal of Dairy Science* 87: 2094–2102.
- Einarson, M.S., J.C. Plaizier, K.M. Wittenberg. (2004). "Effects of barley silage chop length on productivity and rumen conditions of lactating dairy cows fed a total mixed ration." *Journal of Dairy Science* 87: 2987-2996.
- Green, L.E., V.J. Hedges, Y.H. Schukken, R.W. Blowey, A.J. Packington. (2002). "The impact of clinical lameness on the milk yield of dairy cows." *Journal of Dairy Science* 85: 2250–2256.
- Krohn, C. (2001). "Effects of different suckling systems on milk production, udder health, reproduction, calf growth and some behavioural aspects in high producing dairy cows - a review." *Applied Animal Behavior Science* 72(3): 271-280.
- Liesegang, A., R. Eicher, M.L. Sassi, J. Risteli, M. Kraenzlin, J.L. Riond, M. Wanner. (2000). "Biochemical markers of bone formation and resorption around parturition and during lactation in dairy cows with high and low standard milk yields." *Journal of Dairy Science* 83: 1773-1781.
- Munksgaard, L., A.M. de Passille, J. Rushen, M.S. Herskin, A.M. Kristensen. (2001). "Dairy cows' fear of people: social learning, milk yield, and behavior at milking." *Applied Animal Behavior Science* 73(1): 15-26.
- Rushen, J., L. Munksgaard, P.G. Marnet, A.M. de Passille. (2001). "Human contact and the effects of acute stress on cows at milking." *Applied Animal Behavior Science* 73(1): 1-14.
- Schreiner, D.A., P.L. Ruegg. (2002). "Effects of tail docking on milk quality and cow cleanliness." *Journal of Dairy Science* 85(10): 2503-2511.
- Tom, E., I.J.H. Duncan, T.M. Widowski, K.G. Bateman, K.E. Leslie. (2002). "Effects of tail docking using a rubber ring with or without anesthetic on behavior and production of lactating cows." *Journal of Dairy Science* 85(9): 2257-2265.
- Uetake, K., J.F. Hurnik, L. Johnson. (1997). "Effect of music on voluntary approach of dairy cows to an automatic milking system." *Applied Animal Behavior Science* 53(3): 175-182.

Dairy Cow Tail Docking:

- Eicher, S.D., J.W. Dailey. (2002). "Indicators of acute pain and fly avoidance behaviors in Holstein calves following tail-docking." *Journal of Dairy Science* 85(11): 2850-2858.
- Eicher, S.D., J.L. Morrow-Tesch, J.L. Albright, R.E. Williams. (2001). "Tail-docking alters fly numbers, fly-avoidance behaviors, and cleanliness, but not physiological measures." *Journal of Dairy Science* 84(8): 1822-1828.
- Schreiner, D.A., P.L. Ruegg. (2002). "Effects of tail docking on milk quality and cow cleanliness." *Journal of Dairy Science* 85(10): 2503-2511.
- Schreiner, D.A., P.L. Ruegg. (2002). "Responses to tail docking in calves and heifers." *Journal of Dairy Science* 85(12): 3287-3296.

- Stull, C., M.A. Payne, S.L. Berry, P.J. Hullinger. (2002). "Evaluation of the scientific justification for tail docking in dairy cattle." *Journal of the American Veterinary Medical Association* 220(9): 1298-1303.
- Tom, E., I.J.H. Duncan, T.M. Widowski, K.G. Bateman, K.E. Leslie. (2002). "Effects of tail docking using a rubber ring with or without anesthetic on behavior and production of lactating cows." *Journal of Dairy Science* 85(9): 2257-2265.

Dairy Cow Housing:

- Dahl, G.E, D. Petitclerc. (2003). "Management of photoperiod in the dairy herd for improved production and health." *Journal of Animal Science* 81:11-17.
- Halachmi, I. (2004). "Designing the automatic milking farm in a hot climate." *Journal of Dairy Science* 87(3): 764-775.
- Manninen, E., A.M. de Passille, J. Rushen, M. Norrington, H. Salomiemi. (2002). "Preferences of dairy cows kept in unheated buildings for different kind of cubicle flooring." *Applied Animal Behavior Science* 75(4): 281-292.
- Tuytens, F.A.M. (2005). "The importance of straw for pig and cattle welfare: a review." *Applied Animal Behavior Science* 92(3):261-282.

Dairy Cow Lameness:

- Green, L.E., V.J. Hedges, Y.H. Schukken, R.W. Blowey, A.J. Packington. (2002). "The impact of clinical lameness on the milk yield of dairy cows." *Journal of Dairy Science* 85:2250–2256.

Calf General:

- Eicher, S.D., J.L. Morrill, F. Blecha. (1994). "Vitamin concentration and function of leukocytes from dairy calves supplemented with vitamin A, vitamin E, and beta-carotene in vitro." *Journal of Dairy Science*. 77: 560-565.
- Sandem, A.I., B.O. Braastad. (2005). "Effects of cow-calf separation on visible eye white and behavior in dairy cows- a brief report." *Applied Animal Behavior Science* 95: 233-239.

Calf Suckling Behavior:

- De Passillé, A.M. (2001). "Sucking motivation and related problems in calves." *Applied Animal Behavior Science* 72(3): 175-187.
- Flower, F., D. Weary. (2003). "The effects of early separation on the dairy cow and calf." *Animal Welfare* 12: 339-348.
- Hammell, K.L., J.H.M. Metz, P. Mekking. (1988). "Sucking behavior of dairy calves fed milk ad libitum by bucket or teat." *Applied Animal Behavior Science* 20: 275-285.
- Jensen, P., G. Stangel, B. Algers. (1991). "Nursing and suckling behavior of semi-naturally kept pigs during the first 10 days postpartum." *Applied Animal Behaviour Science* 31:195-209.
- Keil, N., W. Langhans. (2001). "The development of intersucking in dairy calves around weaning." *Applied Animal Behavior Science* 72(4): 295-308.

Calf Dehorning:

- Faulkner, P.M., D.M. Weary. (2000). "Reducing pain after dehorning in dairy calves." *Journal of Dairy Science* 83: 2037-2041.

VEAL

- Bokkers, E.A.M., P. Koene. (2001). "Activity, oral behavior and slaughter data as welfare indicators in veal calves: a comparison of three housing systems." *Applied Animal Behavior Science* 75:1-15.
- Mattiello, S., E. Canali, V. Ferrante, M. Caniatti, F. Gottardo, G. Cozzi, I. Andrighetto, M. Verga. (2002). "The provision of solid feeds to veal calves: II. Behavior, physiology, and abomasal damage." *Journal of Animal Science* 80: 367-375.
- Neindre, P.L. (1993). "Evaluating housing systems for veal calves." *Journal of Animal Science* 71: 1345-1354.
- Xiccato, G., A. Trocino, P.I. Queaque, A. Sartori, A. Carazzolo. (2002). "Rearing veal calves with respect to animal welfare: effects of group housing and solid feed supplementation on growth performance and meat quality." *Livestock Production Science* 75(3): 269-280.

BEEF CATTLE

General:

- Galyean, M. L., L. J. Perino, and G. C. Duff. (1999). "Interaction of cattle health/immunity and nutrition." *Journal of Animal Science* 77:1120-1134.
- Humane Farm Animal Care Scientific Committee. 2004. "Humane Farm Animal care Animal Care Standards: Beef Cattle." *Humane Farm Animal Care*: 1-27.
<http://www.certifiedhumane.org/uploads/pdf/Standards/English/Microsoft%20Word%20-%20Std04.Cattle.3A.pdf>

Beef Housing:

- Rousing, T., B. Ibsen, J.T. Sorensen. (2005). "A note on: On-farm testing of the behavioral response of group-housed calves towards humans; test-retest and inter-observer reliability and effect of familiarity of test person." *Applied Animal Behavior Science* 94: 237-243.
- Tuytens, F.A.M. (2005). "The importance of straw for pig and cattle welfare: a review." *Applied Animal Behavior Science* 92:261-282.

Castration and Tail Docking:

- Robertson, I., *et al.* (1994). "Effect of different methods of castration on behavior and plasma cortisol in calves of three ages." *Research in Veterinary Science* 56(1): 8-17.
- Ting, S. (2003). "Effect of ketoprofen, lidocaine local anesthesia, and combined xylazine and lidocaine caudal epidural anesthesia during castration of beef cattle on stress responses, immunity, growth, and behavior." *Journal of Animal Science* 81: 1281-1293.

- Tom, E., J. Rushen, I.J.H. Duncan, A.M. de Passille. (2002). "Behavioral, health and cortisol responses of young calves to tail docking using a rubber ring or docking iron." *Canadian Journal of Animal Science* 82(1): 1-9.

Beef Calf Weaning:

- Haley, D.B., D.W. Bailey, and J.M. Stookey. (2005). "The effects of weaning beef calves in two stages on their behavior and growth rates." *Journal of Animal Science* 83:2205-2214.
- Hickey, M.C., M. Drennan, and B. Earley. (2003). "The effect of abrupt weaning of suckler calves on the plasma concentrations of cortisol, catecholamines, leukocytes, acute phase proteins and in vitro interferon-gamma production." *Journal of Animal Science* 81:2847-2855.
- Lay Jr, D.C., T.H. Friend, R.D. Randel, C.L. Bowers, K.K. Grissom, D.A. Neuendorff, O.C. Jenkins. (1998). "Effects of restricted nursing on physiological and behavioral reactions of Brahman calves to subsequent restraint and weaning." *Applied Animal Behavior Science* 56:109-199.
- Lefcourt, A.M., and T.H. Elsasser. (1995). "Adrenal responses of Angus x Hereford cattle to the stress of weaning." *Journal of Animal Science* 73:2669-2676.
- Mackenzie, A.M., M. Drennan, T.G. Rowan, J.B. Dixon, S.D. Carter. (1997). "Effect of transportation and weaning on humoral immune responses of calves." *Research in Veterinary Science* 63(3):227-230.
- Pollock, J.M., T.G. Rowan, J.B. Dixon, S.D. Carter, D. Spiller, H. Warenaus. (1993). "Alteration of cellular immune responses by nutrition and weaning in calves." *Research in Veterinary Science* 55(3):298-305.
- Price, E.O., J.E. Harris, R.E. Borgwardt, M.L. Sween, J.M. Conner. (2003). "Fenceline contact of beef calves with their dams at weaning reduces the negative effects of separation on behavior and growth rate." *Journal of Animal Science* 81:116-121.
- Reinhardt, V., A. Reinhardt. (1981). "Natural sucking performance and age of weaning in zebu cattle (*Bos indicus*)." *Journal of Agricultural Science*. 96:309-312.
- Veissier, I., P. Le Neindre. (1989). "Weaning in calves: Its effects on social organization." *Applied Animal Behavior Science* 24(1):43-54.
- Veissier, I., D. Lamy, P. Le Neindre. (1990). Social behaviour in domestic beef cattle when yearling calves are left with the cows for the next calving. *Applied Animal Behavior Science* 27(3):193-200.

Cattle Slaughter:

- Grandin, T. (2000). "Effect of animal welfare audits of slaughter plants by a major fast food company on cattle handling and stunning practices." *Journal of the American Veterinary Medical Association* 216(6): 848-851.
- Grandin, T. (2001). "Cattle vocalizations are associated with handling and equipment problems at beef slaughter plants." *Applied Animal Behavior Science* 71(3): 191-201.
- Grandin, T. (2001). "Welfare of cattle during slaughter and the prevention of nonambulatory (downer) cattle." *Journal of the American Veterinary Medical Association* 219(10): 1377-1382.

Cattle Handling and Transport:

- Grandin, T. (1993). "Teaching Principles of Behavior and Equipment Design for Handling Livestock." *Journal of Animal Science* 71:1065-1070.
- Grandin, T. (1997). "Assessment of Stress During Handling and Transport." *Journal of Animal Science* 75:249-257.
- Maria, G.A., M. Villarroel, G. Chacon, G. Gebresenbet. (2004). "Scoring system for evaluating the stress to cattle of commercial loading and unloading." *The Veterinary Record* 154:818-821.
- Swanson J.C., J. Morrow-Tesch. (2001). "Cattle transport: Historical, research, and future perspectives." *Journal of Animal Science* 79(E. Suppl.):E102–E109.

SHEEP

Sheep and Goats:

- Dwyer, C.M., H.L.I. Bornett. (2004). "Chronic stress in sheep: assessment tools and their use in different management conditions." *Animal Welfare* 13(3):293-304.
- Dwyer, C., A. Lawrence. (2005). "A review of the behavioral and physiological adaptations of hill and lowland breeds of sheep that favor lamb survival." *Applied Animal Behavior Science* 92(3): 235-260.
- Hafez, E.S.E., R.B. Cairns, *et al.* (1969). "The behaviour of sheep and goats." In: Hafez E.S.E. Editors. *Behaviour of Domestic Animals*. London: Bailliere Tynndall and Cox p. 296-348.
- Gonyou, H. (2003). "Sheep and Goats." South Dakota State University Extension and Research <http://ars.sdstate.edu/animaliss/sheepgoat.html>.
- Neary, M. (1992). "Management of ewes and lambs at weaning." Purdue University Extension <http://ag.ansc.purdue.edu/sheep/articles/manewes.html>.
- Thamsborg, S.M., R.J. Jorgensen, H. Ranvig, P. Bartlett, P.J. Waller, P. Nansen. (1998). "The performance of grazing sheep in relation to stocking rate and exposure to nematode infections." *Livestock Production Science* 53(3):265-277.
- Wemelsfelder, F., M. Farish. (2004). "Qualitative categories for the interpretation of sheep welfare: a review." *Animal Welfare* 13(3):261-268.

Tail Docking/Castration of Lambs:

- Archer, N., A. Johnston, M. Khalid. (2004). "Differences in the acute pain responses of two breeds of lamb following castration and tail docking with the rubber ring method." *Animal Welfare* 13(2): 135-141.
- Graham, M.J., J.E. Kent, V. Molony. (2002). "The influence of the site of application on the behavioral responses of lambs to tail docking by rubber ring." *Veterinary Journal* 164(3): 240-243.
- Grant, C. (2004). "Behavioral responses of lambs to common painful husbandry procedures." *Applied Animal Behavior Science* 87:255-273.
- Landa, L. (2003). "The effect of milk suckling from the dam or glucose administration on the behavioral responses to tail docking in lambs." *Acta Veterinaria Brno* 72(2): 175-182.

- Mellor, D., K.J. Stafford, S.E. Todd, T.E. Lowe, N.G. Gregory, R.A. Bruce, R.N. Ward. (2002). "A comparison of catecholamine and cortisol responses of young lambs and valves to painful husbandry procedures." *Australian Veterinary Journal* 80(4): 228-233.
- Molony, V., J.E. Kent, I. McKendrick. (2002). "Validation of a method for assessment of an acute pain in lambs." *Applied Animal Behavior Science* 76(3): 215-238.
- Peers, A., D.J. Mellor, E.M. Wintour, M. Dodic. (2002). "Blood pressure, heart rate, hormonal and other acute responses to rubber-ring castration and tail docking of lambs." *New Zealand Veterinary Journal* 50(2): 56-62.

Sheep Social Behavior:

- Ligout, S., R. Porter. (2004). "Effect of maternal presence on the development of social relationships among lambs." *Applied Animal Behavior Science* 88: 47-59.
- Neary, M. (1992). "Management of ewes and lambs at weaning." Purdue University Extension <http://ag.ansc.purdue.edu/sheep/articles/manewes.html>.

GOATS

Goats:

- Gonyou, H. (2003). "Sheep and Goats." South Dakota State University Extension and Research <http://ars.sdstate.edu/animaliss/sheepgoat.html>
- Hetherington L. (1992). "All About Goats." Ipswich: Farming Press Books.
- Muir, J. (2009). "Forages." Texas A&M AgriLIFE. The Texas A&M University System-Research & Extension Center. 21 Jan., 2009. http://stephenville.tamu.edu/~jmuir/SARE/north_central.html.

Goat Natural Behavior:

- Addison, W.E., E. Baker. (1982). "Agonistic behavior and social organization in a herd of goats as affected by the introduction of non-members." *Applied Animal Ethology* 8: 527-535.
- Andersen I. L., K.E. Boe. (2007). "Resting pattern and social interactions in goats-- The impact of size and organization of lying space." *Applied Animal Behaviour Science* 108:89-103.
- Elgar, M. (1989). "Predator vigilance and group size in mammals and birds: a critical review of the empirical literature." *Biological Review* 64(1): 13-33.
- Fernandes, M., K. Resende, L. Tedeschi, J. Fernandes Jr., H. Silva, G. Carstens, T. Berchielli, I. Teixeira, L. Akinage. (2007). "Energy and protein requirements for maintenance and growth of Boer crossbred kids". *Journal of Animal Science* 85: 1014-1023.
- Hafez, E.S.E., R.B. Cairns, *et al.* (1969). "The behaviour of sheep and goats." In: Hafez E.S.E.(Ed), *Behaviour of Domestic Animals*. Bailliere Tynndall and Cox, London, pp. 296-348.
- Husband, T.P., P.B. Davies. (1984). "Ecology and behavior of the *Cretan agrimi*." *Canadian Journal of Zoology*. 62(3): 411-420.
- O'Brien, P.H. (1984). "Feral goat home range: Influence of social class and environmental variables." *Applied Animal Behaviour Science* 12(4): 373-385.

- O'Brien, P.H. (1984). "Leavers and stayers: Maternal post-partum strategies in feral goats." *Applied Animal Behaviour Science* 12(3): 233-243.
- O'Brien, P.H. (1988). "Feral goat social organization: A review and comparative analysis." *Applied Animal Behaviour Science* 21(3): 209-221.
- Orgeur, P., P. Mimouni, J.P. Signoret. (1990). "The influence of rearing conditions on the social relationships of young male goats (*Capra hircus*)." *Applied Animal Behaviour Science* 27: 105-113.
- Shackleton, D.M., C.C. Shank. (1984). "A review of the social behavior of feral and wild sheep and goats." *Journal of Animal Science* 58: 500-509.
- Shank, C.C. (1972). "Some aspects of social behaviour in a population of feral goats (*Capra hircus* L.)." *Zeitschrift fur Tierpsychologie*. 30: 488-528.
- Smelser, R. E. (1991). "American pygmy goat origins and management." *Applied Animal Behaviour Science* 29: 506.

Goat Dominance/Hierarchy:

- Alvarez, L., G. B. Martin, F. Galindo, L. A. Zarco. (2003). "Social dominance of female goats affects their response to the male effect." *Applied Animal Behaviour Science* 84(2): 119-126.
- Barroso, F.G., C.L. Alados, J. Boza. (2000.) "Social hierarchy in the domestic goat: effect on food habits and production." *Applied Animal Behaviour Science* 69(1): 35-53.
- Cote, S.D. (2000). "Dominance hierarchies in female goats: stability, aggressiveness and determinants of rank." *Behaviour* 137(11): 1541–1566.
- Dimmick, R.W., M.R. Pelton. (1996). Criteria of sex and age. In T. A. Bookhout (Ed.), *Research and management techniques for wildlife and habitats*, pp. 169-214. Bethesda MD: The Wildlife Society.
- Escos, J., C. L. Alados, J. Boza. (1993). "Leadership in a domestic goat herd." *Applied Animal Behaviour Science* 38(1): 41-47.
- Fournier, F., M. Festa-Bianchet. (1995). "Social dominance in adult female mountain goats." *Animal Behaviour* 49: 1449-1459.
- Pretorius, P.S. (1970). Effect of aggressive behaviour on production and reproduction in the angora goat (*Capra hircus Angoraensis*). *Agroanimalia*, 2:161-164.
- Ross, S., J.P. Scott. (1949). "Relationship between dominance and control of movement in goats." *J.comp.physiol.Psychol* 42(2):75-80.
- Schino, G. (1998). "Reconciliation in domestic goats." *Behaviour* 135: 343-356.
- Tölü, C., T. Savaş. (2007). "A brief report on intra-species aggressive biting in a goat herd." *Applied Animal Behaviour Science* 102: 124-129.
- Ungerfeld, R., O. Correa. (2006). "Social dominance of female dairy goats influences the dynamics of gastrointestinal parasite eggs" *Applied Animal Behaviour Science* 105: 249-253.

Goat Feeding:

- Abdel-Moneim, A. Y., M. S. Abd-Alla. (1999). "Feed preference by Baladi goats." *Applied Animal Behaviour Science* 65: 63-72.
- Aoyama M., H. Dohi, S. Shioya, Y. Takeuchi, Y. Mori, T. Okubo. (1994). "Feeding-deterrent substance in cattle feces: its effects on ingestive behavior in goats." *Applied Animal Behaviour Science* 40: 253-262.
- Biquand, S., V. Biquand-Guyot. (1992). "The influence of peers, lineage and environment on food selection of the criollo goat (*Capra hircus*)." *Applied Animal Behaviour Science* 34(3): 231-245.
- Brindley, E. L., D. J. Bullock, F. Maisels. (1989). "Effects of rain and fly harassment on the feeding behaviour of free-ranging feral goats." *Applied Animal Behaviour Science* 24(1): 31-41.
- Dumont, B., M. Meuret, M. Proudhon. (1995). "Direct observation of biting for studying grazing behavior of goats and llamas on garrigue rangelands." *Small Ruminant Research* 16(1): 27-35.
- Fernades, M., et al. (2007). "Energy and protein requirements for maintenance and growth of Boer crossbred kids". *Journal of Animal Science* 85: 1014-1023.
- Flint, M., P. Murray. (2001). "Lot-fed goats – the advantages of using an enriched environment". *Australian Journal of Experimental Agriculture* 41(4): 473-476.
- Ganskopp, D., R. Cruz, B. Fajemisin. (1997). "Relationships among variables indexing selective grazing behavior of goats." *Applied Animal Behaviour Science* 51: 75-85.
- Ganskopp, D. (1995). "Free-ranging angora goats: left- or right-handed tendencies while grazing?" *Applied Animal Behaviour Science* 43(2): 141-146.
- Greaves, L. A., M. E. Wedderburn. (1995). "Comparison of the behaviour of goats and sheep on an eroded hill pasture." *Applied Animal Behaviour Science* 42(3): 207-216.
- Hosoi, H., D. M. Swift, L. R. Rittenhouse, R. W. Richards. (1995). "Comparative foraging strategies of sheep and goats in a T-maze apparatus." *Applied Animal Behaviour Science* 44(1): 37-45.
- Knubel, B.F.R., K.E. Panter, F.D. Provenza. (2004). "Pregnancy in goats does not influence intake of novel or familiar foods with or without toxins." *Applied Animal Behaviour Science* 85: 293-305.
- Loretz, C., B. Wechsler, R. Hauser, P. Rusch. (2004). "A comparison of space requirements of horned and hornless goats at the feed barrier and in the lying area." *Applied Animal Behaviour Science* 87: 275-283.
- Mellado, M., A. Rodriguez, J.A. Villarreal, R. Lopez. (2004). "Height to withers and abdominal circumference effects on diets of grazing goats." *Applied Animal Behaviour Science* 88: 263-274.
- Meuret, M. (1996). "Controlling intake of goats on rough grazings." *Applied Animal Behaviour Science* 49(1): 103.
- Orihuela, A., J.J. Solano. (1999). "Grazing and browsing times of goats with three levels of herbage allowance." *Applied Animal Behaviour Science* 61(4): 335-339.

- Ortega-Reyes, L., F.D. Provenza. (1993). "Amount of experience and age affect the development of foraging skills of goats browsing blackbrush (*Coleogyne ramosissima*)." *Applied Animal Behaviour Science* 36: 169-183.
- Perevolotsky, A., S. Landau, D. Kababia, E.D. Ungar. (1998). "Diet selection in dairy goats grazing woody Mediterranean rangeland." *Applied Animal Behaviour Science*: 57: 117-131.
- Ricardi, C., A. Shimada. (1992). "A note on diet selection by goats on a semi-arid temperate rangeland throughout the year." *Applied Animal Behaviour Science* 33: 239-247.
- Rossi, R., E. Del Prete, J. Rokitzky, E. Scharrer. (1999). "Circadian drinking during ad libitum and restricted feeding in pygmy goats." *Applied Animal Behaviour Science* 61: 253-261.
- Solanki, G.S. (1994). "Feeding habits and grazing behavior of goats in a semi-arid region of India." *Small Ruminant Research* 14(1): 39-43.
- *Texas Goat Handbook*. Goat Feeding Program.
http://www.texasgoat.com/Goat_Handbook/Goat_Feeding_Program.html

Goat Mother-Kid:

- Addae, P.C., E.K. Awotwi, K. Oppong-Anane, E.O.K. Oddoye. (2000). "Behavioural interactions between West African dwarf nanny goats and their single-born kids during the first 48 hours post-partum." *Applied Animal Behaviour Science* 67: 77-88.
- Allan, C.J., P.J. Holst and G.N. Hinch. (1991). Behaviour of parturient Australian bush goats. I. Doe behavior and kid vigor, *Applied Animal Behaviour Science*, 32(1): 55-64.
- Allan, C.J., G.N. Hinch, P.J. Holst. (1991). "Behaviour of parturient Australian bush goats. II. Spatial relationships and activity patterns." *Applied Animal Behaviour Science* 32(1): 65-74.
- Awotwi, E.K., K. Oppong-Anane, P.C. Addae, E.O.K. Oddoye. (2000). "Behavioural interactions between West African dwarf nanny goats and their twin-born kids during the first 48 h post-partum." *Applied Animal Behaviour Science* 68(4): 281-291.
- Bergamasco, L., et al. (2005). "Effects of brief maternal separation in kids on neurohormonal and electroencephalographic parameters." *Applied Animal Behaviour Science* 93: 39-52.
- Bordi, A., et al. (1994). "Postpartum development of the mother-young relationship in goats." *Applied Animal Behaviour Science* 42(2): 145-152.
- Bungo, T., et al. (1998). "Relationship between nursing and suckling behaviour in Tokara native goats." *Applied Animal Behaviour Science* 59(4): 357-362.
- Delgadillo, J.A., P. Poindron, D. Krehbiel, G. Duarte, E. Rosales. (1997). "Nursing, suckling and postpartum anoestrus of creole goats kidding in January in subtropical Mexico." *Applied Animal Behaviour Science* 55: 91-101.
- Lickliter, R.E. (1987). "Activity patterns and companion preferences of domestic goat kids." *Applied Animal Behaviour Science* 19: 137-145.
- Lickliter, R.E. (1985). "Behavior associated with parturition in the domestic goat." *Applied Animal Behaviour Science* 13(4): 335-345.

- Lickliter, R.E. (1984). "Mother-infant spatial relationships in domestic goats." *Applied Animal Behaviour Science* 13: 93-100.
- Lickliter, R.E. (1984). "Hiding behavior in domestic goat kids." *Applied Animal Behaviour Science* 12(3): 245-251.
- Lickliter, R.E., J.R. Heron. (1984). "Recognition of mother by newborn goats." *Applied Animal Behaviour Science* 12: 187-192.
- Ramirez, A., A. Quiles, M. Hevia, F. Sotillo. (1995). Behavior of the Murciano-Granadina goat in the hour before parturition. " *Applied Animal Behaviour Science* 44(1): 29-35.
- Ramirez, A., A. Quiles, M. Hevia, F. Sotillo, M.C. Ramirez. (1996). "Effects of immediate and early post-partum separation on maintenance of maternal responsiveness in parturient multiparous goats." *Applied Animal Behaviour Science* 48: 215-224.
- Ruiz-Miranda, C.R. (1993). "Use of pelage pigmentation in the recognition of mothers in a group by 2- to 4-month-old domestic goat kids." *Applied Animal Behaviour Science* 36(4): 317-326.
- Ruiz-Miranda, C.R., M. Callard. (1992). "Effects of the presence of the mother on responses of domestic goat kids (*Capra hircus*) to novel inanimate objects and humans." *Applied Animal Behaviour Science* 33: 277-285.

Goat Reproduction:

- Billings, H.J., L.S. Katz. (1999). "Male influence on proceptivity in ovariectomized French-Alpine goats (*Capra hircus*)." *Applied Animal Behaviour Science* 64(3): 181-191.
- Conway, M.L.T., J.K. Blackshaw, R.C.W. Daniel. (1996). "The effects of agonistic behaviour and nutritional stress on both the success of pregnancy and various plasma constituents in Angora goats." *Applied Animal Behaviour Science* 48: 1-13.
- Doherty, W.C., E.O. Price, L.S. Katz. (1987). "A note on activity monitoring as a supplement to estrus detection methods for dairy goats." *Applied Animal Behaviour Science* 17: 347-351.
- Greyling, J. (2000). "Reproduction traits in the Boer goat doe". *Small Ruminant Research* 36(2): 171-177.
- Imwalle, D.B., L.S. Katz. (2004). "Development of sexual behavior over several serving capacity tests in male goats." *Applied Animal Behaviour Science* 89: 315-319.
- Malfatti, A., A. Lucaroni, A. Debenedetti. (1991). "Behaviour associated with parturition in goats." *Applied Animal Behaviour Science* 30: 191.
- Mellado, M., C. Cardenas, F. Ruiz. (2000). "Mating behavior of bucks and does in goat operations under range conditions." *Applied Animal Behaviour Science* 67: 89-96.
- Price, E.O., R. Borgwardt, A. Orihuela, M. R. Dally. (1998). "Sexual stimulation in male sheep and goats." *Applied Animal Behaviour Science* 59(4): 317-322.
- Price, E.O., V.M. Smith, L.S. Katz. (1986). "Stimulus conditions influencing self-enurination, genital grooming and flehmen in male goats." *Applied Animal Behaviour Science* 16(4): 371-381.

- Price, E.O., V.M. Smith. (1984). "The relationship of male-male mounting to mate choice and sexual performance in male dairy goats." *Applied Animal Behaviour Science* 13: 71-82.
- Price, E.O., V.M. Smith, L.S. Katz. (1984). "Sexual stimulation of male dairy goats." *Applied Animal Behaviour Science* 13: 83-92.
- Yamin, M., G. Payne, J.K. Blackshaw. (1995). "The time of birth and the choice of birth sites by Booroola Merino ewes and Angora goats." *Applied Animal Behaviour Science* 45: 89-96.

Goat Learning/Perception:

- Blakeman, N.E., T.H. Friend. (1986). "Visual discrimination at varying distances in Spanish goats." *Applied Animal Behaviour Science* 16(3): 279-283.
- Sherry, C.J., T.J. Walters, G.G. Rodney, P.J. Henry. (1994). "Behavioral chaining in the goat (*Capra hircus*)." *Applied Animal Behaviour Science* 40: 241-251.
- Tracey J.P., P.J.S. Fleming. (2006). "Behavioural responses of feral goats (*Capra hircus*) to helicopters." *Applied Animal Behaviour Science* 108:114-128.

Goat Housing/environment:

- Boe, K.E., I.L. Andersen, L. Buisson, E. Simensen, W.K. Jeksrud. (2007). "Flooring preferences in dairy goats at moderate and low ambient temperature." *Applied Animal Behaviour Science* 108:45-57.
- Flint, M., P. Murray. (2001). "Lot-fed goats – the advantages of using an enriched environment". *Australian Journal of Experimental Agriculture* 41(4): 473-476.

Goat Human-Animal Interaction:

- Boivin, X., B.O. Braastad. (1996). "Effects of handling during temporary isolation after early weaning on goat kids' later response to humans." *Applied Animal Behaviour Science* 48: 61-71.
- Jackson, K.M.A., D. Hackett. (2007). "A note: The effects of human handling on heart girth, behaviour and milk quality in dairy goats." *Applied Animal Behaviour Science* 108:332-336.
- Lyons, D.M., E.O. Price. (1987). "Relationships between heart rates and behavior of goats in encounters with people." *Applied Animal Behaviour Science* 18: 363-369.

Goat Health:

- Luginbuhl J. (2008). "Meat Goat Vaccination Program" [GoatWorld.com](http://www.goatworld.com/articles/vacprogram.shtml). <http://www.goatworld.com/articles/vacprogram.shtml>
- Navarre, C. (2006). "Goat parasite control requires more than cattle protocols". *DVM Newsmagazine* 37(6): 2F-3F.
- Navarre, C. (2008). "Treating meat goats for neurological ills". *DVM Newsmagazine* 39(5): 1F-2F.

Goat Production:

- Kocourek, C. (2004). "Start your own meat goat herd". *Countryside and Small Stock Journal* 88: 60-62.

- Lyons, D.M. (1989). "Individual differences in temperament of dairy goats and the inhibition of milk ejection." *Applied Animal Behaviour Science* 22: 269-282.
- Provenza, F.D., J.C. Malechek. (1986). "A comparison of food selection and foraging behavior in juvenile and adult goats." *Applied Animal Behaviour Science* 16(1): 49-61.
- Wilkinson, J. and B. Stark. Commercial Goat Production. Great Britain: Billing & Sons Ltd, 1987.

Goat Transportation/Handling

- Das, K.S., B.B. Srivastava, Das N. (2001). "Standing Orientation and behavior of goats during short-haul road transportation." *Small Ruminant Research* 41(1):91-94.
- Masator, A., A. Negishi, A. Abe, Y. Maejima, S. Sugita. (2003). "Sex differences in stress responses to transportation in goats: Effects of gonadal hormones". *Animal Science Journal* 74(6): 511-519.
- Kannan, G., T. Terrill, B. Kouakou, O.S. Gazal, S. Gelaye, E.A. Amoah, S. Samake. (2000). "Transportation of goats: effects on physiological stress responses and live weight loss". *Journal of Animal Science* 78(6): 1450-1457.
- Richardson Craig. (2002) "Lowering Stress in Transported Goats". *Livestock Technology*. Ontario Ministry of Agriculture and Food – Livestock Technology Branch.

Goat Slaughter/Meat Production

- Manual for the slaughter of small ruminants in developing countries. (1985). Agriculture and Consumer Production: FAO Animal Production and Health Papers. Accessed 21 Jan., 2009.
<http://www.fao.org/DOCREP/003/X6552E/X6552E06.htm#ch6.2>
- Stanton, T. (2007). *Education- Publications- Religious Slaughter*. Ethnic Holiday Calendar. Accessed 1/21/2009.
<http://sheepgoatmarketing.info/education/ethnicholidays.htm>
- Kannan, G., T. Terrill, B. Kouakou, S. Gelaye, E.A. Amoah. (2002). "Stimulated preslaughter holding and isolation effects on stress responses and live weight shrinkage in meat goats". *Journal of Animal Science* 80(7): 1771-1780.
- Madruga, M., T. Torres, F.F. Carvalho, R.C. Queiroga, N. Narain, D. Garrutti, M.A. Souza Neto, C.W. Mattos, R.G. Costa. (2008). "Meat quality of Moxoto and Caninde goats as affected by two levels of feeding". *Meat Science* 80(4): 1019-1023.
- Mitcham, S., A. Mitcham. (2000). "Meat Goats: their history, management and diseases." Sumner: Crane Creek Publication.
- Coffey, L. (2006). *National Sustainable Agriculture Information Service*. Meat Goats: Sustainable Production. <http://attra.ncat.org/attra-pub/meatgoat.html>
- Regenstein, J.M. 2003. "Humane Slaughter." *Northeast Sheep and Goat Marketing Program*. <http://www.sheepgoatmarketing.info/news/HumaneSlaughter.pdf>

RABBIT

Does & Kits:

- Baumann, P., H. Oester, M. Stauffacher. (2005). "The influence of pup odour on the nest related behaviour of rabbit does (*Oryctolagus cuniculus*)." Applied Animal Behaviour Science 93: 123-133.
- Baumann, P., H. Oester, M. Stauffacher. (2005). "Effects of temporary nest box removal on maternal behaviour and pup survival in caged rabbits (*Oryctolagus cuniculus*)." Applied Animal Behaviour Science 91: 167-178.
- Canali, E., V. Ferrante, R. Todeschini, M. Verga, C. Carezzi. (1991). "Rabbit nest construction and its relationship with litter development." Applied Animal Behaviour Science 31: 259-266.
- Castellini, C., A. Dal Bosco, M. Arias-Álvarez, P.L. Lorenzo, R. Cardinali, P.G. Rebollar. (2010) "The main factors affecting the reproductive performance of rabbit does: A review" Animal Reproduction Science 122(3-4): 174-182
- Selzer, D. Castellini, C., A. Dal Bosco, M. Arias-Álvarez, P.L. Lorenzo, R. Cardinali, P.G. Rebollar. (2010) "The main factors affecting the reproductive performance of rabbit does: A review" Animal Reproduction Science 122(3-4): 174-182, K. Lange, St. Hoy. (2004). "Frequency of nursing in domestic rabbits under different housing conditions." Applied Animal Behaviour Science 87: 317-324.
- Verga, M., E. Canali, F. Pizzi, C. Crimella. (1986). "Induced reactions in young rabbits of dams of different parity and reared on two different nursing schedules." Applied Animal Behaviour Science 16(3): 285-293.

Rabbit Behavior & Housing:

- Bozicovich, T.F.M., A.S.A.M.T. Moura, S. Fernandes, A.A. Oliveira, E.R. Siqueira. (2016) "Effect of environmental enrichment and composition of the social group on the behavior, welfare, and relative brain weight of growing rabbits" Applied Animal Behaviour Science 182:72-79
- Buijs, S., L.J. Keeling, F.A.M. Tuytens. (2011) "Behaviour and use of space in fattening rabbits as influenced by cage size and enrichment." Applied Animal Behaviour Science 134(3-4): 229-238
- Buijs, S., L. Maertens, K. Hermans, J. Vangeyte, F.A.M. Tuytens. (2014) "Behaviour, wounds, weight loss and adrenal weight of rabbit does as affected by semi-group housing." Applied Animal Behaviour Science 172:44-51
- Chu, L.R., J.P. Garner, J.A. Mench. (2004). "A behavioral comparison of New Zealand White rabbits (*Oryctolagus cuniculus*) housed individually or in pairs in conventional laboratory cages." Applied Animal Behaviour Science 85: 121-139.
- Cornale, P., E. Macchi, M. Renna, L. Prola, G. Perona, and A. Mimosi. (2016) "Effect of Cage Type on Fecal Corticosterone Concentration in Buck Rabbits During the Reproductive Cycle" Journal of Applied Animal Welfare Science 19(1): 90-96
- D'Agata, M., G. Preziuso, C. Russo, A.D. Zotte, E. Mourvaki, G. Paci. (2009) "Effect of an outdoor rearing system on the welfare, growth performance, carcass and meat quality of a slow-growing rabbit population" Meat Science 83(4): 691-696

- Dalmau, A., A.M. Abdel-Khalek, J. Ramon, M. Piles, J.P. Sanchez, A. Verlarde, O. Rafel. (2015) "Comparison of behaviour, performance and mortality in restricted and ad libitum-fed growing rabbits" *Animal* 9(7): 1172-80
- DiVincenti, L., A.N. Rehrig. (2016) "The Social Nature of European Rabbits (*Oryctolagus cuniculus*)" *Journal of the American Association for Laboratory Animal Science* 55(6): 729-736
- Drescher, B. (1994). "Housing systems for breeding rabbits with respect to animal welfare." *Applied Animal Behaviour Science* 40(1): 76-77.
- Gunn, D., D.B. Morton. (1995). "Inventory of the behaviour of New Zealand White rabbits in laboratory cages." *Applied Animal Behaviour Science* 45: 277-292.
- Hall, L.S., K. Myers. (1978). "Variations in the microclimate in rabbit warrens in semi-arid New South Wales." *Austral Ecology*. 3(2): 187-194.
- Hansen, L.T., H. Berthelsen. (2000). "The effect of environmental enrichment on the behaviour of caged rabbits (*Oryctolagus cuniculus*)." *Applied Animal Behaviour Science* 68(2): 163-178.
- Held, S.D.E., R.J. Turner, R.J. Wooton. (1995). "Choices of laboratory rabbits for individual or group-housing." *Applied Animal Behaviour Science* 46: 81-91.
- Jezierski, T., N. Scheffler, W. Bessei, E. Schumacher. (2005). "Demand functions for cage size in rabbits selectively bred for high and low activity in open-field." *Applied Animal Behaviour Science* 93: 323-339.
- Kasa, W., C.J. Thwaites. (1990). "The effects of elevated temperature and humidity on rectal temperature and respiration rate in the New Zealand white rabbit." *International Journal of Biometeorology*. 34(3): 157-160.
- Lehmann, M. (1991). "Social behaviour in young domestic rabbits under semi-natural conditions." *Applied Animal Behaviour Science* 32: 269-292.
- Lidfors, L. (1997). "Behavioural effects of environmental enrichment for individually caged rabbits." *Applied Animal Behaviour Science* 52: 157-169.
- Mikó, A., Z. Matics, Z. Gerencsér, M. Odermatt, I. Radnai, I. Nagy, K. Szendrő and Z. Szendrő. (2014) "Performance and welfare of rabbits does in various caging systems" *Animal* 8(7): 1146-1152
- Morisse, J.P., R. Maurice (1997). "Influence of stocking density or group size on behaviour of fattening rabbits kept under intensive conditions." *Applied Animal Behaviour Science* 54(4): 351-357.
- Morisse, J.P., E. Boilletot, A. Martrenchar. (1999). "Preference testing in intensively kept meat production rabbits for straw on wire grid floor." *Applied Animal Behaviour Science* 64(1): 71-80.
- Orengo, J., T. Gidenne. (2007). "Feeding behaviour and caecotrophy in the young rabbit before weaning: An approach by analysing the digestive contents." *Applied Animal Behaviour Science* 102: 106-118.
- Princz, Z., A.D. Zotte, I. Radnai, E. Bíró-Németh, Z. Matics, Z. Gerencsér, I. Nagy, Z. Szendrő. (2008) "Behaviour of growing rabbits under various housing conditions" *Applied Animal Behaviour Science* 111(3-4): 342-356
- Podberscek, A.L., J.K. Blackshaw, A.W. Beattie. (1991). "The behaviour of group penned and individually caged laboratory rabbits." *Applied Animal Behaviour Science* 28(4): 353-363.

- Prola, L., P. Cornale, M. Renna, E. Macchi, G. Perona, A. Mimosi. (2013) "Effect of breed, cage type, and reproductive phase on fecal corticosterone levels in doe rabbits" *Journal of Applied Animal Welfare Science* 16(2): 140-149
- Rommers, J.M., B.J.F. Reuvekamp, H. Gunnink, I.C. de Jong. (2014) "Effect of hiding places, straw and territory on aggression in group-housed does" *Applied Animal Behaviour Science* 157:117-126
- Trocino, A., E. Filiou, M. Tazzoli, D. Bertotto, E. Negrato, G. Xiccato. (2014) "Behaviour and welfare of growing rabbits housed in cages and pens" *Livestock Science* 167: 305-314
- Tschudin, A., M. Clauss, D. Codron, A. Liesegang, J.M. Hatt. (2010) "Water intake in domestic rabbits (*Oryctolagus cuniculus*) from open dishes and nipple drinkers under different water and feeding regimes." *Journal of Animal Physiology and Animal Nutrition* 95(4): 499-511
- Vastrade, F.M. (1987). "Spacing behaviour of free-ranging domestic rabbits, *Oryctolagus cuniculus* L." *Applied Animal Behaviour Science* 18(2): 185-195.
- Vastrade, F.M. (1986). "The social behaviour of free-ranging domestic rabbits (*Oryctolagus cuniculus* L.)." *Applied Animal Behaviour Science* 16(2): 165-177.

Human-Rabbit Interactions:

- Csatadi, K., Agnes B., Vilmos A. (2007). "Specificity of early handling: Are rabbit pups able to distinguish between people?" *Applied Animal Behaviour Science* 107:322-327
- Csatadi, K., K. Kustos, C.S. Eiben, A. Bilko, V. Altbacker. (2005). "Even minimal human contact linked to nursing reduces fear responses toward humans in rabbits." *Applied Animal Behaviour Science* 95: 123-128.
- Jezierski, T.A., A.M. Konecka. (1996). "Handling and rearing results in young rabbits." *Applied Animal Behaviour Science* 46: 243-250.
- Podberscek, A.L., J.K. Blackshaw, A.W. Beattie. (1991). "The effects of repeated handling by familiar and unfamiliar people on rabbits in individual cages and group pens," *Applied Animal Behaviour Science* 28(4): 365-373.
- Kersten, A.M.P., F.M. Meijsser, J.H.M. Metz. (1989). "Effects of early handling on later open-field behaviour in rabbits." *Applied Animal Behaviour Science* 24(2): 157-167.

Rabbit Slaughter:

- Liste, G., M. Villarroel, G. Chacón, C.Sañudo, J.L. Olleta, S. García-Belenguer, S. Alierta, G.A. María. (2009) "Effect of lairage duration on rabbit welfare and meat quality" *Meat Science* 82(1):71-76
- Mazzone, G., G. Vignola, M. Giammarco, A.C. Manetta, L. Lambertini. (2010) "Effects of loading methods on rabbit welfare and meat quality" *Meat Science* 85(1): 33-39
- Nakyinsige, K., A.Q. Sazili, I. Zulkifli, Y.M. Goh, F. Abu Bakar, A.B. Sabow. (2014) "Influence of gas stunning and halal slaughter (no stunning) on rabbits welfare indicators and meat quality" *Meat Science* 98(4): 701-708

Miscellaneous

- Jolley, P.D. (1990). "Rabbit transport and its effects on meat quality." *Applied Animal Behaviour Science* 28: 119-134.
- Meijsser, F.M., A.M.P. Kersten, P.R. Wierkema, J.H.M. Metz. (1989). "An analysis of the open-field performance of sub-adult rabbits." *Applied Animal Behaviour Science* 24(2): 147-155.
- Rosell, J.M., L.F. de la Fuente. (2016) "Causes of mortality in breeding rabbits" *Preventative Veterinary Medicine* 127:56-63
- Turner, P.V., S. Buijs, J. Rommers, M. Tessier. (2017) "Code of Practice for the Care and Handling of Rabbits: Review of Scientific Research on Priority Issues." National Farm Animal Care Council http://www.nfacc.ca/resources/codes-of-practice/rabbits/rabbits_SC%20report_2017.pdf
- USDA: APHIS: VS (2009) "U.S. Rabbit Industry Profile." https://www.aphis.usda.gov/animal_health/emergingissues/downloads/RabbitReport1.pdf

RODENT

Mice:

- Marques, J.M. Olsson, I.A.S. (2007). "The effect of preweaning and postweaning housing on the behavior of the laboratory mouse (*Mus musculus*)." 41:92-102.
- Sherwin, C.M., E.F. Glen. (2003). "Cage colour preferences and effects of home cage colour on anxiety in laboratory mice." *Animal Behavior* 66(6):1085-1092.
- Van Loo P.L.P., C.L.J.J. Kruitwagen, L.F.M. Van Zutphen, J.M. Koolhaas, V. Baumans. (2000). "Modulation of aggression in male mice: influence of cage cleaning regime and scent marks." *Animal Welfare* 9(3):281-295.
- Van Loo, P.L.P., H.A. Van de Weerd, L.F.M. Van Zutphen. V. Baumans. (2004). "Preference for social contact versus environmental enrichment in male laboratory mice." *Laboratory Animals* 38(2):178-188.

Rats:

- Abou-Ismael, U.A., O.H.P. Burman, C.J. Nicol, M. Mendl. (2008). "Let Sleeping Rats lie: does the timing of husbandry procedures affect laboratory rat behavior physiology and welfare?" *Applied Animal Behaviour Science* 111:329-341.
- Altun, M., E. Bergman, E. Edstrom, H. Johnson, B. Ulfhake. (2007). "Behavioral impairments of the aging rat." *Physiology and Behavior* 92(5): 911-923.
- Armario, A, J.L. Montero, J. Balasch. (1986). "Sensitivity of Corticosterone and some metabolic variables to graded levels of low intensity stresses in adult male rats." *Physiology and Behavior* 37(4):559-561.
- Augustsson, H, L. Lindberg, A.U. Hoglund, K. Dahlborn. (2002). „Human–animal interactions and animal welfare in conventionally and pen-housed rats." *Laboratory Animals* 36(3):271-281.
- Batchelor, GR. (1993). "An enriched commune housing system for laboratory rats—a preliminary view." *Animal Technology* 44:201-213.

- Batchelor, GR. (1994). "The rest/activity rhythm of the laboratory rat housed under different systems." *Animal Technology* 45:181-187.
- Belz, E.E., J.S. Kennell, R.K. Czambel, R.T. Rubin, M.E. Rhodes. (2003). "Environmental enrichment lowers stress-responsive hormones in singly housed male and female rats." *Pharmacology, Biochemistry and Behavior* 76:481-486.
- Blanchard, R.J., D.C. Blanchard. (2003). "Bringing natural behaviors into the laboratory: a tribute to Paul MacLean." *Physiology and Behavior* 79(3):515– 524.
- Blom, H.J.M., G. Van Tintelen, V. Baumans, J. Ven Den Broek, A.C. Beyen. (1995). "Development and application of a preference test system to evaluate housing conditions for laboratory rats." *Applied Animal Behaviour Science* 43(4):279-290.
- Burghardt, P.R., L. Fulk, G. Hand, M. Wilson. (2004.) "The effects of chronic treadmill and wheel running behavior in rats." *Brain Research* 1019: 84-96.
- Burman, O.H.P., M. Mendl. (2000). "Short-term social memory in the laboratory rat: its susceptibility to disturbance." *Applied Animal Behaviour Science* 67(3):241–254.
- Burman, O., R. Parker, E.S. Paul, M. Mendl. (2008). "A spatial judgement task to determine background emotional state in laboratory rats, *Rattus norvegicus*." *Animal Behavior* 76(3): 801-809.
- Burn, C. (2008). "What is it like to be a rat? Rat sensory perception and its implications for experimental design and rat welfare." *Applied Animal Behavior Science* 112: 1-32.
- Burn, C., G. Mason. (2008). "Rats seem indifferent between their own scent-marked homecages and clean cages." *Applied Animal Behavior Science* 115: 201-210.
- Cui, M., Y. Yang, J. Yang, J. Zhang, H. Han, W. Ma, H. Li, R. Mao, L. Xu, W. Hao, J. Cao. (2006) "Enriched environment experience overcomes the memory deficits and depressive-like behavior induced by early life stress." *Neuroscience Letters* 404: 208-212.
- Hackbarth, H., N. Küppers, W. Bohnet. (2000). "Euthanasia of rats with carbon dioxide—animal welfare aspects." *Laboratory Animals* 34(1):91-96.
- Hurst, J.L., C.J. Barnard, U. Tolladay, C.M. Nevison, C.D. West. (1999). "Housing and welfare in laboratory rats: effects of cage stocking density and behavioural predictors of welfare." *Animal Behaviour* 58(3):563-586.
- Hurst, J.L., C.J. Barnard, C.M. Nevison, C.D. West. (1998). "Housing and welfare in laboratory rats: the welfare implications of social isolation and social contact among females." *Animal Welfare* 7(2): 121-136.
- Johnson, S.R., E.G. Patterson-Kane, L. Niel. (2004) "Foraging enrichment for laboratory rats." *Animal Welfare* 13(3): 305-312.
- Key, D. (2004). "Environmental enrichment options for laboratory rats and mice." *Lab Animal* 33(2):39-44.
- Leach, M.C., V.A. Bowel, T.F. Allan, D.B. Morton. (2002). "Aversion to gaseous euthanasia agents in rats and mice." *Comparative Medicine* 52(3):249-257.
- Lesham, M., M. Sherman. (2006) "Troubles shared are troubles halved: Stress in rats is reduced in proportion to social propinquity." *Physiology and Behavior* 89(3): 399-401.
- Moncek, F., R. Duncko, B.B. Johansson, D. Jezova. (2004). "Effect of Environmental Enrichment on Stress Related Systems in Rats." *Journal of Neuroendocrinology* 16(5):423–431.

- Nielsen, B.L. (1999). "On the interpretation of feeding behaviour measures and the use of feeding rate as an indicator of social constraint." *Applied Animal Behaviour Science* 63(1):79–91.
- Olsson, I.A.S., K. Westlund. (2007). "More than numbers matter: the effect of social factors on behavior and welfare of laboratory rodents and non-human primates." *Applied Animal Behaviour Science* 103: 229-254.
- Parent, C.I., M.K. Meany. (2008). "The influence of natural variations in maternal care on play fighting in the rat." *Developmental Psychobiology* 50(8): 767-776.
- Patterson-Kane, E.G., D.N. Harper, M. Hunt. (2001). "The cage preferences of laboratory rats." *Laboratory Animals* 35(1):74-79.
- Spangenberg, E., K. Dahlborn, B. Essen-Gustavsson, K. Cvek. (2009). "Effects of Physical activity and group size on animal welfare in laboratory rats." *Animal Welfare* 18: 159-169.
- Ras, T., M. van de Ven, E.G. Patterson-Kane, K. Nelson. (2002). "Rats' preferences for corn versus wood-based bedding and nesting materials." *Laboratory Animals* 36(4):420-425.
- Rodel, H., G. Prager, V. Stefanski, D. Von Holst, R. Hudson. (2008). "Separating maternal and litter-size effects on early postnatal growth in two species of altricial small animals." *Physiology and Behavior* 93: 826-834.
- Townsend, P. (1997). "Use of in-cage shelters by laboratory rats." *Animal Welfare* 6(2):95-103.
- van de Weerd, H.A., F.A.R. van den Broek, V. Baumans. (1996). "Preference for different types of flooring in two rat strains." *Applied Animal Behaviour Science* 46:251-261.
- William, C.M., P.M. Riddell, L.A. Scott. (2008). "Comparison of preferences for object properties in the rat using paired- and free-choice paradigms." *Applied Animal Behaviour Science* 112: 146-157.

EQUINE

Equine Behavior and Housing:

- Brady, C.M., C.S. Kanne. (2002). "Introduction to horse management. *Animal Sciences: Horses*." Purdue University Cooperative Extension Service. http://www.ces.purdue.edu/extmedia/AS/AS_554_W.pdf
- Marteniuk, J. and C. Carleton. (2004). "Castration Concerns for the Equine Owner." College of Veterinary Medicine, Michigan State University. <http://old.cvm.msu.edu/extension/equine/CastrationConcernsfortheEquineOwner.pdf>.
- Caudle, A.B., D.C. Pugh. (1986). "Restraint." *Veterinary Clinics of North America. Equine Practic.* 2(3):645-651.
- Christensen, J., T. Zharkikh, J. Ladewig, N. Yasinetskaya. (2002). "Social behavior in stallion groups (*Equus przewalskii* and *Equus caballus*) kept under natural and domestic conditions." *Applied Animal Behavior Science* 76(1): 11-20.
- Agricultural Animal Health Care. (1999). In: *Guide for the Care and Use of Agricultural Animals in Agricultural Research and Teaching*. Federation of Animal Science Societies.

- Heleski, C.R., A.C. Shelle, B.D. Nielsen, A.J. Zanella. (2002). "Influence of housing on weanling horse behavior and subsequent welfare." *Applied Animal Behaviour Science* 78: 291-302.
- Holcombe, S.J., C. Jackson, V. Gerber, A. Jefcoat, C. Berney, S. Eberhardt, N.E. Robinson. (2001). "Stabling is associated with airway inflammation in young Arabian horses." *Equine Veterinary Journal* 33(3): 244-249.
- Houpt, K.A. (1995). "New perspectives on equine stereotypic behaviour." *Equine Veterinary Journal* 27(2): 82-83.
- Houpt, K.A. (2002). "Formation and dissolution of the mare—foal bond." *Applied Animal Behaviour Science* 78: 319-328.
- Jørgensen, G.H.M., K.E. Bøe. (2007). "A note on the effect of daily exercise and paddock size on the behaviour of domestic horses (*Equus caballus*)." *Applied Animal Behaviour Science* 107: 166-173.
- Lansade, L., M. Bertrand, X. Boivin, M.F. Bouissou. (2004). "Effects of handling at weaning on manageability and reactivity of foals." *Applied Animal Behaviour Science* 87: 131–149.
- Malinowski, K., N.A. Haliquist, *et al.* (1990). "Effect of different separation protocols between mares and foals on plasma cortisol and cell-mediated immune response." *Equine Nutrition and Physiology Society Refereed papers from the 11th Symposium. Equine Veterinary Science Volume 10, Number 5 1990.*
- McDonnell, S.M., A. Poulin. (2002). "Equid play ethogram." *Applied Animal Behaviour Science* 78: 263-290.
- McGreevy, P.D., P.J. Cripps, N.P. French, L.E. Green, C.J. Nicol. (1995). "Management factors associated with stereotypic and redirected behaviour in the Thoroughbred horse." *Equine Veterinary Journal* 27(2): 86-91.
- Merl, S., S. Scherzer, R. Palme, E. Mostl. (2000). "Pain causes increased concentrations of glucocorticoid metabolites in horse feces." *Journal of Equine Veterinary Science Volume 20, Number 9, 2000.*
- Nutrition of the Broodmare. 1988. University of Kentucky Cooperative Extension Service. <http://www.uky.edu/Ag/AnimalSciences/extension/pubpdfs/asc112.pdf>
- Pasturing Guidelines for Horses. 2004. College of Veterinary Medicine, Michigan State University.
- Rivera, E., S. Benjamin, B. Nielsen, J. Shelle, A.J. Zanella. (2001). "Behavioral and physiological responses of horses to initial training: the comparison between pastured versus stalled horses." *Applied Animal Behaviour Science* 78: 235–252.
- Søndergaard, E., Halekoh, U. (2003). "Young horses' reactions to humans in relation to handling and social environment." *Applied Animal Behaviour Science* 84(4): 265–280.
- Waters, A.J., C.J. Nicol, N.P. French. (2002). "Factors influencing the development of stereotypic and redirected behaviours in young horses: findings of a four year prospective epidemiological study." *Equine Veterinary Journal* 34(6): 572-579.
- Williams, J.L., T.H. Friend, M.N. Collins, M.J. Toscano, A. Sisto-Burt, C.H. Nevill. (2003). "Effects of imprint training procedure at birth on the reactions of foals at age six months." *Equine Veterinary Journal* 35(2): 127-132.

COMPANION ANIMALS

General:

- Hewson, C., J. Wojciechowska. (2003). "Is she suffering? A theoretical approach to assessing quality of life in companion animals." Annual Conference of the International Society for Applied Ethology, Abano Terme, Italy June 2003 (Proceedings 37).
http://www.applied-ethology.org/isaemeetings_files/2003%20ISAE%20in%20Abano%20Terme,%20Italy.pdf

Cat Behavior and Welfare:

- Barratt, D.G. (1997). "Home range size, habitat utilization and movement patterns of suburban and farm cats *Felis catus*." *Ecography* 20(3):271-280.
- Bloomberg, M.S. (1996). "Surgical neutering and nonsurgical alternatives." *Journal of the American Veterinary Medical Association* 208(4):517-519.
- Cambridge, A.J., K.M. Tobias, R.C. Newberry, D.K. Sarkar. (2000). "Subjective and objective measurements of postoperative pain in cats." *Journal of the American Veterinary Medical Association* 217(5):685-690.
- Crowell-Davis, S.L., *et al.* (1997). "Social behavior and aggressive problems of cats." *Veterinary Clinics of North America: Small Animal Practice* 27:549-568.
- Dehasse, J. (1997). "Feline urine spraying." *Applied Animal Behaviour Science* 52:365-371.
- Heidenberger, E. (1997). "Housing conditions and behavioural problems of indoor cats as assessed by their owners." *Applied Animal Behaviour Science* 52:345-364.
- Landsberg, G. (1996). "Feline behavior and welfare." *Journal of the American Veterinary Medical Association* 208:502-505.
- Loveridge, G.G., L.J. Horrocks, A.J. Hawthorne. (1995). "Environmentally enriched housing for cats when housed singly." *Animal Welfare* 4:135-141.
- Marder, A.R., J.M. Engel. (2002). "Long-term outcome after treatment of feline inappropriate elimination." *Journal of Applied Animal Welfare Science* 5(4):299-308.
- Pryor, P.A., B.L. Hart, M.J. Bain, K.D. Cliff. (2001). "Causes of urine marking in cats and effects of environmental management on frequency of marking." *Journal of the American Veterinary Medical Association* 219(12):1709-1713.
- Rochlitz, I. (1999). "Recommendations for the housing of cats in the home, in catteries and animal shelters, in laboratories and in veterinary surgeries." *Journal of Feline Medicine and Surgery* 1:181-191.
- Rochlitz, I. (2003). "Study of factors that may predispose domestic cats to road traffic accidents: part 1." *Veterinary Record* 153:549-553.
- Rochlitz, I. (2004). "The effect of road traffic accidents on domestic cats and their owners." *Animal Welfare* 13:51-55.
- Serpell, J.A. (1996). "Evidence for an association between pet behavior and owner attachment levels." *Applied Animal Behaviour Science* 47:49-60.
- Voith, V.L., P.L. Borchelt. (1986). "Social behavior of domestic cats." *Compendium on Continuing Education for the Practicing Veterinarian* 8:637-646.

- Wells, D.L., J.M. Egli. (2004). "The influence of olfactory enrichment on the behaviour of captive black-footed cats, *Felis nigripes*." *Applied Animal Behaviour Science* 85:107-119.
- Yamaguchi, N., D.W. MacDonald. (1996). "Parasite prevalence in free-ranging farm cats, *Felis silvestris catus*." *Epidemiol. Infect.* 116:217-223.
- Yeon, S.C., J.A. Flanders. (2001). "Attitudes of owners regarding tendonectomy and onychectomy in cats." *Journal of the American Veterinary Medical Association* 218:43-47.

Dog Behavior and Welfare:

- Barnard, S., C. Pedernera, L. Candeloro, N. Ferri, A. Velarde, P. Dalla Villa. (2016) "Development of a new welfare assessment protocol for practical application in long-term dog shelters" *Veterinary Record* 178(1): 18
- Beerda, B., M.B.H. Schilder, et al. (1998). "Behavioural, saliva cortisol and heart rate responses to different types of stimuli in dogs." *Applied Animal Behaviour Science*. 58:365-381.
- Bennett, P.C., E. Perini. (2003). "Tail docking in dogs: a review of the issues." *Australian Veterinary Journal* 81:208-218.
- Chen, C.L., S.A. Kumar. (1978). "Serum hydrocortisone (cortisol) values in normal and adrenergic dogs as determined by radioimmunoassay." *American Journal of Veterinary Research* 39 (1):179-181.
- Cobb, M., N. Branson, P.D. McGreevy, P.C. Bennett, N.J. Rooney, T. Magdalinski, T. Howell, K. Dawson. (2015) *Review & Assessment of Best Practice Rearing, Socialisation, Education and Training Methods for Greyhounds in a Racing Context*. Technical Report from Working Dog Alliance Australia
- Cook, A. (2015) "High Stakes, Greyhound Racing in the United States". GRET2K USA <https://www.grey2kusa.org/pdf/USreportWeb.pdf>
- Crenshaw, W.E., C.N. Carter. (1995). "Should dogs in animal shelters be neutered early?" *Veterinary Medicine* 90: 756-760.
- Denham, H.D.C., J.W.S. Bradshaw, N.J. Rooney. (2014) "Repetitive behaviour in kennelled domestic dog: Stereotypical or not?" *Physiology & Behavior* 128: 288-294
- German, A.L. (2006). "The Growing Problem of Obesity in Dogs and Cats." *The Journal of Nutrition* 136: 1940S-1946S.
- German, A.J., S.L. Holden, et al. (2006). "A Simple, Reliable Tool for Owners to Assess the Body Condition of Their Dog or Cat." *The Journal of Nutrition* 136: 2031S-2033S.
- Gillette, R.L., T.C. Angle, J.S. Sanders, F.J. DeGraves. (2011) "An evaluation of the physiological effects of anticipation, activity arousal and recovery in sprinting Greyhounds" *Applied Animal Behaviour Science* 130(3-4): 101-106
- Goddard, M.E., R.G. Beilharz. (1983). "A factor analysis of fearfulness in potential guide dogs." *Applied Animal Behavior Science* 12: 253-265.
- Goddard, M.E., R.G. Beilharz. (1986). "Early prediction of adult behavior in potential guide dogs." *Applied Animal Behavior Science* 15: 247-260.

- Haverbeke, A., C. Diederich, E. Depiereux, J.M. Giffroy. (2008). "Cortisol and Behavioral Responses of Working Dogs to Environmental Challenges." *Physiology and Behavior* 93: 59-67.
- Hennessy, M.B., H.N. Davis, et al. (1997). "Plasma Cortisol Levels of Dogs at a County Animal Shelter." *Physiology and Behavior*. 62:485-490.
- Hiby, E.F., N.J. Rooney. (2004). "Dog training methods: their use, effectiveness and interaction with behaviour and welfare." *Animal Welfare* 13:63-69.
- Hill, R.C., D.D. Lewis, S.C. Randell, K.C. Scott, M. Omori, D.A. Sundstrom, G.L. Jones, J.R. Speakman, R.F. Butterwick. (2005) *American Journal of Veterinary Research* 66(6): 1065-1070
- Hubrecht, R.C. (1993). "A comparison of social and environmental enrichment methods for laboratory housed dogs." *Applied Animal Behaviour Science*. 37:345-361.
- Hubrecht, R.C. (1995). "Enrichment in puppyhood and its effects on later behavior in dogs." *Laboratory Animal Science* 45(1):70-75.
- Hubrecht, R. (2002). "Comfortable quarters for dogs in research institutions." In: *Comfortable Quarters for Laboratory Animals*. Eds Reinhardt V, Reinhardt A. Animal Welfare Institute, Washington, DC. Pp 56-64.
- Hubrecht, R.C., J.A. Serpell. (1992). "Correlates of pen size and housing conditions on the behaviour of kennelled dogs." *Applied Animal Behaviour Science* 34:365-383.
- Iddon, J., R.H. Lockyer, S.P. Freat. (2014) "The effect of season and track condition on injury rate in racing greyhounds" *Journal of Small Animal Practice* 55(8): 399-404
- Kiddie, J., L. Collins. (2015) "Identifying environmental and management factors that may be associated with the quality of life of kenneled dogs (*Canis familiaris*)" *Applied Animal Behaviour Science* 167: 43-55
- Lane, D.R., J. McNicholas, and G.M. Collis. (1998). "Dogs for the disabled: benefits to recipients and welfare of the dog." *Applied Animal Behavior Science* 59: 49-60.
- Loveridge, G.G. (1998). "Environmentally enriched dog housing." *Applied Animal Behaviour Science* 59:101-113.
- McGreevy, P.D, et al. (1999). "Some practical solutions to welfare problems in dog breeding." *Animal Welfare* 8:329-341.
- McGreevy, P.D, et al. (2005). "Prevalence of obesity in dogs examined by Australian veterinary practices and the risk factors involved." *Veterinary Record* 156: 695-702.
- McNicholl, J., G.S. Howarth, S.J. Hazel. (2016) "Influence of the Environment on Body Temperature of Racing Greyhounds" *Frontiers in Veterinary Science* 3: 53
- Meyer, I., J. Ladewig. (2008). "The relationship between number of training sessions per week and learning in dogs." *Applied Animal Behavior Science* 111: 311-320.
- Netto, W.J., D.J.U. Planta. (1997). "Behavioural testing for aggression in the domestic dog." *Applied Animal Behaviour Science* 52:243-263.
- Noonan, G.J., J.S. Rand. (1996). "Behavioural observations of puppies undergoing tail docking." *Applied Animal Behaviour Science*. 49:335-342.
- Reimers, T.J., L.K. Mummary. (1984). "Effects of reproductive state on concentrations of thyroxine, 3,5,3'-triiodothyronine and cortisol in serum of dogs." *Biology of Reproduction* 31:148-154.

- Reimers, T.J., D.F. Lawler, et al. (1990). "Effects of age, sex, and body size on serum concentrations of thyroid and adrenocortical hormones in dogs." *American Journal of Veterinary Research* 51(3):454-457.
- Rooney, N., S. Gaines, and E. Hiby. (2009). "A practitioner's guide to working dog welfare." *Journal of Veterinary Behavior* 4: 127-134.
- Sales, G., R. Hubrecht, et al. (1997). "Noise in dog kenneling: is barking a welfare problem for dogs?" *Applied Animal Behaviour Science*. 52:321-329.
- Scullion Hall, L.E., S. Robinson, J. Finch, H.M. Buchanan-Smith. (2017) "The influence of facility and home pen design on the welfare of the laboratory-housed dog" *Journal of Pharmacological and Toxicological Methods* 83: 21-29
- Serpell, J.A., Y. Hsu. (2001). "Development and validation of a novel method for evaluating behavior and temperament in guide dogs." *Applied Animal Behavior Science* 72: 347-364.
- Shin, Y., N. Shin. (2007) "Relationship between sociability towards humans and physiological stress in dogs" *The Journal of Veterinary Medical Science* 79(7): 1278-1283
- Slabbert, J.M., O.A.E. Rasa. (1997). "Observational learning of an acquired maternal behavior pattern by working dog pups: an alternative training method?" *Applied Animal Behavior Science* 53: 309-316.
- Streiff E.L., B. Zwischenberge, et al. (2002). „A comparison of the nutritional adequacy of home-prepared and commercial diets for dogs." *Waltham International Symposium: Pet Nutrition Coming of Age. Journal of Nutrition* 132:1698S-1700S.
- Svartberg, K. (2002). "Shyness-boldness predicts performance in working dogs." *Applied Animal Behavior Science* 79: 157-174.
- Theran, P. (1993). "Animal welfare forum: overpopulation of unwanted dogs and cats. Early-age neutering of dogs and cats." *Journal of the American Veterinary Medical Association* 202:914-917.
- Tuber, D.S., D.D. Miller, et al. (1999). "Dogs in Animal Shelters: Problems, Suggestions, and Needed Expertise." *Psychological Science* 10:379-386.
- Wells, D.L. (2004a). "A review of environmental enrichment for kennelled dogs, *Canis familiaris*". *Applied Animal Behaviour Science*. 85:307-317.
- Wells D.L. (2004b). "The influence of toys on the behaviour and welfare of kenneled dogs." *Animal Welfare* 13:367-373.
- Wells D., P.G. Hepper. (1992). "The behaviour of dogs in a rescue shelter." *Animal Welfare* 1:171-186.
- Wells D.L., P.G. Hepper. (1998). "A note on the influence of visual conspecific contact on the behaviour of sheltered dogs." *Applied Animal Behaviour Science* 60:83-88.
- Wells D.L., P.G. Hepper. (2000). "Prevalence of behaviour problems reported by owners of dogs purchased from an animal rescue shelter." *Applied Animal Behaviour Science* 69:55-65.
- Wells D.L., P.G. Hepper. (2001). "The behavior of visitors towards dogs housed in an animal rescue shelter." *Anthrozoos* 14:12-18.
- Wells D.L., L Graham, P.G. Hepper. (2002a). "The influence of length of time in a rescue shelter on the behaviour of kenneled dogs." *Animal Welfare* 11:317-325.

- Wells D.L., L Graham, P.G. Hepper. (2002b). "The influence of auditory stimulation on the behaviour of dogs housed in a rescue shelter." *Animal Welfare* 11:385-393.
- Wilsson, E., P. Sundgren. (1997). "The use of a behavior test for the selection of dogs for service and breeding, I: Method of testing and evaluating test results in the adult dog, demands on different kinds of service dogs, sex and breed differences." *Applied Animal Behavior Science* 53: 279-295.
- Yin, S. (2002). "A New Perspective on Barking in Dogs (*Canis familiaris*)." *Journal of Comparative Psychology* 116:189-193.

FISH & AQUACULTURE

General:

- Goldberg R.J., R.L. Elliott, and R.L. Naylor. (2001). "Marine aquaculture in the United States: Environmental impacts and policy options." Pew Oceans Commission, Arlington, Virginia.
- McKinnell S and A.J. Thomson. (1997). "Recent events concerning Atlantic salmon escapees in the Pacific." *ICES Journal of Marine Science* 54:1221-1225.
- Naylor R. and M. Burke. (2005). "Aquaculture and ocean resources: Raising tigers of the sea." *Annual Review of Environment and Resources* 30:185-215.
- Naylor R.L., R.J. Goldberg, J.H. Primavera, N Kautsky, M.C.M. Beveridge, J. Clay, C. Folke, J. Lubchenco, H Mooney, M. Troell. (2000). "Effect of aquaculture on world fish supplies." *Nature* 405:1017-1024.

Behavior, Welfare & Stress Physiology:

- Acerete, L., J.C. Balasch, E. Espinosa, A. Josa, and L. Tort. (2004) "Physiological responses in Eurasian perch (*Perca fluviatilis*, L.) subjected to stress by transport and handling" *Aquaculture* 237(1-4): 167-178
- Ashley, P.J. (2007). "Fish welfare: current issues in aquaculture." *Applied Animal Behaviour Science* 104:199-235.
- Barber, I. (2007). "Parasites, behaviour and welfare in fish." *Applied Animal Behaviour Science* 104:251-264.
- Barton, B.A. and G.K. Iwama. (1991). "Physiological changes in fish from stress in aquaculture with emphasis on the response and effects of corticosteroids." *Annual Review of Fish Diseases* 1:3-26.
- Biswas, A.K., M. Seoka, K. Takii, M. Maita, and H. Kumai. (2006) "Stress response of red sea bream *Pagrus major* to acute handling and chronic photoperiod manipulation" *Aquaculture* 252(2-4): 566-572
- Conte, F.S. (2004). "Stress and the welfare of cultured fish." *Applied Animal Behaviour Science* 86(3-4):205-223.
- Damsgård, B., J. Juell, and B. Braastad. (2006). "Welfare in farmed fish." *Fiskeriforskning, Report 5/2006*. <http://www.nofima.no/filearchive/Rapport%2005-2006%20Welfare%20in%20farmed%20fish.pdf>. Accessed September 14, 2007.
- Davidson, J., C. Good, C. Welsh, and S.T. Summerfelt. (2011) "Abnormal swimming behavior and increased deformities in rainbow trout *Oncorhynchus mykiss* cultured in

low exchange water recirculating aquaculture systems." *Aquaculture Engineering* 45:109-117

- Farm Animal Welfare Committee. (2014) "Opinion on the Welfare of Farmed Fish." https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/319323/Opinion_on_the_welfare_of_farmed_fish.pdf
- Fisheries Society of the British Isles. (2002). "Fish Welfare." Briefing Paper 2. Fisheries Society of the British Isles, Granata Information Systems. www.nal.usda.gov/awic/pubs/Fishwelfare/FSBI.pdf. Accessed September 14, 2007.
- Handeland, S.O., J. Järvi, A. Fernö, and S.O. Stefansson. (1996). "Osmotic stress, antipredator behaviour, and mortality of Atlantic salmon (*Salmo salar*) smolts." *Canadian Journal of Fisheries and Aquatic Sciences* 53:2673-80.
- Hallerman, E.M., E. McLean, I.A. Fleming. (2007). "Effects of growth hormone transgenes on the behavior and welfare of aquacultured fishes: A review identifying research needs." *Applied Animal Behaviour Science* 104:265-294.
- Håstein, T., A.D. Scarfe, and V.L. Lund. (2005). "Science-based assessment of welfare: aquatic animals." *Revue Scientifique et Technique-Office International des Epizooties* 24(2):529-547.
- Håstein T. (2004). "Animal welfare issues relating to aquaculture." Global conference on animal welfare: an OIE initiative, Paris, 23-25 February, p.219-31.
- Huntingford, F.A., C. Adams, V.A. Braithwaite, *et al.* (2006). "Current issues in fish welfare." *Journal of Fish Biology* 68(2):332-72.
- Huntingford, F.A. and S. Kadri. (2014) "Defining, assessing and promoting the welfare of farmed fish." *Revue scientifique et technique (International Office of Epizootics)* 33(1): 233-244
- Iversen, M., B. Finstad, and K.J. Nilssen. (1998). "Recovery from loading and transport stress in Atlantic salmon (*Salmo salar* L.) smolts." *Aquaculture* 168:387-94.
- Iwama, G.K. (1998). "Stress in fish." *Annals of the New York Academy of Sciences* 851:304-310.
- Mesa, M.G. (1994). "Effects of multiple acute stressors on the predator avoidance ability and physiology of juvenile Chinook salmon." *Transactions of the American Fisheries Society* 123:786-793.
- Olla, B.L, M.W. Davis, and C.B. Schreck. (1992). "Comparison of predator avoidance capabilities with corticosteroid levels induced by stress in juvenile coho salmon." *Transactions of the American Fisheries Society* 121:544-547.
- Pickering, A.D. (1998). "Stress responses of farmed fish." In: Black KD and Pickering AD, editors. *Biology of Farmed Fish* Sheffield, UK: Sheffield Academic Press, p. 222-55.
- Pottinger, T.G. and A.D. Pickering. (1997). "Genetic basis to the stress response: selective breeding for stress-tolerant fish." In: Iwama, G.K., Pickering, A.D., Sumpter, J.P., and Schreck, C.B. editors. *Fish Stress and Health in Aquaculture*, Society for Experiment Biology, Seminar Series 62, Cambridge, UK: Cambridge University Press, p. 171-93.
- Prunet, P., Ø. Øverli, J. Douxfils, G. Bernardini, P. Kestemont, and D. Baron. (2012) "Fish Welfare and Genomics" *Fish Physiology and Biochemistry* 38(1): 43-60

- Rouger, Y., J. Aubin, B. Breton, *et al.* (1998). "Response of rainbow trout (*Oncorhynchus mykiss*) to transport stress." *Bulletin Francais de la Peche et de la Pisciculture* 350-351:511-519.
- Schreck, C.B., B.L. Olla, and M.W. Davis. (1997). "Behavioral responses to stress." In: Iwama, G.K., Pickering, A.D., Sumpter J.P., and Schreck C.B. editors, *Fish Stress and Health in Aquaculture*, Society for Experiment Biology, Seminar Series 62, Cambridge, UK: Cambridge University Press, p.145-70.
- Schwedler, T.E. and S.K. Johnson. (1999/2000). "Animal welfare issues: responsible care and health maintenance of fish in commercial aquaculture." *Animal Welfare Information Center, United States Department of Agriculture* 10 (3-4). <http://www.nal.usda.gov/awic/newsletters/v10n3/10n3schw.htm>. Accessed September 14, 2007.
- Sneddon, L.U. (2007). "Fish behavior and welfare." *Applied Animal Behaviour Science* 104:173-175.
- Sumpter, J.P. (1997). "The endocrinology of stress. In:" Iwama, G.K., Pickering, A.D., Sumpter, J.P., and Schreck, C.B. editors. *Fish Stress and Health in Aquaculture*, Society for Experiment Biology, Seminar Series 62, Cambridge, UK: Cambridge University Press, p. 95-118.
- Wedemeyer, G.A. (1997). "Effects of rearing conditions on the health and physiological quality of fish in intensive culture." In: Iwama, G.K., Pickering, A.D., Sumpter, J.P., and Schreck, C.B. editors, *Fish Stress and Health in Aquaculture*, Society for Experiment Biology, Seminar Series 62, Cambridge, UK: Cambridge University Press, p. 35-71.
- Wendelaar, S.E. Bonga. (1997). "The stress response in fish." *Physiological Reviews* 77:591-625.

Pain, Suffering & Fear:

- Braithwaite, V.A. and P. Boulcott. (2007). "Pain perception, aversion and fear in fish." *Diseases of Aquatic Organisms* 75:131-138.
- Braithwaite, V.A. and L.O., Ebbesson. (2014) "Pain and stress response in farmed fish." *Revue scientifique et technique (International Office of Epizootics)* 33(1):245-253
- Chandroo, K.P., I.J.H. Duncan, and R.D. Moccia. (2004). "Can fish suffer?: perspectives on sentience, pain, fear and stress." *Applied Animal Behaviour Science* 86(3-4):225-50.
- Chandroo, K.P., S. Yue, and R.D. Moccia. (2004). "An evaluation of current perspectives on consciousness and pain in fishes." *Fish and Fisheries* 5:281-295.
- Rose, J.D. (2002). "The neurobehavioral nature of fishes and the question of awareness and pain." *Reviews in Fisheries Science* 10(1):1-38.
- Sneddon, L.U., V.A. Braithwaite, and M.A. Gentle. (2003). "Do fishes have nociceptors? Evidence for the evolution of a vertebrate sensory system." *Proceedings of the Royal Society London Series B* 270:1115-21.
- Sneddon, L.U. (2006). "Ethics and welfare: Pain perception in fish." *Bulletin of the European Association of Fish Pathologists* 26(1):6-10.

Management & Breeding:

- Dunham, R.A. and R.H. Devlin. (1999). "Comparison of Traditional Breeding and Transgenesis in Farmed Fish with Implications for Growth Enhancement and Fitness." In: Murray, J.D., Anderson, G.B., Oberbauer, A.M., and McGloughlin, M.M. editors, *Transgenic Animals in Agriculture*, Wallingford: CAB International.
- Ellis, T., A.P. Scott, B. North, N.R. Bromage, M. Porter, and D. Gadd. (2002). "The relationships between stocking density and welfare in farmed rainbow trout." *Journal of Fish Biology* 61(3):493–531.
- Johnstone, R. (1992). "Production and Performance of Triploid Atlantic Salmon in Scotland." Marine Laboratory, The Scottish Office Agriculture and Fisheries Department.
- López-Olmeda, J.F., C. Noble, and F.J. Sánchez-Vázquez. (2011) "Does feeding time affect fish welfare?" *Fish Physiology and Biochemistry* 38(1): 143-152
- Lupatsch, I., G.A. Santos, J.W. Schrama, and J.A.J. Verreth. (2010). "Effect of stocking density and feeding level on energy expenditure and stress responsiveness in European sea bass *Dicentrarchus labrax*." *Aquaculture* 298(3-4): 245-250
- Turnbull, J., A. Bell, C. Adams, J. Bron, and F. Huntingford. (2005) "Stocking density and welfare of caged farmed Atlantic salmon: application of a multivariate analysis." *Aquaculture* 243: 121-132

Health & Disease:

- Hoyle, I., B. Oidtmann, T. Ellis, *et al.* (2007). "A validated macroscopic key to assess fin damage in farmed rainbow trout (*Oncorhynchus mykiss*)." *Aquaculture* 270:142-148.
- Krkošek, M., M.A. Lewis, A. Morton, L.N. Frazer, and J.P. Volpe. (2006). "Epizootics of wild fish induced by farm fish." *Proceedings of the National Academy of Sciences of the United States of America* 103(42):15506-10.
- Rae, G.H. (2002). "Sea louse control in Scotland, past and present." *Pest Management Science* 58:515-20.
- Segner, H., H. Sundh, K. Buchmann, J. Douxfils, K.S. Sundell, C. Mathieu, N. Ruane, F. Jutfelt, H. Toften, and L. Vaughan. (2012) "Health of farmed fish: its relation to fish welfare and its utility as welfare indicator" *Fish Physiology and Biochemistry* 38(1): 85-105
- Sommerville, C. (1998). "Parasites of farmed fish." In: Black, K.D. and Pickering, A.D. editors. *Biology of Farmed Fish*, Sheffield, UK: Sheffield Academic Press, p. 146-79.
- Wall, A.E. and R.H. Richards. (1992). "Occurrence of cataracts in triploid Atlantic Salmon (*Salmo salar*) on four farms in Scotland." *The Veterinary Record* 131(24):553-557.

Slaughter:

- Robb, D., S. Kestin, and J. Lines. (2000). "Progress with humane slaughter." *Fish Farmer*, November/December 2000, p. 41-2.
- Robb, D.H.F and S.C. Kestin. (2002). "Methods used to kill fish: Field observations and literature reviewed." *Animal Welfare* 11(3):269-82.

- Robb, D.H.F, S.B. Wotton, J.L. McKinstry, N.K. Sorensen, and S.C. Kestin. (2000). "Commercial slaughter methods used on Atlantic salmon: determination of the onset of brain failure by electroencephalography." *Veterinary Record* 147(11):298-303.
- Southgate, P. and T. Wall. (2001). "Welfare of farmed fish at slaughter." *In Practice* 23(5):277-84.
- USDA: APHIS (2009) "Slaughter of Farmed Fish for Human Consumption" Aquatic Animal Health Standards Commission Report: Chapter 7.3
https://www.aphis.usda.gov/import_export/animals/oie/downloads/aahc_sep09/aahc-slaughter-farmed-fish-hc-78-sep09.pdf
- van de Vis, H., S. Kestin, D. Robb, *et al.* (2003). "Is humane slaughter of fish possible for industry?" *Aquaculture Research* 34(3):211-20.
- Wall, A.J. (2001). "Ethical considerations in the handling and slaughter of farmed fish." In: Kestin, S.C. and Warriss, P.D., editors. *Farmed Fish Quality*, Oxford, UK: Blackwell Science, p. 108-15.

DEER & ELK

Management/Feeding

- Barry, T.N. *et al.* (2002). "Novel forages for growth and health in farmed deer." *New Zealand Veterinary Journal* 50(6): 244-251.
- Beringer, J. *et al.* (1994) "Use of dogs to reduce damage by deer to a white pine plantation." *Wildlife Society Bulletin* 22: 627-632
- Collier, Bret A. (2007) "Uncertainty in age-specific harvest estimates and consequences for white-tailed deer management." *Ecological Modelling* 201: 197-204
- Charlton, D. (2009) "Pastures-Pastures for different livestock." *Te Ara- the Encyclopedia of New Zealand*. <http://TeAra.govt.nz/en/pastures/11>
- DeNicola, A..J. (1997) "Capture-Induced Stress in White-Tailed Deer" *Wildlife Society Bulletin* 25(2):500-503
- Evers, G.W. "Pasture Systems for Deer Farming." 1-4
<http://foragesoftexas.tamu.edu/pdf/deerpastures.pdf>
- Finder, R.A. *et al.* (1999) "Site and landscape conditions at white-tailed deer/vehicle collision locations in Illinois." *Landscape and Urban Planning* 44: 77-85
- Fulbright, T.E. (1999) "Food plots for White-tailed deer." *Wildlife Management Bulletin of the Caesar Kleberg Wildlife Research Institute Texas A&M* 1-7
- Grenier, D. *et al.* (1999) "Food access by white-tailed deer (*Odocoileus virginianus*) at winter feeding sites in eastern Quebec." *Applied Animal Behaviour Science* 63: 323-337
- Haigh, J.C., R.W. Friesen. (1995) "A handling system for white-tailed deer (*Odocoileus virginianus*)." *Journal of Zoo and Animal Wildlife Medicine* 26(2): 321-326
- Haulton, S.M., W.F. Porter. (2001) "Evaluating 4 methods to capture White-tailed deer" *Wildlife Society Bulletin* 29(1):255-264

- Michigan.gov (2009) "Privately-Owned Cervidae Facility Registration" Department of Natural Resources
http://www.michigan.gov/documents/dnr/POC_OP_Standards_07_191455_7.pdf
- Michigan.gov (2009) "Disease Herd Plan Options" Department of Natural Resources
http://www.michigan.gov/documents/dnr/POC_DHP_Options_3-07_191456_7.pdf
- Morris, D. "Are your Deer Hungry?" North American Whitetail
http://www.northamericanwhitetail.com/deermanagement/wt_202foodplots/index.htm#cont
- NADEFA. "General Information about Deer Farming." North American Deer Farmers Association Library
http://www.nadefa.com/index.php?option=com_content&view=article&id=55:general&catid=37:farming&Itemid=65
- Woodruff, R.A., J.S. Green. (1995) "Livestock herding dogs: A unique application for wildlife damage management." Great Plains Wildlife Damage Control Workshop Proc., 12: 43-45

Breeding

- Bertrand, M.R. *et al.* (1996) "Effects of Parturition on Home Ranges and Social Affiliations of Female White Tailed Deer" *The Journal of Wildlife Management* 60(4):899-909
- Butler, D.A. *et al.* (2009) "Differences in Timing of Parturition, Birthing Sites and Bedding Sites of Fawns in Sympatric Populations of Deer" 54(3): 261-271
- Cothran, E. Gus., R.K. Chesser, *et al.* (1987) "Fat Levels in Female White-Tailed Deer during the breeding season and Pregnancy" *Journal of Mammalogy*. 68(1):111-118
- Fletcher, T.J. (2001) "Farmed deer: new domestic animals defined by controlled breeding." *Reproduction, Fertility and Development* 13: 511-516
- Lasley, B., L. Kirkpatrick. (1991) "Monitoring Ovarian function in captive and free-ranging wildlife by means of urinary and fecal steroids" *Journal of Zoo and Wildlife Medicine* 22(1):23-31
- Osborn, D.A. *et al.* (2000). "Out-of-season breeding of captive white-tailed deer." *Theriogenology* 54:611-619
- Osborn, D.A. *et al.* (1996) "Use of Glycoprotein Assays for Pregnancy Diagnosis in White-Tailed Deer" *The Journal of Wildlife Management* 60(2):388-393
- Schultz, S.R. (1992) "Breeding by male white-tailed deer fawns" *Journal of Mammalogy* 73(1): 148-150
- Therrien, Jean-Francois., *et al.* (2008) "Maternal Care in white-tailed deer: trade-off between maintenance and reproduction under food restriction" *Animal Behavior* 75:235-243
- Willard, S.T. *et al.* (2002). "A comparison of transvaginal artificial insemination procedures for the use in commercially farmed deer." *Small Ruminant Research* 44: 135-140
- Wood, A.K., *et al.* (1986) "Serum Assays for Detecting Pregnancy in Mule and White-Tailed Deer" 50(4):684-687

Hunting

- Boone and Crockett Club. (2009) "Scoring your Trophy: Typical Whitetail Deer." Boone and Crockett Club http://www.boone-crockett.org/bgRecords/bc_scoring_typwhitetail.asp?area=bgRecords&type=Typical+Whitetail+Deer

Disease/Disease Control/Morbidity and Mortality

- Goossens, E., *et al.* (2005) "A 12 month survey of gastrointestinal helminth infections of cervids kept in two zoos in Belgium" *Journal of Zoo and Wildlife Medicine* 36(3): 470-478
- Haigh, J., J. Berezowski, M.R. Woodbury. (2005) "A cross-sectional study of the causes of morbidity and mortality in farmed white-tailed deer" *Canadian Veterinary Journal* 46:507-512
- Mackintosh, C.G. *et al.* (2004). "Mycobacterial diseases of deer." *New Zealand Veterinary Journal* 52(4): 163-174
- Michigan.gov. (2009) "Free-ranging White-tailed deer." *Emerging Disease* http://www.michigan.gov/emergingdiseases/0,1607,7-186-25804_25811-75803--,00.html
- Morgan, Thelma. (2003) "Deworming deer and elk." *Health; Deer and Elk Farmers Information Network*. http://www.deer-library.com/artman/publish/article_115.shtml
- Pennsylvania Department of Agriculture. (2007) "Chronic Wasting Disease." *Animal and Plant Health* <http://www.agriculture.state.pa.us/agriculture/cwp/view.asp?q=127774>
- Singh, A. "Managing Internal Parasites in Organic Livestock." *Organic Agriculture Centre of Canada* <http://www.organicagcentre.ca/DOCs/Internal%20parasite%20control%20in%20organic%20livestock.doc>

Zoo Animals

General:

- Allen, M.E. and D.E. Ullrey. (2004) "Relationships Among Nutrition and Reproduction and Relevance for Wild Animals." *Zoo Biology* 23(6):475-487.
- Carlstead, K. (2009) "A comparative approach to the study of keeper-animal relationships in the zoo." *Zoo Biology* 28(6):589-608.
- Carlstead, K. and D. Shepherdson. (1994) "Effects of Environmental Enrichment on Reproduction." *Zoo Biology* 13(5):447-458.
- Clayton, S., J. Fraser, and C.D. Saunders (2009) "Zoo Experiences: Conversations, Connections, and Concern for Animals" *Zoo Biology* 28(5): 377-397.
- Croney, C.C. and R.C. Newberry. (2007) "Group size and cognitive processes." *Applied Animal Behaviour Science* 103(3-4): 215-228.
- Davey, G. (2007) "Visitors' effects on the welfare of animals in the zoo: A review." *Journal of Applied Animal Welfare Science* 20(2):169-183.

- Davey, G. (2006) "An hourly variation in zoo visitor interest: Measurement and significance for animal welfare research." *Journal of Applied Animal Welfare Science* 9(3):249-256.
- Duncan I. J. H., Hughes B.O. (1988) "The notion of ethological 'need', models of motivation and animal welfare." *Animal Behavior* 36(6): 1696-1707.
- Falk, J.H., E.M. Reinhard, C.L. Vernon, K. Bronnenkant, J.E. Heimlich, and N.L. Deans. (2007) "Why zoo & aquariums matter: Assessing the Impact of a Visit to a Zoo or Aquarium." Association of Zoos & Aquariums.
- Farrand, A. (2007) "The Effect of Zoo Visitors on the Behaviour and Welfare of Zoo Mammals." PhD Thesis, University of Stirling.
- Fernandez, E.J., M.A. Tamborski, S.R. Pickens, and W. Timberlake. (2009) "Animal-visitor interaction in the modern zoo: Conflicts and interventions." *Applied Animal Behaviour Science* 120(1-2):1-8.
- Hill, S.P. and D.M. Broom. (2009) "Measure Zoo Animal Welfare: Theory and Practice." *Zoo Biology* 28(6): 531-544.
- Hosey, G.R. (2000) "Zoo animals and their human audiences: what is the visitor effect?" *Animal Welfare* 9(4): 343-357.
- Hutchins, M., B. Smith, and R. Allard. (2003) "In defense of zoos and aquariums: the ethical basis for keeping wild animals in captivity." *Journal of the American Veterinary Medical Association* 223(7):959-966.
- Lacy, R.C. (1997) "Importance of Genetic Variation to the Viability of Mammalian Populations." *Journal of Mammology* 78(2): 320-335.
- Mason, G., R. Clubb, N. Latham, and S. Vickery. (2007) "Why and how should we use environmental enrichment to tackle stereotypic behavior?" *Applied Animal Behaviour Science* 102(3-4):163-188.
- Mason, G. (1991) "Stereotypies: A critical review." *Animal Behaviour* 41(6): 1015–1037.
- Morgan, K.N. and C.T. Tromborg. (2007) "Sources of stress in captivity" *Applied Animal Behaviour Science* 102(3-4):262-302.
- Price, E.E. and T.A. Stoinski. (2007) "Group size: Determinants in the wild and implications for the captive housing of wild mammals in zoos." *Applied Animal Behaviour Science* 103(3-4): 255-264.
- Ralls, K., J.D. Ballou, and A. Templeton. (1988) "Estimates of lethal equivalents and the cost of inbreeding in mammals." *Conservation Biology* 2(2): 185-193.
- Shyne, A. (2006) "Meta-analytic review of the effects of enrichment on stereotypic behavior in zoo mammals." *Zoo Biology* 25(4): 317-337.
- Swaisgood, R.R. and D.J. Shepherdson. (2005) "Scientific Approaches to Enrichment and Stereotypies in Zoo Animals: What's Been Done and Where Should We Go Next?" *Zoo Biology* 24(6):499-518.
- Tarou, L.R. and M.J. Bashaw. (2007) "Maximizing the effectiveness of environmental enrichment: Suggestions from the experimental analysis of behavior." *Applied Animal Behaviour Science* 102(3-4): 189-204.
- Veasey J.S., N.K. Waran, and R.J. Young. (1996) "On comparing the behaviour of zoo housed animals with wild conspecifics as a welfare indicator." *Animal Welfare* 5(1):13–24.

- Wickins-Drazilova, D. (2006) "Zoo animal welfare" *Journal of Agricultural and Environmental Ethics* 199(1):27-36.
- Wielebnowski, N. (2003) "Stress and distress: evaluating their impact for the well-being of zoo animals." *Journal of American Veterinary Medicine Association* 223(7): 973-977.

Giraffe/Okapi:

- Bashaw, M.J. (2010) "Consistency of captive giraffe behavior under two different management regimes" *Zoo Biology* 29: 1-8.
- Bashaw M.J., M.A. Bloomsmith, T.L. Maple, and F.B. Bercovitch. (2007) "The structure of social relationships among captive female giraffe." *Journal of Comparative Psychology* 121(1):46–53.
- Bashaw, M.J. (2003) "Social behavior and communication in a herd of captive giraffe." PhD thesis, Georgia Institute of Technology, Atlanta, GA.
- Bashaw, M.J., L.R. Tarou, T.S. Maki, and T.L. Maple. (2001) "A survey assessment of variables related to stereotypy in captive giraffe and okapi." *Applied Animal Behaviour Science* 73(3): 244-251.
- Baxter, E. and A.B. Plowman. (2001) "The effect of increasing dietary fibre on feeding, rumination and oral stereotypies in captive giraffes (*Giraffa camelopardalis*)." *Animal Welfare* 10(3): 281-290.
- Bercovitch, F.B., M.J. Bashaw, C.G. Penny, and R.G. Rieches. (2004) "Maternal investment in captive giraffes." *Journal of Mammalogy* 85(3): 428-431.
- Clauss, M., T.A. Franz-Odenaal, J. Brasch, J.C. Castell, and T. Kaiser. (2007) "Tooth wear in captive giraffes (*Giraffa camelopardalis*): Mesowear analysis classifies free-ranging specimens as browsers but captive ones as grazers." *Journal of Zoo and Wildlife Medicine* 38(3): 433-445.
- Fernandez, L.T., M.J. Bashaw, R.L. Sartor, N.R. Bouwens, and T.S. Maki. (2008) "Tongue Twisters: Feeding Enrichment to Reduce Oral Stereotypy in Giraffe" *Zoo Biology* 27(3): 200-212.
- Koene, P. and E.K. Visser. (1997) Tongue playing behaviour in captive giraffes. *Zeitschrift für Säugetierkunde* 62 (Supplementum II): 106–111.
- Le Pendu, Y., I. Ciofolo, and A. Gosser. (2000) "The social organization of giraffes in Niger." *African Journal of Ecology* 38(1): 78-85.
- Pellew, Robin A. 1984. The feeding ecology of a selective browser, the giraffe (*Giraffacamelopardalis tippelskirchi*). *Journal of Zoology* 202(1): 57-81.
- Tarou, L.R., M.J. Bashaw, and T.L. Maple. (2000) "Social attachment in giraffe: Response to social separation." *Zoo Biology* 19(1): 41-51.
- Tarou, L.R., M.J. Bashaw, and T.L. Maple. (2003) "Failure of a chemical spray to significantly reduce stereotypic licking in a captive giraffe." *Zoo Biology* 22(6): 601-607.
- Tobler, I. and B. Schwierin. (1996) "Behavioural sleep in the giraffe (*Giraffa camelopardis*) in a zoological garden." *Journal of Sleep Research* 5(1): 21-32.
- Veasey, J.S., N.K. Waran, and R.J. Young. (1996) "On comparing the behavior of zoo housed animals with wild conspecifics as a welfare indicator, using the giraffe (*Giraffa camelopardalis*) as a model." *Animal Welfare* 5(2): 139-153.