

Contents continued

M.A. Whitecross, E.T.F. Witkowski and S. Archibald (South Africa) No two are the same: Assessing variability in broad-leaved savanna tree phenology, with watering, from 2012 to 2014 at Nylsvley, South Africa	123
U. Taukoorah (Mauritius), N. Lall (South Africa) and F. Mahomoodally (Mauritius) <i>Piper betle</i> L. (betel quid) shows bacteriostatic, additive, and synergistic antimicrobial action when combined with conventional antibiotics	133
S.L. Magoswana, J.S. Boatwright, J.C. Manning and A.R. Magee (South Africa) A taxonomic revision of <i>Inulanthera</i> (Asteraceae: Anthemideae)	141
M. Gryzenhout, B. Khoosa and L. Landman (South Africa) First report of <i>Fusarium boothii</i> from pecan (<i>Carya illinoensis</i>) and camel thorn (<i>Vachellia erioloba</i>) trees in South Africa	158
A.M.S. Soares, J.T.A. Oliveira, D.M.F. Gondim, D.P. Domingues, O.L.T. Machado and T. Jacinto (Brazil) Assessment of stress-related enzymes in response to either exogenous salicylic acid or methyl jasmonate in <i>Jatropha curcas</i> L. leaves, an attractive plant to produce biofuel	163
A. Ali, M.M. Ahmad (India), M.A. Khan (USA), A.A. Ganai, U. Kiran, A. Prakash, Md.I. Hassan, P. Saxena, S. Khan, S. Ahlawat and M.Z. Abdin (India) Computational characterization and <i>in vivo</i> expression of squalene synthase gene in different tissues of <i>Artemisia annua</i> L. plants	169
N.G. Bergh and R.J. McKenzie (South Africa) A revision of <i>Heterolepis</i> Cass. (Asteraceae: Cichorioideae)	194
A. Krupek, M. Gaertner, P.M. Holmes and K.J. Esler (South Africa) Assessment of post-burn removal methods for <i>Acacia saligna</i> in Cape Flats Sand Fynbos, with consideration of indigenous plant recovery	211
S. Ullah, Z. Kolo, I. Egbichi, M. Keyster and N. Ludidi (South Africa) Nitric oxide influences glycine betaine content and ascorbate peroxidase activity in maize	218
D. AntoniĆ, S. Milošević, A. Cingel, M. Lojić, M. Trifunović-Momčilov, M. Petri, A. Subotić and A. Simonović (Serbia) Effects of exogenous salicylic acid on <i>Impatiens walleriana</i> L. grown <i>in vitro</i> under polyethylene glycol-imposed drought	226
O. Toumatia (Algeria), S. Compant (Austria), A. Yekkour, Y. Goudjal, N. Sabaou (Algeria), F. Mathieu (France), A. Sessitsch (Austria) and A. Zitouni (Algeria) Biocontrol and plant growth promoting properties of <i>Streptomyces mutabilis</i> strain IA1 isolated from a Saharan soil on wheat seedlings and visualization of its niches of colonization	234
N. Ghezal, I. Rinez, H. Sbai, I. Saad (Tunisia), M. Farooq (Pakistan, Australia), A. Rinez, I. Zribi and R. Haouala (Tunisia) Improvement of <i>Pisum sativum</i> salt stress tolerance by bio-priming their seeds using <i>Typha angustifolia</i> leaves aqueous extract	240
N.M. Elguindy, G.A. Yacout, E.F. El Azab and H.K. Maghraby (Egypt) Chemoprotective Effect of <i>Elettaria Cardamomum</i> against Chemically induced Hepatocellular Carcinoma in Rats by Inhibiting NF-κB, Oxidative Stress, and Activity of Ornithine Decarboxylase	251
T.M. Mokořmela, C.T. Downs, K. Esler and J. Knight (South Africa) Seed dispersal effectiveness: A comparison of four bird species feeding on seeds of invasive <i>Acacia cyclops</i> in South Africa	259
S. Sabiu and A.O.T. Ashafa (South Africa) Membrane stabilization and kinetics of carbohydrate metabolizing enzymes (α -amylase and α -glucosidase) inhibitory potentials of <i>Eucalyptus obliqua</i> L.Her. (Myrtaceae) Blakely ethanolic leaf extract: An <i>in vitro</i> assessment	264
V.F. Suguiyama, R.F.E. Sanches, S.T. Meirelles, D.C. Centeno, E.A. da Silva and M.R. Braga (Brasil) Physiological responses to water deficit and changes in leaf cell wall composition as modulated by seasonality in the Brazilian resurrection plant <i>Barbacenia purpurea</i>	270
J. Zhang, J. Liu, C. Yang, S. Du and W. Yang (China) Photosynthetic performance of soybean plants to water deficit under high and low light intensity	279
J.-H. Keet, D.D. Cindi and P.J. du Preez (South Africa) Assessing the invasiveness of <i>Berberis aristata</i> and <i>B. julianae</i> (Berberidaceae) in South Africa: Management options and legal recommendations	288
P.T. Madeira (United States), M.P. Hill (South Africa), F.A. Dray Jr. (United States), J.A. Coetzee, I.D. Paterson (South Africa) and P.W. Tipping (United States) Molecular identification of <i>Azolla</i> invasions in Africa: The <i>Azolla</i> specialist, <i>Stenopelmus rufinasus</i> proves to be an excellent taxonomist	299
K. Taibi (Algeria, Spain), F. Taibi, L. Ait Abderrahim (Algeria), A. Ennajah (Tunisia), M. Belkhdja (Algeria) and J.M. Mulet (Spain) Effect of salt stress on growth, chlorophyll content, lipid peroxidation and antioxidant defence systems in <i>Phaseolus vulgaris</i> L.	306
J.C. Manning and A. le Roux (South Africa) <i>Pelargonium conradiae</i> (Geraniaceae), a new species in section <i>Ligularia</i> from Worcester, Western Cape, South Africa	313

Contents continued

M. Greve (Denmark, South Africa), A.M. Lykke (Denmark), C.W. Fagg (Brazil), R.E. Gereau (USA), G.P. Lewis, R. Marchant, A.R. Marshall (UK), J. Ndayishimiye (Belgium, Burundi), J. Bogaert (Belgium) and J.-C. Svenning (Denmark) Realising the potential of herbarium records for conservation biology	317
N.S. Adigun, A.T. Oladiji and T.O. Ajiboye (Nigeria) Antioxidant and anti-hyperlipidemic activity of hydroethanolic seed extract of <i>Aframomum melegueta</i> K. Schum in triton x-100 induced hyperlipidemic rats . . .	324
M.D. Cheek (South Africa) and J.C. Semple (Canada) First official record of naturalised populations of <i>Solidago altissima</i> L. var. <i>pluricephala</i> M.C. Johnst. (Asteraceae: Astereae) in Africa	333
S.O. Oyedemi (South Africa), B.O. Oyedemi, J.M. Prieto (United Kingdom), R.M. Cooposamy (South Africa), P. Stapleton and S. Gibbons (United Kingdom) In vitro assessment of antibiotic-resistance reversal of a methanol extract from <i>Rosa canina</i> L.	337