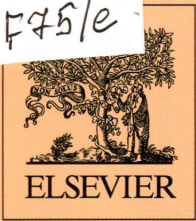


FM
F45/e

Volume 333, 1 December 2014

ISSN 0378-1127



Forest Ecology and Management



Special Issue
Global Forest Genetic Resources: Taking Stock

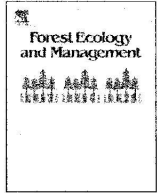
Guest Editors
Judy Loo, Oudara Souvannavong and Ian Dawson



ELSEVIER

Contents lists available at ScienceDirect

Forest Ecology and Management

journal homepage: www.elsevier.com/locate/foreco

Contents

Special Issue: Global Forest Genetic Resources: Taking Stock

Seeing the trees as well as the forest: The importance of managing forest genetic resources J. Loo, O. Souvannavong (Rome, Italy) and I.K. Dawson (Nairobi, Kenya)	1
The management of tree genetic resources and the livelihoods of rural communities in the tropics: Non-timber forest products, smallholder agroforestry practices and tree commodity crops I.K. Dawson (Nairobi, Kenya), R. Leakey (Cairns, Australia; West Sussex, UK), C.R. Clement (Manaus, Brazil), J.C. Weber (Bamako, Mali), J.P. Cornelius (Cairns, Australia; Lima, Peru), J.M. Roshetko (Bogor, Indonesia), B. Vinceti (Rome, Italy), A. Kalinganire (Bamako, Mali), Z. Tchoundjeu (Yaoundé, Cameroon), E. Masters (Bamako, Mali) and R. Jamnadass (Nairobi, Kenya)	9
Utilization and transfer of forest genetic resources: A global review J. Koskela, B. Vinceti (Rome, Italy), W. Dvorak (Raleigh, USA), D. Bush (Canberra, Australia), I.K. Dawson (Nairobi, Kenya), J. Loo (Rome, Italy), E.D. Kjaer (Copenhagen, Denmark), C. Navarro (Pedasí, Panama), C. Padolina (Suva, Fiji), S. Bordács (Budapest, Hungary), R. Jamnadass (Nairobi, Kenya), L. Gaudal (Copenhagen, Denmark; Nairobi, Kenya) and L. Ramamonjisoa (Antanarivo, Madagascar)	22
Global to local genetic diversity indicators of evolutionary potential in tree species within and outside forests L. Gaudal (Copenhagen, Denmark; Nairobi, Kenya), F. Aravanopoulos (Thessalonica, Greece), Z. Bennadji (Tacuarembó, Uruguay), S. Changtragoon (Bangkok, Thailand), B. Fady (Avignon, France), E.D. Kjær (Copenhagen, Denmark), J. Loo (Rome, Italy), L. Ramamonjisoa (Antanarivo, Madagascar) and G.G. Vendramin (Florence, Italy)	35
Genetic effects of forest management practices: Global synthesis and perspectives Wickneswari Ratnam (Bangi, Malaysia), O.P. Rajora (Fredericton, Canada), R. Finkeldey (Göttingen, Germany), F. Aravanopoulos (Thessalonica, Greece), J.-M. Bouvet (Montpellier, France), R.E. Vaillancourt (Hobart, Australia), M. Kanashiro (Belem, Brazil), B. Fady (Avignon, France), M. Tomita (Sapporo, Japan) and C. Vinson (Brasilia, Brazil)	52
Genetic considerations in ecosystem restoration using native tree species E. Thomas, R. Jalonen, J. Loo (Rome, Italy), D. Boshier (Rome, Italy; Oxford, UK), L. Gallo (Rome, Italy; Bariloche, Argentina), S. Cavers (Midlothian, UK), S. Bordács (Budapest, Hungary), P. Smith (Kew, UK) and M. Bozzano (Rome, Italy)	66
The role of forest genetic resources in responding to biotic and abiotic factors in the context of anthropogenic climate change R.I. Alfaro (Victoria, Canada), B. Fady (Avignon, France), G.G. Vendramin (Florence, Italy), I.K. Dawson (Nairobi, Kenya), R.A. Fleming (Victoria, Canada), C. Sáenz-Romero, R.A. Lindig-Cisneros (Morelia, Mexico), T. Murdock (Victoria, Canada), B. Vinceti (Rome, Italy), C.M. Navarro (Pedasí, Panamá), T. Skrøppa (Ås, Norway), G. Baldinelli (London, UK), Y.A. El-Kassaby (Vancouver, Canada) and J. Loo (Rome, Italy)	76
Innovative approaches to the preservation of forest trees H.W. Pritchard, J.F. Moat (Kew, UK), J.B.S. Ferraz (Manaus, Brazil), T.R. Marks (Kew, UK), J.L.C. Camargo (Manaus, Brazil), J. Nadarajan (Kew, UK) and I.D.K. Ferraz (Manaus, Brazil)	88