

# BioControl

## Journal of the International Organization for Biological Control

Volume 63 · Number 1 · February 2018

Special Issue: **Biological Control: Achievements and Opportunities**

Guest Editors: Jacques Brodeur · Russell Messing

**Current challenges to the implementation of classical biological control**

R. Messing · J. Brodeur 1

**Trends in biological control: public interest, international networking and research direction**

J. Brodeur · P.K. Abram · G.E. Heimpel · R.H. Messing 11

**Shifting paradigms in the history of classical biological control**

G.E. Heimpel · M.J.W. Cock 27

**Biological control using invertebrates and microorganisms: plenty of new opportunities**

J.C. van Lenteren · K. Bolckmans · J. Köhl · W.J. Ravensberg · A. Urbaneja 39

**Biological control of human disease vectors: a perspective on challenges and opportunities**

M.B. Thomas 61

**A review of the integration of classical biological control with other techniques to manage invasive weeds in natural areas and rangelands**

E.C. Lake · C.R. Minter 71

**Theoretical contributions to biological control success**

P.B. McEvoy 87

**Evolution of biological control agents following introduction to new environments**

M.G. Wright · G.M. Bennett 105

**A baseline study using Plantwise information to assess the contribution of extension services to the uptake of augmentative biological control in selected low- to lower- middle- income countries**

J. Dougoud · M.J.W. Cock · S. Edgington · U. Kuhlmann 117

**Maximizing farm-level uptake and diffusion of biological control innovations in today's digital era**

K.A.G. Wyckhuys · J.W. Bentley · R. Lie · L.T.P. Nghiem · M. Fredrix 133

**Best practices for the use and exchange of invertebrate biological control genetic resources relevant for food and agriculture**

P.G. Mason · M.J.W. Cock · B.I.P. Barratt · J.N. Klapwijk · J.C. van Lenteren · J. Brodeur · K.A. Hoelmer · G.E. Heimpel 149

**The status of biological control and recommendations for improving uptake for the future**

B.I.P. Barratt · V.C. Moran · F. Bigler · J.C. van Lenteren 155