# **Bulletin of** *Entomological Research*

Volume 111, 2021 ISSN: 0007–4853

USA

# Publishing, Production, Marketing, and

Subscription Sales Office: Cambridge University Press UPH Shaftesbury Road Cambridge CB2 8BS

#### For Customers in North America:

Cambridge University Press Journals Fulfillment Dept 1 Liberty Plaza, Floor 20 New York NY 10006 USA

**Bulletin of Entomological Research** is an international journal published bimonthly by Cambridge University Press in February, April, June, August, October and December.

#### Subscription information:

The subscription rates for Volume 111, 2021 (6 issues): Print and electronic access: £1689 (UK), (USA, Canada and Mexico US \$2872)

Electronic-only price: £1253 (UK), (USA, Canada and Mexico US \$2133) The online edition is available at www.journals.cambridge.org/ber with free table of contents alert (upon registration).

Any supplements to this journal published in the course of the annual volume are normally supplied to subscribers at no extra charge.

Back Volumes are available. Please contact Cambridge University Press for further information.

Claims for non-receipt of journal issues will be considered on their merit and only if the claim is received within six months of publication. Replacement copies supplied after this date will be chargeable.

US Postmasters: please send address corrections to Bulletin of Entomological Research
Cambridge University Press
1 Liberty Plaza, Floor 20
New York
NY 10006

#### Information for Authors

Manuscripts should be submitted online at http:// www.editorialmanager.com/ber. New users should register before submitting a manuscript. Further information about submission is available from the publisher at the given address and is printed on the inside back cover.

**Offprints:** The author (ormain author) of an accepted paper will receive a free PDF of their paper. Paper offprints are available for a fee and should be ordered at proof stage. No page charges are levied by this journal.

Copying: This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organisations in the USA who are registered with the CCC may therefore copy material (beyond the limits permitted by sections 107 and 108 of USA copyright law) subject to payment to the CCC of the per copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0007–4853/2021/\$16.00. Organisations authorised by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission must be sought from Cambridge or the American Branch of Cambridge University Press.

**Disclaimer:** The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable, but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

Cambridge University Press does not accept responsibility for any trade advertisement included in this publication.

### **INSTRUCTIONS FOR AUTHORS**

Please find these at: https://www.cambridge.org/core/journals/bulletin-of-entomological-research/information/instructions-contributors

Typeset by Nova Techset Private Limited, Chennai, India. Printed in Great Britain by Bell & Bain Ltd, Glasgow.

# Entomological Research

Volume 111 Issue 6 December 2021

# Research Papers

Lvquan Zhao, Wei Wang, Ying Qiu and Alex S. Torson Plasticity of nutrient accumulation patterns in diapausing fall webworm pupae	637
<b>Thomas Enriquez, Fabiana Sassù, Carlos Cáceres and Hervé Colinet</b> Hypoxia combined with chilling maintains the quality of irradiated <i>Drosophila</i> flies: a simulated shipment experiment	64
<b>G. Kinyanjui</b> , <b>F. M. Khamis</b> , <b>F. L. O. Ombura</b> , <b>E. U. Kenya</b> , <b>S. Ekesi and S. A. Mohamed</b> Distribution, abundance and natural enemies of the invasive tomato leafminer, <i>Tuta absoluta</i> (Meyrick) in Kenya	658
P. T. Nascimento, M. A. M. Fadini, M. S. Rocha, C. S. F. Souza, B. A. Barros, J. O. F. Melo, R. G. Von Pinho and F. H. Valicente Olfactory response of <i>Trichogramma pretiosum</i> (Hymenoptera: Trichogrammatidae) to volatiles induced by transgenic maize	674
Agrin Davari, Bruce L. Parker, Cheryl Frank Sullivan, Arash Ghalehgolabbehbahani and Margaret Skinner	
Biological control of Western flower thrips, <i>Frankliniella occidentalis</i> using a self-sustaining granular fungal treatment	688
Madelena De Ro, Thomas Enriquez, Jochem Bonte, Negin Ebrahimi, Hans Casteels, Patrick De Clercq and Hervé Colinet Effect of starvation on the cold tolerance of adult <i>Drosophila suzukii</i> (Diptera: Drosophilidae)	694
<b>Jie Zeng, Li-Li Mu, Lin Jin, Ahmad Ali Anjum and Guo-Qing Li</b> RNAi of vacuolar-type H <sup>+</sup> -ATPase genes causes growth delay and molting defect in <i>Henosepilachna vigintioctopunctata</i>	705
Motahareh Amiri Domari, Seyed Mozaffar Mansouri and Mohsen Mehrparvar Previous herbivory modulates aphid population growth and plant defense responses in a non-model plant, Carthamus tinctorius (Asteraceae)	715
<b>Silvia Mátray and Annette Herz</b> Do floral resources affect fitness of adult <i>Cydia pomonella</i> (Linnaeus 1758) (Lepidoptera: Tortricidae)?	720
Laura Verónica Mena-Mociño, Samuel Pineda, Ana Mabel Martínez, Luis Jesús Palma-Castillo, Benjamín Gómez-Ramos, Elisa Viñuela and José Isaac Figueroa  Effects of sex ratio on different biological parameters of <i>Engytatus varians</i> (Distant) (Hemiptera: Miridae) adults and their offspring: prey preference for <i>Bactericera cockerelli</i> (Sulcer) (Hemiptera: Triozidae)	733
Jade A. Hemsley and John M. Holland Does the non-native Harlequin ladybird disrupt the feeding behaviour of the native two-spot ladybird?	743
<b>Pablo C. Colombo, Mónica Zelarayán, M. Celeste Franceschini and M. Isabel Remis</b> Spatial population structure: patterns of adaptation in populations of the water hyacinth grasshopper <i>Cornops aquaticum</i> (Bruner 1906)	740
Marco A. Cabrera-Brandt, Amalia Kati, María E. Rubio-Meléndez, Christian C. Figueroa and Eduardo Fuentes-Contreras	
Changes in the genetic composition of <i>Myzus persicae nicotianae</i> populations in Chile and frequency of insecticide resistance mutations	759
Corrigendum	
Carmen Denis, Jordi Riudavets, Rosa Gabarra, Paula Molina and Judit Arnó	

## **Cambridge Core**

For further information about this journal please go to the journal website at: cambridge.org/ber

orchards-CORRIGENDUM



Selection of insectary plants for the conservation of biological control agents of aphids and thrips in fruit

MIX
Paper from
responsible sources
FSC® C007785



768