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# Corrigendum: The challenges of urban street trees and how to overcome them

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Camilo Ordóñez Barona<sup>4</sup> and Susanne Raum<sup>5,6</sup>

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## KEYWORDS

ecosystem services, environmental ethics, human-nature relations, nature-based solutions, urban forests

## A Corrigendum on The challenges of urban street trees and how to overcome them

by Egerer, M., Schmack, J. M., Vega, K., Barona, C. O., and Raum, S. (2024). *Front. Sustain. Cities* 6:1394056. doi: 10.3389/frsc.2024.1394056

In the published article, there was an error. Citations were incorrectly written and referenced.

A correction has been made to the **Introduction, paragraph 1**. This previously stated:

Street trees can provide a suite of environmental and social benefits that enhance the environmental and social quality of cities (Mullaney et al., 2015; Shibata and Tan, 2022). They are prominent features of urban green infrastructure and can be important for climate change adaptation. Urban street trees also provide shade, air filtration, habitat for wildlife, and aesthetic and cultural benefits (Salmond et al., 2016; Ordóñez et al., 2022).

The corrected sentence appears below:

Street trees can provide a suite of environmental and social benefits that enhance the environmental and social quality of cities (Mullaney et al., 2015; Tan and Shibata, 2022). They are prominent features of urban green infrastructure and can be important for climate change adaptation. Urban street trees also provide shade, air filtration, habitat for wildlife, and aesthetic and cultural benefits (Salmond et al., 2016; Ordóñez Barona et al., 2022).

As a result, Shibata and Tan (2022) has been deleted from the References. This previously read:

Shibata, S., and Tan, P. Y. (2022). Assessing urban park street tree ecosystem services and their influence on residents' well-being. *Urban For. Urban Green*. 69:127568. doi: 10.1016/j.ufug.2022.127568

Further, Ordóñez Barona et al. (2022) has been updated in the References. This previously read:

Ordóñez, C., Ossola, A., and Mullaney, J. (2022). Managing the urban forest for a sustainable future: the role of citizen science. *Urban For. Urban Green*. 67:127334. doi: 10.1016/j.ufug.2021.127334

It now reads:

Ordóñez Barona, C., Wolf, K., Kowalski, J. M., Kendal, D., Byrne, J. A., and Conway, T. M. (2022). Diversity in public perception of urban forests and trees: a critical review. *Landsc. Urban Plann.* 226:104466. doi: 10.1016/j.landurbplan.2022.104466

A correction has been made to the **Introduction, paragraph 2**. This sentence previously stated:

“This has led to high recorded adult tree mortality rates (e.g., in United Kingdom, Heap, 2023; in United States, Roman et al., 2011; in Canada, Ordóñez et al., 2018a,b).”

The corrected sentence appears below:

“This has led to high recorded adult tree mortality rates (e.g., in the United Kingdom, Heap, 2023; in the United States, Roman and Scatena, 2011; in Canada, Ordóñez-Barona et al., 2018; Ordóñez et al., 2018).”

As a result, Roman et al. (2011) has been deleted from the References. This previously read: Roman, L. A., Scyphers, S. B., Rogan, J., and Locke, D. H. (2011). Assessing street tree biodiversity in Riverside, California, USA. *Arboricult. Urban For.* 37, 219–225.

In addition, Ordóñez-Barona et al. (2018) and Ordóñez et al. (2018) have been updated in the References. These previously read:

Ordóñez, C., Mullaney, J., and Chenoweth, J. (2018a). Unearthing the hidden world of roots: root biomass distribution in urban soils for three common tree species. *Landsc. Urban Plan.* 180, 238–246. doi: 10.1016/j.landurbplan.2018.09.012

Ordóñez, C., Mullaney, J., and Chenoweth, J. (2018b). The root of the problem: a review of soil bioengineering and biotechnical soil stabilization for roadside and stormwater management. *Environ. Sci. Pol.* 85, 34–42. doi: 10.1016/j.envsci.2018.03.017

They now read:

Ordóñez-Barona, C., Sabetski, V., Millward, A. A., and Steenberg J. (2018). De-icing salt contamination reduces urban tree performance in structural soil cells. *Environ. Pollut.* 234, 562–571. doi: 10.1016/j.envpol.2017.11.101

Ordóñez, C., Sabetski, V., Millward, A. A., Steenberg, J. W., Grant, A., and Urban, J. (2018). The influence of abiotic factors on street tree condition and mortality in a commercial-retail streetscape. *Arboricult. Urban For.* 44(3), 133–145. doi: 10.48044/jauf.2018.011

A correction has been made to the **Introduction, paragraph 3**. This previously stated:

Much technical research in urban-tree growing conditions has focused on ameliorating some of these stressors through a better understanding of the optimal environmental growing conditions for trees, tree physiology, and the needed technological and design interventions (Mullaney et al., 2015; Shibata and Tan, 2022). Indeed, new approaches in street tree modeling may further provide insight into optimal growing conditions or potential stress mitigation (e.g., Cameron et al., 2017; Ossola et al., 2023) However, they may not necessarily consider the social-political context of trees, including resources, which may influence management decisions or realistic outcomes of tree longevity. In many parts of the world, urban residents get involved in the care and management of street trees (Fernandes et al., 2019; Ordóñez et al., 2022).

The corrected sentence appears below:

Much technical research in urban-tree growing conditions has focused on ameliorating some of these stressors through a better understanding of the optimal environmental growing conditions for trees, tree physiology, and the needed technological and design interventions (Mullaney et al., 2015; Tan and Shibata, 2022).

Indeed, new approaches in street tree modeling may further provide insight into optimal growing conditions or potential stress mitigation (e.g., Cameron et al., 2017; Ossola et al., 2023). However, they may not necessarily consider the social-political context of trees, including resources, which may influence management decisions or realistic outcomes of tree longevity. In many parts of the world, urban residents get involved in the care and management of street trees (Fernandes et al., 2019; Ordóñez Barona et al., 2022).

Another correction has been made to the **Introduction, paragraph 3**. This sentence previously stated:

However, such activities may not always be welcomed with some residents rejecting expanded tree planting due to concerns with pollen allergies, leaf litter, as well as management and safety concerns (Schroeder et al., 2006; Carmichael and McDonough, 2019; Roman and Walker, 2021; Devi et al., 2023).

The corrected sentence appears below:

However, such activities may not always be welcomed with some residents rejecting expanded tree planting due to concerns with pollen allergies, leaf litter, as well as management and safety concerns (Schroeder et al., 2006; Carmichael and McDonough, 2019; Roman et al., 2021).

As a result, Roman et al. (2021) has been updated in the References. This previously read:

Roman, L. A., and Walker, L. A. (2021). Residential preference for street trees that mitigate utility line interference: a survey of U.S. homeowners. *Urban For. Urban Green.* 65:127360. doi: 10.1016/j.ufug.2021.127360

It now reads:

Roman, L. A., Conway, T. M., Eisenman, T. S., Koeser, A. K., Ordóñez Barona, C., Locke, D. H., et al. (2021). Beyond “trees are good”: disservices, management costs, and tradeoffs in urban forestry. *Ambio* 50(3), 615–630.

Further, the entry for Devi et al. (2023) has been deleted from the References. This previously read:

Devi, A., Bala, N., and Saikia, J. (2023). Residents’ perceptions and attitudes towards street trees in urban residential areas of Guwahati City, Assam. *Int. J. Environ. Sci. Nat. Res.* 29, 1–10. doi: 10.19080/IJESNR.2023.29.556277

A correction has been made to the **Introduction, paragraph 4**. This sentence previously stated:

While there is already much work on street tree mortality (Roman et al., 2011; Roman and Scatena, 2011; Hilbert et al., 2019) as well as on new monitoring tools and technologies to target tree vulnerability to improve street tree management (e.g., Jahani and Saffariha, 2022a,b; Ossola et al., 2023), we aim to provide a more nuanced social-ecological perspective on the lives of these street trees and offer suggestions on how to improve it by harnessing urban resident action and care.

The corrected sentence appears below:

While there is already much work on street tree mortality (Roman and Scatena, 2011; Hilbert et al., 2019) as well as on new monitoring tools and technologies to target tree vulnerability to improve street tree management (e.g., Jahani and Saffariha, 2022a,b; Ossola et al., 2023), we aim to provide a more nuanced social-ecological perspective on the lives of these street trees and offer suggestions on how to improve it by harnessing urban resident action and care.

A correction has been made to **Section 2.1, paragraph 1**. This sentence previously stated:

Car traffic and urban water runoff lead to heavy metal pollutant deposition into street tree soils, while salts commonly used to de-ice roads and pavements can lead to de-icing salt contamination reducing tree growth (Cekstere and Osvalde, 2013; Ordóñez et al., 2018a).

The corrected sentence appears below:

Car traffic and urban water runoff lead to heavy metal pollutant deposition into street tree soils, while salts commonly used to de-ice roads and pavements can lead to de-icing salt contamination reducing tree growth (Cekstere and Osvalde, 2013; Ordóñez-Barona et al., 2018).

A correction has been made to **Section 2.1, paragraph 2**. This sentence previously stated:

Extreme heat waves (exacerbated by the urban heat island) can reduce photosynthesis, increase photo-oxidative stress, and, through stomatal closure for water conservation, increase leaf temperatures leading to leaf die-off and defoliation (O’Sullivan et al., 2017; Tabassum et al., 2021).

The corrected sentence appears below:

Extreme heat waves (exacerbated by the urban heat island) can reduce photosynthesis, increase photo-oxidative stress, and, through stomatal closure for water conservation, increase leaf temperatures leading to leaf die-off and defoliation (O’Sullivan et al., 2017; Tabassum et al., 2021).

The entry for O’Sullivan et al. (2017) has accordingly been updated in the References. This previously read:

O’Sullivan, C. A., O’Brien, J. M., and McNamara, N. P. (2017). Microclimate and environmental stress of street trees in the Dublin metropolitan area. *Arboric. Urban For.* 43, 249–260. doi: 10.48044/jauf.2017.022

It now reads:

O’Sullivan, O. S., Heskell, M. A., Reich, P. B., Tjoelker, M. G., Weerasinghe, L. K., Penillard, A., et al. (2017). Thermal limits of leaf metabolism across biomes. *Glob. Change Biol.*, 23(1), 209–223. doi: 10.1111/gcb.13477

A correction has been made to **Section 2.3**. This sentence previously stated:

Despite governance movements to green cities, not everyone loves street trees in all situations and perceptions of street trees vary around the world (Roman and Walker, 2021). The social context in which street trees find themselves often makes them the victims of direct and indirect forms of anthropogenic abuse, as well as whether trees are considered to provide services or disservices. Residents may use trees as bike stands or the tree disc area as trash bins, construction can leave tree roots exposed to trampling and damage, and many newly planted street trees are targets of vandalism (Richardson and Shackleton, 2014; North et al., 2017; Ordóñez et al., 2018b). Some residents perceive street trees as a nuisance or a safety risk (Schroeder et al., 2006; Roman and Walker, 2021; Devi et al., 2023) and may place “no-tree requests” around their residences (Carmichael and McDonough, 2018).

The corrected sentence appears below:

Despite governance movements to green cities, not everyone loves street trees in all situations and perceptions of street trees vary around the world (Roman et al., 2021). The social context in which street trees find themselves often makes them the victims of direct and indirect forms of anthropogenic abuse, as well as whether trees are considered to provide services or disservices.

Residents may use trees as bike stands or the tree disc area as trash bins, construction can leave tree roots exposed to trampling and damage, and many newly planted street trees are targets of vandalism (Richardson and Shackleton, 2014; North et al., 2017; Ordóñez et al., 2018). Some residents perceive street trees as a nuisance or a safety risk (Schroeder et al., 2006; Roman et al., 2021) and may place “no-tree requests” around their residences (Carmichael and McDonough, 2018).

A correction has been made to **Section 3.1, paragraph 1**. This sentence previously stated:

New technologies to improve planting sites can be used, including those that support irrigation, such as permeable pavements, those that improve soil quantity and quality (see below), and improved watering regimes (Sjöman et al., 2012; Fahey et al., 2013; Gillner et al., 2017; Dickenson et al., 2023).

The corrected sentence appears below:

New technologies to improve planting sites can be used, including those that support irrigation, such as permeable pavements, those that improve soil quantity and quality (see below), and improved watering regimes (Day and Dickinson, 2008; Sjöman et al., 2012; Fahey et al., 2013; Gillner et al., 2017; Dickenson et al., 2023).

The citation for Sjöman et al., 2012 has been correctly linked to the updated References (see later).

A new entry has been added to the References for Day and Dickinson (2008). This reads:

Day, S. D., and Dickinson, S. B. (Eds.) (2008). *Managing stormwater for urban sustainability using trees and structural soils*. Blacksburg, VA, USA: Virginia Polytechnic Institute and State University.

A correction has been made to **Section 3.1, paragraph 2**. This sentence previously stated:

Unfortunately, this is often missing from management plans and interventions (Zare et al., 2015; Ordóñez et al., 2022).

The corrected sentence appears below:

Unfortunately, this is often missing from management plans and interventions (Zare et al., 2015; Ordóñez Barona et al., 2022).

A correction has been made to **Section 3.2, paragraph 1**. This sentence previously stated:

In some parts of the world, urban residents already are involved in the management of street trees, demonstrating that residents consider them important and care for them (Fernandes et al., 2019; Laurian et al., 2019; Ordóñez et al., 2022; Figure 2).

The corrected sentence appears below:

In some parts of the world, urban residents already are involved in the management of street trees, demonstrating that residents consider them important and care for them (Fernandes et al., 2019; Laurian et al., 2019; Ordóñez Barona et al., 2022; Figure 2).

There were also multiple mistakes in the References.

The reference for Carmichael and McDonough (2018) was incorrectly written as:

Carmichael, C. E., and McDonough, M. H. (2018). The trouble with trees? social and political dynamics of street tree-planting efforts in Detroit, Michigan, USA. *Urban For. Urban Green.* 31, 221–229.

The correct reference is:

Carmichael, C. E., and McDonough, M. H. (2018). The trouble with trees? Social and political dynamics of street tree-planting efforts

in Detroit, Michigan, USA. *Urban For. Urban Green*. 31, 221–229. doi: 10.1016/j.ufug.2018.03.009

The reference for Carmichael and McDonough (2019) was incorrectly written as:

Carmichael, E., and McDonough, M. H. (2019). Access to nature and engagement in tree stewardship in the urban environment. *Urban For. Urban Green* 45:126495. doi: 10.1016/j.ufug.2019.126495

The correct reference is:

Carmichael, C. E., and McDonough, M. H. (2019). Community stories: explaining resistance to street tree-planting programs in Detroit, Michigan, USA. *Soc. Nat. Resour.* 32, 588–605.

The reference for Cekstere and Osvalde (2013) was incorrectly written as:

Cekstere, G., and Osvalde, A. (2013). The effect of de-icing salts on urban soils and street trees in Riga. *Environ. Exp. Biol.* 11, 121–129.

The correct reference is:

Cekstere, G., and Osvalde, A. (2013). A study of chemical characteristics of soil in relation to street trees status in Riga (Latvia). *Urban For. Urban Green*. 12, 69–78. doi: 10.1016/j.ufug.2012.09.004

The reference for Croeser et al. (2020) was incorrectly written as:

Croeser, T., Saarloos, D., and Rayner, T. (2020). Street trees and social identity: a case study of Cheltenham Melbourne. *Urban For. Urban Green*. 54:126781.

The correct reference is:

Croeser, T., Ordóñez, C., Threlfall, C., Kendal, D., van der Ree, R., Callow, D., and Livesley, S. J. (2020). Patterns of tree removal and canopy change on public and private land in the City of Melbourne. *Sustain. Cities Soc.* 56:102096.

The reference for Day et al. (2010) was incorrectly written as:

Day, S. D., Wiseman, P. E., Dickinson, S. B., Harris, J. R., Wynn, T. M., and Luley, C. J. (2010). A soil volume recommendation method for urban trees based on the concept of trees as ecosystem assets. *Arboricult. Urban For.* 36, 240–255.

The correct reference is:

Day, S. D., Wiseman, P. E., Dickinson, S. B., and Harris, J. R. (2010). Contemporary concepts of root system architecture of urban trees. *Arboric. Urban For.* 36, 149–159.

The reference for Fahey et al. (2013) was incorrectly written as:

Fahey, T. J., Battles, J. J., Wilson, G. F., Goodale, C. L., Hamburg, S. P., and Ollinger, S. V. (2013). The human and biophysical effects of climate change on US forests. *Bio Sci.* 63, 757–765. doi: 10.1525/bio.2013.63.9.6

The correct reference is:

Fahey, R. T., Bialecki, M. B., and Carter, D. R. (2013). Tree growth and resilience to extreme drought across an urban land-use gradient. *Arboric. Urban For.* 39, 279–285. doi: 10.48044/jauf.2013.036

The reference for Farrell et al. (2022) was incorrectly written as:

Farrell, C., Sisinni, L., Paquette, A., Messier, C., and LeBlanc, A. (2022). Linking the drivers of tree selection with the social and ecological functions of urban forests. *Landsc. Urban Plan.* 221:104188. doi: 10.1016/j.landurbplan.2022.104188

The correct reference is:

Farrell, C., Livesley, S. J., Arndt, S. K., Beaumont, L., Burley, H., Ellsworth, D., et al. (2022). Can we integrate ecological approaches to improve plant selection for green infrastructure? *Urban For. Urban Green*. 76:127732. doi: 10.1016/j.ufug.2022.127732

The reference for Fernandes et al. (2019) was incorrectly written as:

Fernandes, G. W., Lara-Romero, C., Malaquias, J. V., Oliveira, L. C., and Espirito-Santo, M. M. (2019). Street trees: perceptions and practices of inhabitants of the Montes Claros, MG, Brazil. *Urban For. Urban Green*. 41, 58–63. doi: 10.1016/j.ufug.2019.02.012

The correct reference is:

Fernandes, C. O., da Silva, I. M., Teixeira, C. P., and Costa, L. (2019). Between tree lovers and tree haters. Drivers of public perception regarding street trees and its implications on the urban green infrastructure planning. *Urban For. Urban Green*. 37, 97–108. doi: 10.1016/j.ufug.2018.03.014

The reference for Gillner et al. (2017) was incorrectly written as:

Gillner, S., Wernicke, A., Schmid, L., Heidrich, B., and Seidl, R. (2017). Canopy wettability, not penetrability, controls the standing precipitation of forest canopies. *Ecohydrology* 10:e1843. doi: 10.1002/eco.1843

The correct reference is:

Gillner, S., Korn, S., Hofmann, M., and Roloff, A. (2017). Contrasting strategies for tree species to cope with heat and dry conditions at urban sites. *Urban Ecosyst.* 20, 853–865. doi: 10.1007/s11252-016-0636-z

The reference for Heap (2023) was incorrectly written as:

Heap, J. (2023). Street tree assessment. Available at: <https://www.cpredevon.org.uk/street-tree-assessment/>

The correct reference is:

Heap, T. (2023). Half a million trees have died alongside 21-mile stretch of road, National Highways admits. Sky News. Available at: <https://news.sky.com/story/half-a-million-trees-have-died-next-to-one-21-mile-stretch-of-road-national-highways-admits-12836768> (Accessed March 30, 2023).

The reference for Jack-Scott et al. (2013) was incorrectly written as:

Jack-Scott, E., Holmes, M., Lonsdale, M., and Ray, T. (2013). Community action to protect street trees. *Arboricult. J.* 35, 127–145.

The correct reference is:

Jack-Scott, E., Piana, M., Troxel, B., Murphy-Dunning, C., and Ashton, M. S. (2013). Stewardship success: how community group dynamics affect urban street tree survival and growth. *Arboric. Urban For.* 39, 189–196.

The reference for Jim et al. (2018) was incorrectly written as:

Jim, C. Y., Chen, W. Y., and Wu, C. Y. (2018). On-site impact assessment of street trees in the subtropical city of Guangzhou (China). *Int. J. Environ. Sci. Technol.* 15, 1209–1220. doi: 10.1007/s13762-017-1465-7

The correct reference is:

Jim, C. Y., Konijnendijk van den Bosch, C., and Chen, W. Y. (2018). Acute challenges and solutions for urban forestry in compact and densifying cities. *J. Urban Plan. Dev.* 144, 04018025. doi: 10.1061/(ASCE)UP.1943-5444.0000466

The reference for Jutras et al. (2010) was incorrectly written as:

Jutras, S., Forget, G., and Messier, C. (2010). The ecological impacts of streets. *For. Chron.* 86, 255–261. doi: 10.5558/tfc86255-2

The correct reference is:

Jutras, P., Prasher, S. O., and Mehuys, G. R. (2010). Appraisal of key biotic parameters affecting street tree growth. *J. Arboric.* 36, 1–10. doi: 10.48044/jauf.2010.001

The reference for Kuo (2003) was incorrectly written as:



Kuo, F. E. (2003). The role of arboriculture in a healthy social ecology. *J. Arboric.* 29, 148–155. doi: 10.48044/jauf.2003.018

The correct reference is:

Kuo, F. E. (2003). Social aspects of urban forestry: the role of arboriculture in a healthy social ecology. *J. Arboric.* 29, 148–155. Available online at: [https://www.nrs.fs.usda.gov/pubs/jrnl/2003/nc\\_2003\\_kuo\\_001.pdf](https://www.nrs.fs.usda.gov/pubs/jrnl/2003/nc_2003_kuo_001.pdf)

The reference for Lyytimäki (2017) was incorrectly written as:

Lyytimäki, J. (2017). “Urban residential areas and ecosystem services: what are the relationships?” in *Urbanization, biodiversity and ecosystem services: challenges and opportunities*. ed. T. Elmqvist (Cham: Springer), 203–220.

The correct reference is:

Lyytimäki, J. (2017). “Disservices of urban trees,” in *Routledge Handbook of Urban Forestry*. London: Routledge, 164–176.

The reference for McNamara et al. (2022) was incorrectly written as:

McNamara, N. P., Burgin, L., Rayner, J. P., Theis, T., Fraser, L., Watts, K., et al. (2022). Ecological and social outcomes from watering street trees. *Ecol. Appl.* 32:e2211. doi: 10.1002/eap.2211

The correct reference is:

McNamara, K. A., Kostelny, M., Kim, G., Keating, D. M., Estiandan, J., and Armbruster, J. (2022). A novel resident outreach program improves street tree planting outcomes in Los Angeles. *Environ. Chall.* 9:100596. doi: 10.1016/j.envc.2022.100596

The reference for North et al. (2017) was incorrectly written as:

North, M. A., Kohler, M., and Paul, C. (2017). An analysis of the urban forest of Melbourne, Australia. *Urban For. Urban Green.* 25, 72–81. doi: 10.1016/j.ufug.2017.04.011

The correct reference is:

North, E. A., D’Amato, A. W., Russell, M. B., and Johnson, G. R. (2017). The influence of sidewalk replacement on urban street tree growth. *Urban For. Urban Green.* 24, 116–124. doi: 10.1016/j.ufug.2017.03.029

The reference for Paquette et al. (2021) was incorrectly written as:

Paquette, A., Trueman, S. J., Cormier, D., and Messier, C. (2021). The environmental, social, and economic performance of diverse street tree assemblages planted along residential streets. *Urban For. Urban Green.* 61:127061. doi: 10.1016/j.ufug.2021.127061

The correct reference is:

Paquette, A., Sousa-Silva, R., Maure, F., Cameron, E., Belluau, M., and Messier, C. (2021). Praise for diversity: a functional approach to reduce risks in urban forests. *Urban For. Urban Green.* 62:127157. doi: 10.1016/j.ufug.2021.127157

The reference for Raum et al. (2023) was incorrectly written as:

Raum, S., Meineri, E., Thomann, M., Bock, A., Walder, B., and Bader, M. K. F. (2023). Environmental stressors affect plant-soil feedbacks and the functional composition of microbial communities under shrub canopy. *J. Ecol.* 111, 229–242. doi: 10.1111/1365-2745.14152

The correct reference is:

Raum, S., Collins, C. M., Urquhart, J., Potter, C., Pauleit, S., and Egerer, M. (2023). Tree insect pests and pathogens: a global systematic review of their impacts in urban areas. *Urban Ecosyst.* 26, 587–604. doi: 10.1007/s11252-022-01317-5

The reference for Referowska-Chodak (2019) was incorrectly written as:

Referowska-Chodak, E. (2019). Urban tree biodiversity: a strategy for sustainable development. *Sustain. For.* 11:916. doi: 10.3390/su11030916

The correct reference is:

Referowska-Chodak, E. (2019). Pressures and threats to nature related to human activities in European urban and suburban forests. *Forests* 10, 765. doi: 10.3390/f10090765

The reference for Richardson and Shackleton (2014) was incorrectly written as:

Richardson, D. M., and Shackleton, C. M. (2014). Urban forestry in developing countries: a review. *Arboricult. Urban For.* 40, 63–75.

The correct reference is:

Richardson, E., and Shackleton, C. M. (2014). The extent and perceptions of vandalism as a cause of street tree damage in small towns in the Eastern Cape, South Africa. *Urban For. Urban Green.* 13, 425–432. doi: 10.1016/j.ufug.2014.04.003

The reference for Roman et al. (2015) was incorrectly written as:

Roman, L. A., Scyphers, S. B., and Rogan, J. (2015). Drivers of tree distribution in an urban ecosystem. *Landsc. Urban Plan.* 136, 87–95. doi: 10.1016/j.landurbplan.2014.12.012

The correct reference is:

Roman, L. A., Walker, L. A., Martineau, C. M., Muffly, D. J., MacQueen, S. A., and Harris, W. (2015). Stewardship matters: case studies in establishment success of urban trees. *Urban For. Urban Green.* 14, 1174–1182. doi: 10.1016/j.ufug.2015.11.001

The reference for Schroeder et al. (2006) was incorrectly written as:

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The authors apologize for these errors and state that they do not change the scientific conclusions of the article in any way. The original article has been updated.

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