The Journal of Agricultural Science

SENIOR EDITORS
Dr. P. Bilson
University of Newcastle, School of Agriculture, Food & Rural Development, Newcastle upon Tyne NE1 7RU, UK
Prof. J. W. Wiseman
University of Nottingham, School of Biosciences, Sutton Bonnington Campus, Loughborough, Leicestershire LE12 5RD, UK

EDITORIAL BOARD
T. Arling, University of Pretoria, South Africa
B. Barka, Southern Cross University, Australia
R. Blutta, National Institute of Animal Nutrition and Physiology, India
S. Brittan, Agroscope Research Centre, Canada
G. Cantalapiedra, FRR / – IFRÉ, Saint-Germain-Champanelle, France
M. D. Crozier, US Dairy Forage Research Center, Madison, USA
S. Cezanne, ICARDA, France
E. Chernley, CSIRO, Australia
B. R. Cullis, University of Wollongong, Australia
W. Dandeniya, University of Peradeniya, Sri Lanka
J. DejanJE, Wageningen University, The Netherlands

SUBMISSIONS
The Journal has moved to electronic submission. Manuscripts should be uploaded to http://mc.manuscriptcentral.com/jagricsi. Double-blind refereing has also been adopted, therefore the authors' names, addresses and emails should be removed from the main document and uploaded as a title page in a separate file, tagged 'Not for Review.' Help is available on the website.

SUBSCRIPTIONS
The Journal of Agricultural Science (ISSN 0021-8596) is published ten times a year in January, March, April, May, July, August, September, October, November and December. Ten parts form a volume. The subscription price (excluding VAT) of Volume 155 (2017) (which includes delivery by air where appropriate, plus electronic access to institutional subscribers) is £1577 net (US $2626) in the USA, Canada and Mexico. The electronic only price available to institutional subscribers is £1022 ($1665) in USA, Canada and Mexico. Back issues are also available.

Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK; or in the USA, California, Journals Fulfillment Department, Cambridge University Press, 1 Liberty Plaza, Floor 20, New York, NY 10006, USA. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide VAT registration number.

INTERNET ACCESS
This journal can be found online at Cambridge Core (www.cambridge.org/core). For further information, please see www.cambridge.org/core/terms. To order permission to reproduce material from this publication, please visit copyright.com.

COPYING
No contents may be reproduced by any means without the permission of Cambridge University Press. This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA (www.copyright.com). Organizations in the USA who are also registered with the CCC may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to CCC. This consent does not extend to multiple copying for promotional or commercial purposes. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19106, USA, is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from the Cambridge or the American Branch of Cambridge University Press.

Printed in the UK by Bell & Bain Ltd., Glasgow.

Printed by the USA on 26/05/17 at 4:24 PM, subject to the Cambridge Core terms of use, available at https://www.cambridge.org/core/terms.

The new home of academic content
Climate Change and Agricultural Research Papers

- World climate suitability projections to 2050 and 2100 for growing oil palm
  R. R. M. PATERSON, L. KUMAR, F. SHABANI AND N. LIMA
  689

- Adapting to climate change for food security in the Rift Valley dry lands of Ethiopia: supplemental irrigation, plant density and sowing date
  703

- An evaluation of urea patch simulation methods for nitrous oxide emission measurement
  F. S. REMER, J. J. S. DUPLIN AND J. E. OLSEN
  725

- The long-term effect of climate change on productivity of winter wheat in Denmark: a scenario analysis using three crop models
  J. UNN, G. N. SHABANI AND B. R. DAVENPORT
  733

- Response of rice production to climate change based on self-adaptation in Fujian Province
  M. JIANG, J. C. SHI, Y. LIU AND Z. Q. JIN
  751

Crops and Soils Research Papers

- Stay-green characterization in Belgian forage maize
  J. DAWOOD, A. J. DAWOOD, J. VANDERCOUVER, V. VAN DER SLOOT, K. STERRE, M. C. VAN LANKER AND D. RUBEL
  766

- Triticum aestivum RWRK genes and drought stress
  Z. ZHANG, H. SHU, A. Y. ZHANG, B. L. LI, G. X. XIAO AND L. Z. LI
  777

- Identification and characterization of two faba bean (Vicia faba L. WRRXK) transcription factors and their expression analysis during salt and drought stress
  C. ZHANG, J. MAO, Q. ZHENG, M. S. ZHENG, M. S. ZHENG, M. X. CHEN, M. Y. CHEN, S. ZHENG AND M. ZHANG
  791

- Genotypic and environmental variability of yield from seven different crops in Croatian official variety trials and comparison with on-farm trends
  M. ZIVKOVIC, J. VULJACIC AND L. SIMIC
  804

- Statistical strategies for multiple testing in the safety evaluation of a genetically modified crop
  C. J. WALK AND Q. KANG
  812

Animal Research Papers

- Comparison of supplemental cobalt form on fibre digestion and cobalamin concentrations in cattle
  R. C. WATERMAN, W. W. LARSON, K. K. LARSON AND D. R. PETERSEN
  832

- Crude glycine as an alternative energy feedstuff for beef cattle grazing tropical pasture
  839

- Effect of increasing concentrations of total dissolved solids in drinking water on digestion, performance and water balance in hens
  847

Submit your paper online
mc.manuscriptcentral.com/jagricsci

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