World’s Poultry Science Journal
Published on behalf of The World’s Poultry Science Association

Editor
Lucy Waldron, LWT Animal Nutrition Ltd, New Zealand

World’s Poultry Science Journal provides authoritative reviews in poultry science and an international forum for the exchange and dissemination of information including research, education and industry organisation. Each issue includes poultry industry-related news, regional reports on global developments in poultry, reports from specialist scientific working groups, book reviews, association news and a calendar of forthcoming events.

Coverage includes breeding, nutrition, welfare, husbandry, production systems, processing, product development, physiology, egg and meat quality, industry structure, economics and education.

The journal is of interest to academics, researchers, students, extension workers and commercial poultry producers.

Submit your research online
http://mc.manuscriptcentral.com/wpsj

World’s Poultry Science Journal
is available online at:
http://journals.cambridge.org/wps

To subscribe contact
Customer Services
Americas:
Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email subscriptions_newyork@cambridge.org

Rest of world:
Phone +44 (0)1223 326070
Fax +44 (0)1223 325150
Email journals@cambridge.org

Free email alerts
Keep up-to-date with new content
http://journals.cambridge.org/wps-alerts

For free online content visit:
http://journals.cambridge.org/wpssample

https://doi.org/10.1017/S0021859615001392 Published online by Cambridge University Press
Go Mobile

CJO Mobile (CJOm) is a streamlined Cambridge Journals Online (CJO) for smartphones and other small mobile devices

- Use CJOm to access all journal content including *FirstView* articles which are published online ahead of print
- Access quickly and easily thanks to simplified design and low resolution images
- Register for content alerts or save searches and articles – they will be available on both CJO and CJOm
- Your device will be detected and automatically directed to CJOm via: journals.cambridge.org
CLIMATE CHANGE AND AGRICULTURE RESEARCH PAPERS

- Future distribution of cotton and wheat in Australia under potential climate change
  F. SHABANI AND B. KOTEY 175

- Response of grapevine phenology to recent temperature change and variability in the wine-producing area of Sremski Karlovci, Serbia
  M. RUML, N. KORAC, M. VUJADINOVIC, A. VUKOVIC AND D. VANIŠEVIĆ 186

- Simulating regional climate-adaptive field cropping with fuzzy logic management rules and genetic advance
  P. PARKER, J. INGWERSSEN, P. HÖGY, E. PRIESACK AND J. AUERSBACHER 207

- The effects of spatial variability of nitrous oxide emissions from grazed pastures on the sampling distribution of chamber measurements
  D.L. GILTRAP AND A.J.R. GODFREY 223

- Effects of nitrogen fertilizer and manure application on storage of carbon and nitrogen under continuous maize cropping in Arenosols and Luvisols of Zimbabwe
  L. MUJURU, L. RUSINAMHODZI, J. NYAMANGARA AND M.R. HOOSBEEK 242

CROPS AND SOILS RESEARCH PAPERS

- Exploring the supply and demand factors of varietal turnover in Indian wheat
  V.V. KRISHNA, D.J. SPIELMAN AND P.C. VEETIL 258

- Delineating site-specific management zones for precision agriculture
  H.U. FARD, A. BAKSHI, N. AHMAD, A. AHMAD AND Z. MAHMOOD-KHAN 273

- Lateral and depth patterns of soil organic carbon fractions in a mountain Mediterranean agrosystem
  L. QUIJANO, L. GASPAR AND A. NAVAS 287

- The yield response of oilseed rape to plant population density
  S.E. ROJUEYES AND P.M. BERRY 305

- Sensitive growth stages and temperature thresholds in wheat (Triticum aestivum L.) for index-based crop insurance in the Indo-Gangetic Plains of India

ANIMAL RESEARCH PAPERS

- Effect of cereal processing (grinding to 3.5 mm or dry-rolling) in maize- or barley-based high-concentrate diets on rumen environment of beef cattle during the late fattening period

- Production improvement through phosphorus fertilization and legume introduction in grazed native pastures of Uruguay
  A. DEL PINO, T. RODRÍGUEZ AND J. ANDIÓN 347

- Relationship between hatchability and non-destructive physical measurements of chicken eggs
  V.G. NARUSHIN, V.P. BOGATYR AND M.N. ROMANOV 359

Submit your paper online
http://mc.manuscriptcentral.com/jagricsci

Register to receive the latest news and content from the journal
http://journals.cambridge.org/ags-alerts