



Life Sciences

Books and Journals from
Cambridge University Press

Cambridge is one of the leading publishers in ecology and conservation biology and publishes high quality texts and research across the breadth of the life sciences, focusing particularly on animal behaviour, biological anthropology, evolutionary biology, computational and systems biology, as well as statistics and professional development titles for biologists.

We also have an extensive portfolio of established journals in agriculture, ecology and conservation, and animal science.

For further details visit:
cambridge.org/core-life-sciences

**Cambridge
Core**

 CAMBRIDGE
UNIVERSITY PRESS

Cambridge Core

The new
home of
academic
content

cambridge.org/core

Cambridge **Core**



Cambridge Core

The new
home of
academic
content

cambridge.org/core

Cambridge Core

<https://doi.org/10.1017/S0021859616001064> Published online by Cambridge University Press



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CLIMATE CHANGE AND AGRICULTURE PAPERS

- Impact of projected mid-21st century climate and soil extrapolation on simulated spring wheat grain yield in Southeastern Norway
T. PERSSON AND S. KVÆRNØ 361
- Impact of projected mid-21st century climate and soil extrapolation on simulated spring wheat grain yield in south-eastern Norway - Erratum 378
- The challenges and opportunities for wheat production under future climate in Northern Ethiopia
A. ARAYA, I. KISEKKA, A. GIRMA, K. M. HADGU, F. N. TEGEBU, A. H. KASSA, H. R. FERREIRA-FILHO, N. E. BELTRÃO, A. AFEWERK, B. ABADI, Y. TSEHAYE, L. G. MARTORANO AND A. Z. ABRAHA 379
- Estimating crop water deficit during maize potential growth period and climatic sensitivity analysis in Northeast China, 1961–2010
B. C. LIU, Y. LIU, F. YANG, X. J. YANG AND W. BAI 394
- Assessing the impact of global warming on worldwide open field tomato cultivation through CSIRO-Mk3-0 global climate model
R. S. SILVA, L. KUMAR, F. SHABANI AND M. C. PICANÇO 407

CROPS AND SOILS RESEARCH PAPERS

- BANYULS genes from *Brassica juncea* and *Brassica nigra*: cloning, evolution, and involvement in seed coat colour
L. L. LIU, T. HUANG, S. P. DING, Y. WANG AND M. L. YAN 421
- Imazamox dissipation in two rice management systems
M. MILAN, A. FERRERO, S. FOGLIATTO, F. DE PALO AND F. VIDOTTO 431
- Genetic variation and combining abilities for vigour and yield in a recurrent selection programme for cacao
F. K. PADI, A. OFORI AND A. ARTHUR 444
- Phosphorus fertilizing potential of bagasse ash and rice husk ash in wheat-rice system on alkaline loamy sand soil
H. S. THIND, YADVINDER-SINGH, S. SHARMA, VARINDERPAL-SINGH, H. S. SRAN AND BIJAY-SINGH 465
- Response of wheat plants under post-anthesis stress induced by defoliation: II. Contribution of peduncle morpho-anatomical traits and carbon reserves to grain yield
D. DODIG, D. RANČIĆ, B. VUCELIĆ RADOVIĆ, M. ZORIĆ, J. SAVIĆ, V. KANDIĆ, I. PEĆINAR, S. STANOJEVIĆ, A. ŠEŠLIJA, D. VASSILEV AND S. PEKIĆ-QUARRIE 475

ANIMAL RESEARCH PAPERS

- The effects of three total mixed rations with different concentrate to maize silage ratios and different levels of microalgae *Chlorella vulgaris* on *in vitro* total gas, methane and carbon dioxide production
A. E. KHOLIF, M. M. Y. ELGHANDOUR, A. Z. M. SALEM, A. BARBABOSA, O. MÁRQUEZ AND N. E. ODONGO 494
- Dietary *Chlorella vulgaris* microalgae improves feed utilization, milk production and concentrations of conjugated linoleic acids in the milk of Damascus goats
A. E. KHOLIF, T. A. MORSY, O. H. MATLOUP, U. Y. ANELE, A. G. MOHAMED AND A. B. EL-SAYED 508
- Assessment of polymorphisms in myostatin gene and their allele substitution effects showed weak association with growth traits in Iranian Markhuz goats
K. KHANI, A. ABDOLMOHAMMADI, S. FOROUTANIFAR AND A. ZEBARJADI 519

Submit your paper online

mc.manuscriptcentral.com/jagricsci

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

Cambridge Core

For further information about this journal
please go to the journal web site at:
cambridge.org/ags

<https://doi.org/10.1017/S0021859616001064> Published online by Cambridge University Press



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS