

Table S1: Bibliography of the 149 studies analysed in this review.

Author(s)	Year	Title	Source
Abdullah, R., Kanniah, K. D., & Ho, C. S.	2018	Identification of suitable trees for urban parks and roadsides in Iskandar Malaysia.	<i>Chemical Engineering Transactions</i> , 63, 385–390. https://doi.org/10.3303/CET1863065
Abino, A. C., Castillo, J. A. A., & Lee, Y. J.	2014	Assessment of species diversity, biomass and carbon sequestration potential of a natural mangrove stand in Samar, the Philippines.	<i>Forest Science and Technology</i> , 10(1), 2–8. https://doi.org/10.1080/21580103.2013.814593
Achmad, A., Ramli, I., & Irwansyah, M.	2020	The impacts of land use and cover changes on ecosystem services value in urban highland areas.	<i>IOP Conference Series: Earth and Environmental Science</i> , 447(1). https://doi.org/10.1088/1755-1315/447/1/012047
Achmad, Ashfa, Irwansyah, M., Nizamuddin, N., & Ramli, I.	2019	Land Use and Cover Changes and Their Implications on Local Climate in Sabang City, Weh Island, Indonesia.	<i>Journal of Urban Planning and Development</i> , 145(4), 1–7. https://doi.org/10.1061/(ASCE)UP.1943-5444.0000536
Adnan, N.	2018	Mapping recreation of FRIM via social media	<i>ASM Science Journal</i> , 11(Special Issue 3), 168–171.
Afriyanie, D., Julian, M. M., Riqqi, A., Akbar, R., Suroso, D. S. A., & Kustiwan, I.	2020	Re-framing urban green spaces planning for flood protection through socio-ecological resilience in Bandung City, Indonesia.	<i>Cities</i> , 101(10), 102710. https://doi.org/10.1016/j.cities.2020.102710
Ahmad, C. B., Abdullah, J., Jaafar, J., & Anuar, A. N. A.	2017	Spatial Adaptation of Protected Area Buffer Zones in Urban Setting: Impact on human and conservation agenda.	<i>Environment-Behaviour Proceedings Journal</i> , 2(5), 65. https://doi.org/10.21834/e-bpj.v2i5.683
Ajrina, H., & Kustiwan, I. (2019).	2019	From green open space to green infrastructure: The potential of green open space optimization towards sustainable cities in Bekasi City & Regency, Indonesia.	<i>IOP Conference Series: Earth and Environmental Science</i> , 399(1). https://doi.org/10.1088/1755-1315/399/1/012130
Alves, A., Gómez, J. P., Vojinovic, Z., Sánchez, A., & Weesakul, S.	2018	Combining co-benefits and stakeholders perceptions into green infrastructure selection for flood risk reduction.	<i>Environments - MDPI</i> , 5(2), 1–23. https://doi.org/10.3390/environments5020029

Ancog, R., & Ruzol, C.	2015	Urbanization adjacent to a wetland of international importance: The case of Olango Island Wildlife Sanctuary, Metro Cebu, Philippines.	<i>Habitat International</i> , 49, 325–332. https://doi.org/10.1016/j.habitatint.2015.06.007
Arifin, H. S., & Nakagoshi, N.	2011	Landscape ecology and urban biodiversity in tropical Indonesian cities	<i>Landscape and Ecological Engineering</i> , 7(1), 33–43. https://doi.org/10.1007/s11355-010-0145-9
Baharuddin, Z. M., Rusli, N., Ramli, L., Othman, R., & Yaman, M.	2017	The diversity of birds and frogs species at perdana botanical lake Garden, Kuala Lumpur, Malaysia.	<i>Advanced Science Letters</i> , 23(7), 6256–6260. https://doi.org/10.1166/asl.2017.9247
Balmford, A., Chen, H., Phalan, B., Wang, M., O’Connell, C., Tayleur, C., & Xu, J.	2016	Getting Road Expansion on the Right Track: A Framework for Smart Infrastructure Planning in the Mekong.	<i>PLoS Biology</i> , 14(12). https://doi.org/10.1371/journal.pbio.2000266
Barau, A. S.	2015	Perceptions and contributions of households towards sustainable urban green infrastructure in Malaysia.	<i>Habitat International</i> , 47, 285–297. https://doi.org/10.1016/j.habitatint.2015.02.003
Belcher, R.N., & Chisholm, R. A.	2018	Tropical Vegetation and Residential Property Value: A Hedonic Pricing Analysis in Singapore.	<i>Ecological Economics</i> , 149, 149–159. https://doi.org/10.1016/j.ecolecon.2018.03.012
Belcher, Richard N., Sadanandan, K. R., Goh, E. R., Chan, J. Y., Menz, S., & Schroepfer, T.	2019	Vegetation on and around large-scale buildings positively influences native tropical bird abundance and bird species richness.	<i>Urban Ecosystems</i> , 22(2), 213–225. https://doi.org/10.1007/s11252-018-0808-0
Benzeev, R., Hutchinson, N., & Friess, D. A.	2017	Quantifying fisheries ecosystem services of mangroves and tropical artificial urban shorelines.	<i>Hydrobiologia</i> , 803(1), 225–237. https://doi.org/10.1007/s10750-017-3299-8
Bitonon, J. B.	2020	Climate risk vulnerability assessment: Basis for decision making support for the agriculture sector in the province of Iloilo	<i>International Journal of Innovation, Creativity and Change</i> , 13(3), 186–202.
Bouma, G. A., & Kobryn, H. T.	2004	Change in vegetation cover in East Timor, 1989-1999.	<i>Natural Resources Forum</i> , 28(1), 1–12. https://doi.org/10.1111/j.0165-0203.2004.00067.x
Brown, A., Dayal, A., & Rumbaitis Del Rio, C.	2012	From practice to theory: emerging lessons from Asia for building urban climate change resilience.	<i>Environment and Urbanization</i> , 24(2), 531–556. https://doi.org/10.1177/0956247812456490

Brown, G., & Hausner, V. H.	2017	An empirical analysis of cultural ecosystem values in coastal landscapes.	<i>Ocean and Coastal Management</i> , 142, 49–60. https://doi.org/10.1016/j.ocecoaman.2017.03.019
Bueno, E. A., Ancog, R., Obalan, E., Cero, A. D., Simon, A. N., Malvecino-Macalintal, M. R., Bactong Jr, M., Lunar, J., Buena, G.R. and Sugui, L.	2016	Measuring Households' Willingness to Pay for Water Quality Restoration of a Natural Urban Lake in the Philippines.	<i>Environmental Processes</i> , 3(4), 875–894. https://doi.org/10.1007/s40710-016-0169-8
Chakraborty, T., & Lee, X.	2019	A simplified urban-extent algorithm to characterize surface urban heat islands on a global scale and examine vegetation control on their spatiotemporal variability.	<i>International Journal of Applied Earth Observation and Geoinformation</i> , 74, 269–280. https://doi.org/10.1016/j.jag.2018.09.015
Chan, A. A. Q., Aziz, S. A., Clare, E. L., & Coleman, J. L.	2020	Diet, ecological role and potential ecosystem services of the fruit bat, <i>Cynopterus brachyotis</i> , in a tropical city.	<i>Urban Ecosystems</i> , (Corlett 1992). https://doi.org/10.1007/s11252-020-01034-x
Danielaini, T. T., Maheshwari, B., & Hagare, D.	2018	Defining rural–urban interfaces for understanding ecohydrological processes in West Java, Indonesia: Part II. Its application to quantify rural–urban interface ecohydrology.	<i>Ecohydrology and Hydrobiology</i> , 18(1), 37–51. https://doi.org/10.1016/j.ecohyd.2017.11.007
Danielaini, T., Maheshwari, B., & Hagare, D.	2019	Qualitative and quantitative analysis of perceived liveability in the context of socio-ecohydrology: evidence from the urban and peri-urban Cirebon-Indonesia.	<i>Journal of Environmental Planning and Management</i> , 62(12), 2026–2054. https://doi.org/10.1080/09640568.2018.1524576
De Leon, R. C., & Kim, S. M.	2017	Stakeholder perceptions and governance challenges in urban protected area management: The case of the Las Piñas – Parañaque Critical Habitat and Ecotourism Area, Philippines.	<i>Land Use Policy</i> , 63, 470–480. https://doi.org/10.1016/J.LANDUSEPOL.2017.02.011

Drillet, Z., Fung, T. K., Leong, R. A. T., Sachidhanandam, U., Edwards, P., & Richards, D.	2020	Urban vegetation types are not perceived equally in providing ecosystem services and disservices.	<i>Sustainability (Switzerland)</i> , 12(5). https://doi.org/10.3390/su12052076
Edwards, P.	2019	The role of ecosystem services in making cities sustainable.	In <i>SpringerBriefs in Architectural Design and Technology</i> . https://doi.org/10.1007/978-981-13-0713-3_16
el-Baghdadi, O., & Desha, C.	2017	Conceptualising a biophilic services model for urban areas.	<i>Urban Forestry and Urban Greening</i> , 27, 399–408. https://doi.org/10.1016/j.ufug.2016.10.016
Elliott, S., Chairuangsi, S., Shannon, D., Nippanon, P., & Amphon, R.	2018	Developing forest restoration approaches for northern Thailand	<i>Natural History Bulletin of the Siam Society</i> , 63(1), 11–26.
Estoque, R.C., & Murayama, Y.	2016	Quantifying landscape pattern and ecosystem service value changes in four rapidly urbanizing hill stations of Southeast Asia.	<i>Landscape Ecology</i> , 31(7), 1481–1507. https://doi.org/10.1007/s10980-016-0341-6
Estoque, R.C., & Murayama, Y.	2012	Examining the potential impact of land use/cover changes on the ecosystem services of Baguio city, the Philippines: A scenario-based analysis.	<i>Applied Geography</i> , 35(1–2), 316–326. https://doi.org/10.1016/j.apgeog.2012.08.006
Estoque, R.C., & Murayama, Y.	2013	Landscape pattern and ecosystem service value changes: Implications for environmental sustainability planning for the rapidly urbanizing summer capital of the Philippines.	<i>Landscape and Urban Planning</i> , 116, 60–72. https://doi.org/10.1016/j.landurbplan.2013.04.008
Estoque, R. C., Murayama, Y., & Myint, S. W.	2017	Effects of landscape composition and pattern on land surface temperature: An urban heat island study in the megacities of Southeast Asia.	<i>Science of the Total Environment</i> , 577, 349–359. https://doi.org/10.1016/j.scitotenv.2016.10.195
Estoque, R. C., Ooba, M., Seposo, X. T., Togawa, T., Hijioka, Y., Takahashi, K., & Nakamura, S.	2020	Heat health risk assessment in Philippine cities using remotely sensed data and social-ecological indicators.	<i>Nature Communications</i> , 11(1), 1–12. https://doi.org/10.1038/s41467-020-15218-8

Fauzi, M. A. Abd Ghafar, A.	2020	Cultural Practices Generated by Structural Biodiversity of Two Urban Forests in Johor Bahru, Malaysia	<i>International Journal of Built Environment and Sustainability</i> , 7(2), 15-23, https://doi.org/10.11113/ijbes.v7.n2.402
Fitri, M., Triyadi, S., & Harun, I. B.	2017	A topology of residents' based on preferences for sustainable riparian settlement in Palembang, Indonesia	<i>MATEC Web of Conferences</i> , 101, https://doi.org/10.1051/mateconf/201710105025
Friess, D. A.	2017	Singapore as a long-term case study for tropical urban ecosystem services.	<i>Urban Ecosystems</i> , 20(2), 277–291. https://doi.org/10.1007/s11252-016-0592-7
Friess, D. A., Richards, D. R., & Phang, V. X. H.	2016	Mangrove forests store high densities of carbon across the tropical urban landscape of Singapore.	<i>Urban Ecosystems</i> , 19(2), 795–810. https://doi.org/10.1007/s11252-015-0511-3
Ghosh, S., Scharenbroch, B. C., & Ow, L. F.	2016	Soil organic carbon distribution in roadside soils of Singapore.	<i>Chemosphere</i> , 165, 163–172. https://doi.org/10.1016/j.chemosphere.2016.09.028
Ghosh, S., Deb, S., Ow, L. F., Deb, D., & Yusof, M. L.	2019	Soil characteristics in an exhumed cemetery land in Central Singapore.	<i>Environmental Monitoring and Assessment</i> , 191(3). https://doi.org/10.1007/s10661-019-7291-9
Gret-Regamey, A., Galleguillos-Torres, M., Dissegna, A., & Weibel, B.	2020	How urban densification influences ecosystem services - A comparison between a temperate and a tropical city.	<i>Environmental Research Letters</i> , 15(7). https://doi.org/10.1088/1748-9326/ab7acf
Gunawan, H., Sugiarti, Rianti, A., & Sihombing, V. S.	2016	Diversity of faunal communities in the Biodiversity Park of Ciherang, Bogor, West Java, Indonesia.	<i>Biodiversitas</i> , 17(2), 479–486. https://doi.org/10.13057/biodiv/d170212
Gunnell, K., Mulligan, M., Francis, R. A., & Hole, D. G.	2019	Evaluating natural infrastructure for flood management within the watersheds of selected global cities.	<i>Science of the Total Environment</i> , 670, 411–424. https://doi.org/10.1016/j.scitotenv.2019.03.212
Hails, C. J., & Kavanagh, M.	2013	Bring back the birds! Planning for trees and other plants to support southeast Asian wildlife in urban areas.	<i>Raffles Bulletin of Zoology</i> , (SUPPL. 29), 243–258.
Hamid, A. R. & Tan. P. Y.	2017	Urban Ecological Networks for Biodiversity Conservation in Cities	Greening Cities: Forms and Functions, <i>Advances in 21st Century Human Settlements</i> , doi 10.1007/978-981-10-4113-6_12 251

Hara, Y., Yamaji, K., Yokota, S., Thaitakoo, D., & Sampei, Y.	2018	Dynamic wetland mosaic environments and Asian openbill habitat creation in peri-urban Bangkok.	<i>Urban Ecosystems</i> , 21(2), 305–322. https://doi.org/10.1007/s11252-017-0718-6
Hassan, S., Olsen, S. B., & Thorsen, B. J.	2019	Urban-rural divides in preferences for wetland conservation in Malaysia	<i>Land Use Policy</i> , 84(August 2018), 226–237. https://doi.org/10.1016/j.landusepol.2019.03.015
Hedberg, N., Stenson, I., Kautsky, N., Hellström, M., & Tedengren, M.	2017	Causes and consequences of spatial links between sea cage aquaculture and coral reefs in Vietnam.	<i>Aquaculture</i> , 481(July), 245–254. https://doi.org/10.1016/j.aquaculture.2017.09.009
Heery, E. C., Lian, K. Y., Loke, L. H. L., Tan, H. T. W., & Todd, P. A.	2020	Evaluating seaweed farming as an eco-engineering strategy for ‘blue’ shoreline infrastructure.	<i>Ecological Engineering</i> , 152(November 2019), 105857. https://doi.org/10.1016/j.ecoleng.2020.105857
Helen, & Gasparatos, A.	2020	Ecosystem services provision from urban farms in a secondary city of Myanmar, pyin oo lwin.	<i>Agriculture (Switzerland)</i> , 10(5), 1–17. https://doi.org/10.3390/agriculture10050140
Helen, Jarzebski, M. P., & Gasparatos, A.	2019	Land use change, carbon stocks and tree species diversity in green spaces of a secondary city in Myanmar, Pyin Oo Lwin.	<i>PLoS ONE</i> , 14(11), 1–23. https://doi.org/10.1371/journal.pone.0225331
Heng, S. L., & Chow, W. T. L.	2019	How ‘hot’ is too hot? Evaluating acceptable outdoor thermal comfort ranges in an equatorial urban park.	<i>International Journal of Biometeorology</i> , 801–816. https://doi.org/10.1007/s00484-019-01694-1
Hwang, Y. H., & Roscoe, C. J.	2017	Preference for site conservation in relation to on-site biodiversity and perceived site attributes: An on-site survey of unmanaged urban greenery in a tropical city.	<i>Urban Forestry and Urban Greening</i> , 28, 12–20. https://doi.org/10.1016/j.ufug.2017.09.011
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Irvine, K., Sovann, C., Suthipong, S., Kok, S., & Chea, E.	2015	Application of PCSWMM to Assess Wastewater Treatment and Urban Flooding Scenarios in Phnom	<i>Journal of Water Management Modeling</i> , (September). https://doi.org/10.14796/jwmm.c389

		Penh, Cambodia: A Tool to Support Eco-City Planning.	
Jaung, W., & Carrasco, L. R.	2020	Travel cost analysis of an urban protected area and parks in Singapore: a mobile phone data application.	<i>Journal of Environmental Management</i> , 261(June 2019), 110238. https://doi.org/10.1016/j.jenvman.2020.110238
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Koh, H. L., Tan, W. K., Teh, S. Y., & Tay, C. J.	2019	Water quality simulation for rehabilitation of a eutrophic lake in Selangor, Malaysia.	<i>IOP Conference Series: Earth and Environmental Science</i> , 380(1). https://doi.org/10.1088/1755-1315/380/1/012006
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Lee, W. K., Tay, S. H. X., Ooi, S. K., & Friess, D. A.	2020	Potential short wave attenuation function of disturbed mangroves.	<i>Estuarine, Coastal and Shelf Science</i> , (March), 106747. https://doi.org/10.1016/j.ecss.2020.106747
Leksono, A. S., Poewoningsih, D., & Ika, N. W. P. M.	2018	Green open space demand and community place attachment in Batu, East Java.	<i>Landscape Ecology for Sustainable Society</i> , 285–294. https://doi.org/10.1007/978-3-319-74328-8_17
Liao, K-H., Deng, S., & Tan, P. Y.	2017	Blue-Green Infrastructure: New Frontier for Sustainable Urban Stormwater Management	Greening Cities: Forms and Functions, Advances in 21st Century Human Settlements, doi:10.1007/978-981-10-4113-6_10
Lim, V.-C., Ramli, R., Bhassu, S., & Wilson, J.-J.	2018	Pollination implications of the diverse diet of tropical nectar-feeding bats roosting in an urban cave.	<i>PeerJ</i> , 2018(3). https://doi.org/10.7717/peerj.4572

Lim, V. C., Clare, E. L., Littlefair, J. E., Ramli, R., Bhassu, S., & Wilson, J. J.	2018	Impact of urbanisation and agriculture on the diet of fruit bats.	<i>Urban Ecosystems</i> , 21(1), 61–70. https://doi.org/10.1007/s11252-017-0700-3
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Meerow, S.	2019	A green infrastructure spatial planning model for evaluating ecosystem service tradeoffs and synergies across three coastal megacities.	<i>Environmental Research Letters</i> , 14(12). https://doi.org/10.1088/1748-9326/ab502c
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Moser-Reischl, A., Uhl, E., Rötzer, T., Biber, P., van Con, T., Tan, N. T., & Pretzsch, H.	2018	Effects of the urban heat Island and climate change on the growth of <i>Khaya senegalensis</i> in Hanoi, Vietnam	<i>Forest Ecosystems</i> , 5(1). https://doi.org/10.1186/s40663-018-0155-x
Mrozik, W., Vinitnantharat, S., Thongsamer, T., Pansuk, N., Pattanachan, P., Thayanukul, P., Acharya, K., Baluja, M. Q., Hazlerigg, C., Robson, A. F., Davenport, R. J. & Werner, D.	2019	The food-water quality nexus in periurban aquacultures downstream of Bangkok, Thailand.	<i>Science of the Total Environment</i> , 695, 133923. https://doi.org/10.1016/j.scitotenv.2019.133923
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Norvyani, D. A., Riqqi, A., Harto, A. B., & Safitri, S.	2018	The mapping of quantitative carrying capacity using multi-scale grid system (Case study: Water-provisioning ecosystem services in greater Bandung, West Java, Indonesia).	<i>HAYATI Journal of Biosciences</i> , 25(1), 40–46. https://doi.org/10.4308/hjb.25.1.40
Nurda, N., Noguchi, R., & Ahamed, T.	2020	Change detection and land suitability analysis for extension of potential forest areas in Indonesia using satellite remote sensing and GIS	<i>Forests</i> , 11(4), 1–22. https://doi.org/10.3390/F11040398
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