



**FAWEC**

FARM ANIMAL  
**WELFARE**  
EDUCATION CENTER

## Estrés en animales de granja

Bohus B, Koolhaas JM, De Ruiter AJ, Heijnen CJ, 1991. Stress and differential alterations in immune system functions: conclusions from social stress studies in animals. *Netherlands Journal of Medicine* 39, 306-315.

Broom DM, Johnson KG, 1993. *Stress and Animal Welfare*. Chapman & Hall, London.

Broom DM, Kirkden RD, 2003. *Welfare, stress, behaviour and pathophysiology*. In: *Veterinary Pathophysiology*. Iowa State University Press, Iowa, p.337-369.

Cannon WB, 1929. *Bodily changes in pain, hunger, fear and rage: an account of recent researches into the function of emotional excitement*. Appleton, New York.

Faucitano L, Geverink NA, 2008. Effects of preslaughter handling on stress response and meat quality in pigs. In: *Welfare of pigs: from birth to slaughter*, Wageningen Academic Publishers, Versailles, p.197-224.

Heo JM, Opapeju FO, Pluske JR, Kim JC, Hampson DJ, Nyachoti CM, 2013. *Gastrointestinal health and function in weaned piglets: a review of feeding*

strategies to control post-weaning diarrhoea without using in-feed antimicrobial compounds. *Journal of Animal Physiology and Animal Nutrition* 97, 207-237.

Koolhaas JM, Bartolomucci A, Buwalda B, de Boer SF, Flügge G, Korte SM, Meerlo P, Murison R, Olivier B, Palanza P, Richter-Levin G, Sgoifo A, Steimer T, Stiedl O, van Dijk G, Wöhr M, Fuchs E, 2011. Stress revisited: A critical evaluation of the stress concept. *Neuroscience and Biobehavioral Reviews* 35, 1291-1301.

Moberg GP, Mench JA, 2000. *The biology of animal stress: principles and implications for animal welfare*. CABI Publishing, Wallingford.

Selye H, 1936. A syndrome produced by diverse nocuous agents. *Nature* 138, 32-33.

Söderholm JD, 2012. Effects of stress on intestinal mucosal functions. In: *Physiology of the Gastrointestinal Tract*, Academic Press Elsevier, Volume 2, p.1979-2000.

Weary DM, Jasper J, Hötzel MJ, 2008. Understanding weaning distress. *Applied Animal Behaviour Science* 110, 24-41.