

Bulletin of Entomological Research

Volume 111, 2021

ISSN: 0007-4853

Publishing, Production, Marketing, and

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

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.

INSTRUCTIONS FOR AUTHORS

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

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

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 (or main 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.

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

**Bulletin of
Entomological
Research**

**Volume 111
Issue 3
June 2021**

Research Papers

Ivana F. da Silva, Edson Luiz L. Baldin, Alexandre Specht, Vânia F. Roque-Specht, Rafaela Morando, Juaci V. Malaquias and Silvana V. Paula-Moraes	
Role of nutritional composition in the development and survival of <i>Helicoverpa armigera</i> (Hübner) (Lepidoptera: Noctuidae) on artificial diet and natural hosts	257
Miaomiao Tian, Yayun Xia, Ducheng Cai, Jianjun Mao and Shuping Luo	
Proteomic investigation of <i>Peristenus spretus</i> ovary and characterization of an ovary-enriched heat shock protein	270
Dominic D. Reisig, Don Cook, Jeremy K. Greene, Michael Caprio, Jeff Gore, Fred Musser and Francis Reay-Jones	
Vertical and temporal distribution of <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae) larvae in determinate and indeterminate soybean	282
Leonela Olivera, Eugenia Minghetti and Sara I. Montemayor	
Ecological niche modeling (ENM) of <i>Leptoglossus clypealis</i> a new potential global invader: following in the footsteps of <i>Leptoglossus occidentalis</i> ?	289
P. G. Milonas, G. Partsinevelos and A. Kapranas	
Susceptibility of different developmental stages of <i>Trichogramma</i> parasitoids to insecticides commonly used in the Mediterranean olive agroecosystem	301
D. Gil-Tapetado, F.J. Cabrero-Sañudo, J.F. Gómez, R.R. Askew and J.L. Nieves-Aldrey	
Differences in native and introduced chalcid parasitoid communities recruited by the invasive chestnut pest <i>Dryocosmus kuriphilus</i> in two Iberian territories	307
Raúl E. Campos, Gabriela Zanotti, Cristian M. Di Battista, Javier O. Gimenez and Sylvia Fischer	
Differential inhibition of egg hatching in <i>Aedes aegypti</i> populations from localities with different winter conditions	323
Naeem Iqbal, Abid Mahmood Alvi, Mujahid Hussain, Shafqat Saeed, Unsar Naeem-Ullah, Alamgir A. Khan and Allah Ditta Abid	
Foraging behavior and bait station preference in scavenging termite, <i>Odontotermes obesus</i> (Blattodea: Termitidae)	331
G.A. Bezanson, C.D. Dovell and K.D. Floate	
Changes in the recovery of insects in pitfall traps associated with the age of cow dung bait fresh or frozen at the time of placement	340
Ivana Lemos Souza, Hágabo Honorato de Paulo, Érica Ayumi Taguti and Nilza Maria Martinelli	
Bioecology of <i>Anagyrus saccharicola</i> (Hymenoptera: Encyrtidae), a parasitoid of the pink sugarcane mealybug <i>Saccharicoccus sacchari</i> (Hemiptera: Pseudococcidae)	348
Zarir Saeidi and Mehdi Raeesi	
Integration of resistant variety and biological agent to control tomato leaf miner, <i>Tuta absoluta</i> (Meyrick), under greenhouse conditions	357
Dunyan Huang, Ruomei Kou, Michael C. Orr, Hongying Li, Feiyue Dou and Chaodong Zhu	
Comparison of two criteria on the essential number calculation of <i>Andrena camelliae</i>	364
Ting Jiang, Yulin Zhu, Yingchuan Peng, Wanna Zhang and Haijun Xiao	
Universal and differential transcriptional regulatory pathways involved in the preparation of summer and winter diapauses in <i>Pieris melete</i>	371
Ioannis Livadaras, Venetia Koidou, Eugenia Pitsili, Julietta Moustaka, John Vontas and Inga Siden-Kiamos	
Stably inherited transfer of the bacterial symbiont <i>Candidatus Erwinia dacicola</i> from wild olive fruit flies <i>Bactrocera oleae</i> to a laboratory strain	379

Cambridge Core

For further information about this journal

please go to the journal website at:

cambridge.org/ber



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS