

BURLEIGH DODDS SERIES IN AGRICULTURAL SCIENCE

Understanding the behaviour and improving the welfare of chickens

Edited by Professor Christine Nicol
Royal Veterinary College - University of London, UK



 burleigh dodds
SCIENCE PUBLISHING

AVAILABLE NOW

About the book

This book offers a comprehensive summary on the wealth of recent research completed on understanding chicken behaviour and discusses how best to use this rich body of knowledge to optimise welfare management of broilers and layers. It features expert insights into the use of wearable, video and acoustic technologies as a means of monitoring behaviour, as well as improving current welfare protocols.

About the editors

Dr Christine Nicol is Professor of Animal Welfare at the Royal Veterinary College - University of London, UK. Professor Nicol is internationally renowned for her research on poultry and equine welfare, for which she has received many awards.

Understanding the behaviour and improving the welfare of chickens

Available in print and digital formats:

ISBN - print 978-1-78676-422-5

Pages 688

Pub. Date September 2020

Price £170/\$220/€205/C\$290

Series No AS91

Order via our online bookshop at <https://bdspublishing.com>, your usual book supplier, or pass to your librarian.

Enquiries to info@bdspublishing.com

For a complete list of titles visit www.bdspublishing.com

T: +44 (0) 1223 839365

E: info@bdspublishing.com

www.bdspublishing.com

 @bdspublishing

 Burleigh Dodds Science Publishing

 burleigh dodds
SCIENCE PUBLISHING

Understanding the behaviour and improving the welfare of chickens

Edited by: Professor Christine Nicol, Royal Veterinary College – University of London, UK

Part 1 Behaviour

1. Advances in understanding the genetics of poultry behaviour: *Dominic Wright and Rie Henriksen, IFM Biology – Linköping University, Sweden*
2. Understanding the sensory perception of chickens: *Birte L. Nielsen, INRAE, France*
3. Understanding states of suffering with implications for improved management of poultry: *Ian J. H. Duncan, University of Guelph, Canada*
4. Understanding chicken learning and cognition and implications for improved management: *Rafael Freire, Charles Sturt University, Australia*
5. Understanding poultry social behaviour and its impact on animal welfare: *Inma Estevez, Neiker-Tecnalia Basque Institute for Agricultural Research and Development and IKERBASQUE, Basque Foundation for Science, Spain*
6. Poultry welfare monitoring: wearable technologies: *Dana L. M. Campbell, CSIRO, Australia; and Marisa A. Erasmus, Purdue University, USA*
7. Poultry welfare monitoring: group-level technologies: *Marian Stamp Dawkins and Elizabeth Rowe, University of Oxford, UK*
8. Improving welfare assessment indicators and protocols for poultry: *Linda Keeling, Swedish University of Agricultural Sciences, Sweden*
11. Welfare issues in poultry housing and management: broilers: *Ingrid C. de Jong, Wageningen Livestock Research, Wageningen University and Research, The Netherlands*
12. Welfare issues in poultry housing and management: laying hens: *Victoria Sandilands, Scotland's Rural College (SRUC), UK*
13. The role of perches in chicken welfare: *Lars Schrader and Julia Malchow, Institute of Animal Welfare and Animal Husbandry – Friedrich-Loeffler-Institut, Germany*
14. Improving welfare in catching and transport of chickens: *Leonie Jacobs, Virginia Tech, USA; and Frank A. M. Tuytens, Institute for Agricultural and Fisheries Research (ILVO) and Ghent University, Belgium*
15. Improving welfare in poultry slaughter: *Dorothy McKeegan, Institute of Biodiversity, Animal Health and Comparative Medicine, University of Glasgow, UK; and Jessica Martin, The Royal (Dick) School of Veterinary Studies and The Roslin Institute, University of Edinburgh, UK*
16. Cause and prevention of injurious pecking in chickens: *Nienke van Staaveren and Alexandra Harlander, University of Guelph, Canada*
17. Bone health and associated problems in layer hens: *Christina Rufener, University of California-Davis, USA; and Michael J. Toscano, University of Bern, Switzerland*

Part 2 Welfare issues in breeding, management and housing

9. Welfare issues affecting broiler breeders: *Anja Brinch Riber, Aarhus University, Denmark*
10. Opportunities to improve the welfare of young chickens: *Elske N. de Haas, Utrecht University, The Netherlands*
18. Poultry health monitoring and management: bone and skin health in broilers: *Gina Caplen, University of Bristol, UK*