

INDEX

Arboriculture & Urban Forestry Volume 43, 2017

- Acacia spp.**
bark patch grafting for wound closure, 186
- Acer spp. (maple)**
effects of container retention and root pruning at planting, 27
- Adams, Gerard C. *see* Griffin, Jason J.
- aphids**
and reduced-risk insecticides, 242
- arborvitae (*Thuja* spp.)**
relative susceptibility to arborvitae leafminer, 205
- ash borers, emerald**
tools for staging, managing, 15
- Australia**
bark patch grafting for wound closure, 186
- Ayuga-Téllez, Esperanza. *see* Sánchez-Medina, Alvaro
- bagworm, evergreen**
and reduced-risk insecticides, 242
- Banksia spp.**
bark patch grafting for wound closure, 186
- Bassuk, Nina. *see* Cowett, F.D.
- bees**
and reduced-risk insecticides, 242
- beetle, Japanese**
and reduced-risk insecticides, 242
- Betula spp. (poplar)**
tree species as tool for biomonitoring and phytoremediation, 155
- biomechanics**
static load tests, 89
- biomonitoring**
tree species as tool in urban environment, 155
- black locust (*Robinia* spp.)**
tree species as tool for biomonitoring and phytoremediation, 155
- book reviews**
The Illustrated Encyclopedia of Trees, second edition, 83
- borers, emerald ash**
tools for staging, managing, 15
- boxwood (*Buxus* spp.)**
and reduced-risk insecticides, 242
Broschat, T.K. *see* Elliott, Monica L.
- Buxus spp. (boxwood)**
and reduced-risk insecticides, 242
Carpenter, Aaron. *see* Dahle, Gregory
Cash, Christian R. *see* Griffin, Jason J.
Chastagner, Gary. *see* Griffin, Jason J.
- chlorantraniliprole, 242**
- climate change**
effect of dormancy and temperature on modulus of elasticity, 49
- Colorado, U.S.**
crown dieback and water status in *Populus*, 173
- container stock**
effect of retention time, 27
Contato-Carol, Lucrecia. *see* Sánchez-Medina, Alvaro
- cottonwood (*Populus* spp.)**
water status and crown dieback, 173
Cowett, F.D. (and N. Bassuk), Street tree diversity in three northeastern U.S. states, 1
- crown dieback**
and water status in *Populus*, 173
Dadea, Claudia (and A. Russo, M. Tagliavini, T. Mimmo, and S. Zerbe), Tree species as tools for biomonitoring and phytoremediation in urban environments: A review with special regard to heavy metals, 155
Dahle, Gregory (and A. Carpenter, D. DeVallance, and M. Zhou), Does modulus of elasticity vary due to dormancy and temperature? 49
Dahle, Gregory (and K.R. James, B. Kane, J.C. Grabosky, and A. Detter), A review of factors that affect the static load-bearing capacity of urban trees, 89
Danielson, Donna. *see* Miller, Fredric
- decay**
static load tests, 89
Detter, Andreas. *see* Dahle, Gregory
DeVallance, David. *see* Dahle, Gregory
- diversity indices**
street trees, 1
- dormancy**
effect on modulus of elasticity, 49
- Dutch elm disease**
advances in understanding, 217
- economics**
and tree preservation, 55
Elliott, Monica L. (and T.K. Broschat), Uptake, movement, and persistence of fungicides in mature coconut palms in Florida, U.S., 133
- elm (*Ulmus* spp.)**
effects of container retention and root pruning at planting, 27
revisited, 217
ten years of National Elm Test, 107
- elm bark beetle**
advances in understanding, 217
- elm yellows**
advances in understanding, 217
- emerald ash borer**
tools for staging, managing, 15
Escobedo, Francisco J. *see* Ponce-Donosco, Mauricio
Etemadi, Nematollah (and R.M. Nezhad), Production method and humic acid application affect hardening-off process and landscape performance of *Platycladus orientalis* in arid climate, 144
- Eucalyptus spp.**
bark patch grafting for wound closure, 186
- fungicide**
uptake, movement, and persistence in coconut palm, 133
Gauthier, Nicole Ward. *see* Griffin, Jason J.
- germplasm storage, 217**
Gilman, Edward F. (and M. Paz and C. Harchick), Effects of retention time in nursery containers and root pruning at planting on landscape establishment and anchorage of three tree taxa, 27
Ginzel, Matthew D. *see* Sadof, Clifford S.
Gleason, Mark L. *see* Griffin, Jason J.
González-García, Concepción. *see* Sánchez-Medina, Alvaro
Goodrich, Betsy A. *see* Jacobi, William R.
Gould, Ann Brooks. *see* Griffin, Jason J.

- Grabowsky, Jason C. *see* Dahle, Gregory
- grafting**
bark patch, 186
- Grande-Ortiz, M. Ángeles. *see* Sánchez-Medina, Alvaro
- Griffin, Jason J. (and W. Jacobi, E. McPherson, C. Sadof, J. McKenna, M. Gleason, N. Gauthier, D. Potter, D. Smitley, G. Adams, A. Gould, C. Cash, J. Walla, M. Starrett, G. Chastagner, J. Sibley, V. Krischik, and A. Newby), Ten-year performance of the United States National Elm Trial, 107
- growth regulators**
fine root growth response to soil-added, 38
- Harchick, Chris. *see* Gilman, Edward F.
- hardening off**
effect of production method and humic acid application, 144
- heavy metals**
tree species as tool for biomonitoring and phytoremediation, 155
- hemlock woolly adelgid**
subnivean survival in New England, 199
- Hewitt, Angela. *see* Watson, Gary
- Hexter, Kathryn W. *see* Kellogg, Wendy
- Hughes, Gabriel P. *see* Sadof, Clifford S.
- humic acid**
effect on hardening off and landscape performance in thuja, 144
- insecticides**
reduced-risk, 242
- Jacobi, William R. (and R.D. Koski, and B.A. Goodrich), Long-term fluctuations in water status and crown dieback of plains cottonwood trees, 173
see also Griffin, Jason J.
- James, Kenneth R. *see* Dahle, Gregory
- Japanese beetle**
and reduced-risk insecticides, 242
- Kane, Brian, Breaking load of hitches and ropes used in rigging. *see* Dahle, Gregory
- Kellogg, Wendy (and B. Mikelbank, R. Laverne, and K.W. Hexter), The economic value of tree preservation in a weak land development market region, 55
- Koski, Ronda D. *see* Jacobi, William R.
- Krischik, Vera A. *see* Griffin, Jason J.
- lace bug, hawthorn**
and reduced-risk insecticides, 241
- Laverne, Robert. *see* Kellogg, Wendy
- leafminer**
arborvitae, 205
boxwood, 242
- linden (*Tilia* spp.)**
tree species as tool for biomonitoring and phytoremediation, 155
- Magnolia**
effects of container retention and root pruning at planting, 27
- maple (*Acer* spp.)**
effects of container retention and root pruning at planting, 27
- Marcotrigiano, Michael, Elms revisited, 217
- Mausel, David L., Subnivean survival of hemlock woolly adelgid (*Adelges tsugae*) in New England, 199
- McGarry, P.G. *see* Moore, G.M.
- McKenna, James R. *see* Griffin, Jason J.
- McPherson, E. Gregory. *see* Griffin, Jason J.
- Mikelbank, Brian. *see* Kellogg, Wendy
- Miller, Fredric (and D. Danielson), Relative susceptibility among arborvitae cultivars to arborvitae leafminer, *Argyresthia thuarella* (Lepidoptera: Argyresthiidae), 205
- Mimmo, Tanja. *see* Dadea, Claudia
- models**
ash tree decline, 15
- modulus of elasticity**
effect of dormancy and temperature, 49
static load tests, 89
- modulus of rupture**
static load tests, 89
- Moore, G.M. (and P.G. McGarry), Investigation of the potential for bark patch grafting to facilitate tree wound closure in arboricultural management practice, 186
- Nehad, Rezvan Mohammadi. *see* Etemadi, Nematollah
- Nerium spp. (oleander)**
and reduced-risk insecticides, 242
- New Jersey, U.S.**
street trees diversity, 1
- New York, U.S.**
street trees diversity, 1
- Newby, Adam F. *see* Griffin, Jason J.
- nitrogen**
fine root growth response to soil-added, 38
- nursery stock**
effect of retention time in containers, 27
effect production method on hardening off and landscape performance in thuja, 144
- oak (*Quercus* spp.)**
bark patch grafting for wound closure, 186
effect of dormancy and temperature on modulus of elasticity, 49
- Ohio, U.S.**
economics of tree preservation, 55
- oleander (*Nerium* spp.)**
and reduced-risk insecticides, 242
- ornamentals, woody**
and reduced-risk insecticides, 242
- paclobutrazol**
fine root growth response to soil-added, 38
- palm, coconut**
uptake, movement, and persistence of fungicides, 133
- Paz, Maria. *see* Gilman, Edward F.
- Pennsylvania, U.S.**
street trees diversity, 1
- pests and pest control.** *see names of specific pests*
- Peterson, Donnie J. *see* Sadof, Clifford S.
- phytoremediation**
tree species as tool in urban environment, 155
- Pinus spp. (pine)**
bark patch grafting for wound closure, 186
- Platanus spp. (sycamore)**
bark patch grafting for wound closure, 186
- Platyclusus spp. (thuja)**
effect of production method and humic acid application, 144
- pollinators**
and reduced-risk insecticides, 242
- Ponce-Donosco, Mauricio (and Ó. Vallejos-Barra and F.J. Escobedo), Appraisal of urban trees using twelve valuation formulas and two appraiser groups, 72
- poplar (*Betula* spp.)**
tree species as tool for biomonitoring and phytoremediation, 155
- Populus spp. (cottonwood)**
water status and crown dieback, 173
- Potter, Daniel A. *see* Griffin, Jason J.; Redmond, Carl T.
- psyllid, boxwood, 242**
- Quercus spp. (oak)**
bark patch grafting for wound closure, 186
effect of dormancy and temperature on modulus of elasticity, 49
- Redmond, Carl T. (and D.A. Potter), Chlorantraniliprole: Reduced-risk insecticide for controlling insect pests of woody ornamentals with low hazard to bees, 242
- Robinia spp. (black locust)**
tree species as tool for biomonitoring and phytoremediation, 155
- root pruning**
effect of at planting, 27

roots

fine root growth response to soil-added N and paclobutrazol, 38

roseslug

and reduced-risk insecticides, 242

Russo, Alessio. *see* Dadea, Claudia

Sadof, Clifford S. (and G.P. Hughes, A.R. Witte, D.J. Peterson, and M.D. Ginzel), Tools for staging and managing emerald ash borer in the urban forest, 15

see also Griffin, Jason J.

Sánchez-Medina, Alvaro (and E. Ayuga-Téllez, L. Contato-Carol, M.Á. Grande-Ortiz, and C. González-García), Selection of tree-size variables for appraisal methods for urban trees according to their collinearity, 121

scale (insect)

and reduced-risk insecticides, 242

Serbe, Stefan. *see* Dadea, Claudia

Sibley, Jeff L. *see* Griffin, Jason J.

Smitley, David R. *see* Griffin, Jason J.

Starrett, Mark C. *see* Griffin, Jason J.

static loads tests, 89**street trees**

diversity in northeastern US, 1

sycamore (*Platanus* spp.)

bark patch grafting for wound closure, 186

Tagliavini, Massimo. *see* Dadea, Claudia

temperature

effect on modulus of elasticity, 49

thuja (*Platyclusus* spp.)

effect of production method and humic acid application, 144

***Thuja* spp. (arborvitae)**

relative susceptibility to arborvitae leafminer, 205

***Tilia* spp. (linden)**

tree species as tool for biomonitoring and phytoremediation, 155

trees

appraisal of urban, 72

economics of preservation, 55

transgenic, 217

valuation, 72, 121

***Ulmus* spp. (elm)**

effects of container retention and root pruning at planting, 27

revisited, 217

ten years of National Elm Test, 107

urban trees

appraisal of, 72

Vallejos-Barra, Óscar. *see* Ponce-Donosco, Mauricio

Walla, James A. *see* Griffin, Jason J.

water stress

and crown dieback in *Populus*, 173

Watson, Gary (and A. Hewitt), Fine

root growth response to soil-applied nitrogen and paclobutrazol, 38

Witte, Adam R. *see* Sadof, Clifford S.

woody ornamentals

and reduced-risk insecticides, 242

wounds

bark patch grafting, 186

Zhou, Mo. *see* Dahle, Gregory