

## IEC SCIENTIFIC REFERENCES AVAILABLE - LISTED BY BROAD TOPICS AND PUBLICATION DATE

### **Avian Influenza:**

Davidson, I. et al. (2010). Avian influenza virus H9N2 survival at different temperatures and pHs. *Avian Diseases* 54: 725-728

Hsu, S.M et al. (2012). Efficacy of Avian influenza vaccine in Poultry: a meta-analysis. *Avian Diseases* 54: 1197-1209

Ameji, O.N. et al (2012). Awareness, knowledge, readiness to report outbreak and biosecurity practices towards highly pathogenic avian influenza in Kogi State, Nigeria. *International Journal of Poultry Science* 11: 11-15

Burgos Cáceres, S. (2012). A case study on the roles of nongovernmental organizations in influencing decisions regarding highly pathogenic avian influenza in Cambodia. *World's Poultry Science Journal* 68: 281-291

Martins, N. et al. (2012). An overview on Avian Influenza. *Brazilian Journal of Poultry Science* 14: 71-85

Pantin-Jackwood, M.J. et al. (2012). Low pathogenicity Avian influenza viruses infect layers by different routes of inoculation. *Avian Diseases* 56: 276-281

Reis, A. et al. (2012). Tenacity of low-pathogenic avian influenza viruses in different types of poultry litter. *Poultry Science* 91: 1745-1750

Duvauchelle, A. et al. (2013). Risk factors for the introduction of avian influenza virus in breeder duck flocks during the first 24 weeks of laying. *Avian Pathology* 42: 447-456

Guan, J. et al. (2013). Aerosol transmission of an Avian Influenza H9N2 virus with a tropism for the respiratory track of chickens. *Avian Diseases* 57: 645-949

Jang, Y. et al. (2014). Evaluation of changes induced by temperature, contact time, and surface in the efficacies of disinfectants against avian influenza virus. *Poultry Science* 93: 70-76

## **Beak Trimming:**

Cunningham, D.L. (1992). Beak trimming effects on performance, behavior and welfare of chickens: a review. *J. Appl. Poultry Res.* 1: 129-134

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Cheng, H. (2006). Morphopathological changes and pain in beak trimmed laying hens. *World's Poultry Science Journal* 62: 41-52

Kuenzel, W.J. (2007). Neurobiological basis of sensory perception: welfare implications of beak trimming. *Poultry Science* 86: 1273-1282

Fahey, A.G. et al. (2007). Relationship between body weight and beak characteristics in one-day old White Leghorn chicks: its implications for beak trimming. *Poultry Science* 86: 1312-1315

Dennis, R.L. et al. (2009). Infrared beak treatment method compared with conventional hot-blade trimming in laying hens. *Poultry Science* 88: 38-43

Dennis, R.L. et al. (2010). A comparison of infrared and hot blade beak trimming in laying hens. *International Journal of Poultry Science* 9: 716-719

Angevaare, M.J. et al. (2012). The effect of maternal care and infrared beak trimming on development, performance and behavior of Silver Nick hens. *Applied Animal Behaviour Science* 140: 70-84

Carruthers, C. et al. (2012). On-farm survey of beak characteristics in White Leghorns as a result of hot blade trimming or infrared beak treatment. *Journal of Applied Poultry Research* 21: 645-650

Dennis, R.L. et al. (2012). Effects of different infrared beak treatment protocols on chicken welfare and physiology. *Poultry Science* 91: 1499-1505

## **Behaviour – General:**

Abeyesinghe, S. et al. (2009). Investigating social discrimination of group members of laying hens. *Behavioural Processes* 81: 1-13

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O'Connor, E. et al. (2011). The relationship between the comb and social behavior in laying hens. *Applied Animal Behaviour science* 135: 293-299

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Overall, K.L. (2012). Behavior affects welfare across species. *Journal of Veterinary Behavior* 7: 325-326

Zidar, J. et al. (2012). Scent of the enemy: behavioural responses to predator faecal odour in the fowl. *Animal Behaviour* 84: 547-554

Kuhne, F. et al. (2013). The discrimination-learning task determines the kind of frustration-related behaviours in laying hens (*Gallus gallus domesticus*). *Applied Animal Behaviour Science* 148: 192-200

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Seehuus, B. et al. (2013). Disrupting motivational sequences in chicks: Are there affective consequences? *Applied Animal Behaviour Science* 148: 85-92

## **Biodiversity:**

Hoffmann, I. (2009). The global plan of action for animal genetic resources and the conservation of poultry genetic resources. *World's Poultry Science Journal* 65: 286-297

Hoffmann, I. et al. (2011). The global plan of action for animal genetic resources – The road to common understanding and agreement. *Livestock Science* 136: 7-14

## **Bones / Skeleton:**

- Fleming, R.H. et al. (2004). Incidence, pathology and prevention of keel bone deformities in the laying hen. *Br. Poultry Science* 45: 320-330
- Webster, A.B. (2004). Welfare implications of avian osteoporosis. *Poultry Science* 83: 184-192
- Whitehead, C.C. (2004). Overview of bone biology in the egg-laying hen. *Poultry Science* 83: 193-199
- Leyendecker, M. et al. (2005). Keeping laying hens in furnished cages and an aviary housing system enhances their bone stability. *Br. Poultry Science* 46: 536-544
- Jendral, M.J. et al. (2008). Bone mineral density and breaking strength of White Leghorns housed in conventional, modified, and commercially available colony battery cages. *Poultry Science* 87: 828-837
- Käppeli, S. et al. (2011). Prevalence of keel bone deformities in Swiss laying hens. *British Poultry Science* 52: 531-536
- Käppeli, S. et al. (2011). Effects of housing, genetics, and 25-hydroxycholecalciferol on keel bone deformities in laying hens. *Poultry Science* 90: 1637-1644
- Saki, A. et al. (2011). Assessing bone mineral density, eggshell characteristics and their relationship at peak egg production of laying hens in response to various levels of vitamin C. *Brazilian Journal of Poultry Science* 13: 203-206
- Donaldson, C. et al. (2012). Aerial perches and free-range laying hens: The effect of access to aerial perches and of individual bird parameters on keel bone injuries in commercial free-range laying hens. *Poultry Science* 91: 304-315
- Kim, W.K. et al. (2012). Concepts and methods for understanding bone metabolism in laying hens. *World's Poultry Science Journal* 68: 71-82
- Silversides, F. et al. (2012). Comparison of bones of 4 strains of laying hens kept in conventional cages and floor pens. *Poultry Science* 91: 1-7

## **Cannibalism:**

- Tablante, N.L. et al. (2000). Spatial distribution of cannibalism mortalities in commercial laying hens. *Poultry Science* 79: 705-708

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Dennis, R. et al. (2011). The dopaminergic system and aggression in laying hens. *Poultry Science* 90: 2440-2448

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### **Egg – Human nutrition & health:**

Horrocks, L.A. et al. (1999). Health benefits of docosahexaenoic acid (DHA). *Pharmacological Research* 40: 211-225

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Gilbert, L.C. (2000). The functional food trend: what's next and what Americans think about eggs. *J. of the American College of Nutrition* 19: 507S-512S

Song, W.O. et al. (2000). Nutritional contribution of eggs to American diets. *J. of the American College of Nutrition* 19: 556S-562S

Surai, P.F. et al. (2001). Designer eggs: from improvement of egg composition to functional food. *Trends in Food Science & Technology* 12: 7-16

Granado, F. et al. (2003). Nutritional and clinical relevance of lutein in human health. *British Journal of Nutrition* 90: 487-502

Chandra, R.K. (2004). Impact of nutritional status and nutrient supplements on immune responses and incidence of infection in older individuals. *Ageing Research Reviews* 3: 91-104

Bourre, J-M. (2005). L'oeuf naturel multi-enrichi: des apports élevés en nutriments, notamment acides gras omega-3, en vitamines, minéraux et caroténoïdes. *Médecine et Nutrition* 41: 116-134

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Anonymous (2008). Briefing paper: Hunger on the rise. FAO website [www.fao.org/newsroom/en/news/2008/1000923](http://www.fao.org/newsroom/en/news/2008/1000923) accessed 01/09/2009

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### **Egg quality:**

Barbosa Fihlo, J.A.D. et al. (2005). Egg quality in layers housed in different production systems and submitted to two environmental conditions. *Brazilian Journal of Poultry Science* 8: 23-28

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- Guesdon, V. et al. (2006). Effects of beak trimming and cage design on laying hen performance and egg quality. *Br. Poultry Science* 47: 1-12
- Mallet, S. et al. (2006). Comparison of eggshell hygiene in two housing systems: Standard and furnished cages. *Br. Poultry Science* 47: 30-35
- Blockhuis, H.J et al. (2008). Animal welfare's impact on the food chain. *Trends in Food Science & Technology* 19: S79-S87
- Reu, de, K. et al. (2008). Bacterial contamination of table eggs and the influence of housing systems. *World's Poultry Science Journal* 64: 5-19
- Wall, H. et al. (2008b). Bacterial contamination of eggshells in furnished and conventional cages. *J. Appl. Poultry Res.* 17: 11-16
- Sossidou, E.N. et al. (2009). Hens' welfare to egg quality: a European perspective. *World's Poultry Science Journal* 65: 709-718
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- Hannah, J. et al. (2011). Comparison of shell bacteria from unwashed and washed table eggs harvested from caged laying hens and cage-free floor-housed laying hens. *Poultry Science* 90: 1586-1893
- Holt, P.S. et al. (2011). The impact of different housing systems on egg safety and quality. *Poultry Science* 90: 251-262
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### **Environment / Ammonia / Emissions:**

Wathes, C.M. et al. (1997). Concentrations and emission rates of aerial ammonia, nitrous oxide, methane, carbon dioxide, dust and endotoxin in UK broiler and layer houses. *Br. Poultry Science* 38: 14-28

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Groot Koerkamp, P.W.G et al. (1999a). Litter composition and ammonia emission in aviary houses for laying hens. Part II: Modelling the evaporation of water. *J. Agric. Engng. Res.* 73: 353-362

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Tamminga, S. (2003). Pollution due to nutrient losses and its control in European animal production. *Livestock Production Science* 84: 101-111



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- Li, H. et al. (2008). Reduction of ammonia emission from stored laying hens manure through topical application of zeolite, AI+Clear, Ferix-3, or poultry litter treatment. *J. Appl. Poultry Res.* 17: 421-431
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## **Environment – LCA**

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McMichael, A. et al. (2007). Food, livestock production, energy, climate change and health. *Lancet* 370: 1253-1263

Weber, C.L. et al. (2008). Food-miles and the relative climate impacts of food choices in the United States. *Environmental Science & Technology* 42: 3508-3513

Vergé, X.P.C. et al. (2009). Long-term trends in greenhouse gas emissions from the Canadian poultry industry. *Journal of Applied Poultry Research* 18: 210-222

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Pelletier, N. et al. (2014). Comparison of the environmental footprint of the egg industry in the United States in 1960 and 2010. *Poultry Science* 93: 241-255

Taylor, R.C. et al. (2014). The greenhouse emissions footprint of free-range eggs. *Poultry Science* 93: 231-237

### **Fear / Stress:**

Jones, R.B. (1996). Fear and adaptability in poultry: insights, implications and imperatives. *World's Poultry Science Journal* 52: 131-174

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- Ghareeb, K. et al (2008). Stability of fear and sociality in two strains of laying hens. *Br. Poultry Science* 49: 502-508
- Graml, C. et al. (2008). Reaction of laying hens to humans in the home or a novel environment. *Applied Animal Behaviour Science* 113: 98-109
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- Kuenzel, W.J. et al. (2010). Molecular neuroendocrine events during stress in poultry. *Poultry Science* 89: 832-840

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### **Feather pecking:**

Savory, C.J. (1995). Feather pecking and cannibalism. *World's Poultry Science Journal* 51: 215-219

Nicol, C.J. et al. (1999). Differential effects of increased stocking density, mediated by increased flock size, on feather pecking and aggression in laying hens. *Applied Animal Behaviour Science* 65: 137-152

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