

Appendix 1. Regression equations to calculate carbon storage in study greenspaces

	Species	DBH	Equation*	Source	
Tree	<i>Abies holophylla</i>	5-19	$\ln Y = -2.2126 + 2.0814 \ln DBH$	Jo et al. (2014)	
	<i>Acer palmatum</i>	5-20	$Y = -23.2064 + 4.8538 DBH$	Jo and Ahn (2012)	
	<i>Camellia japonica</i>	4-10	$\ln Y = -4.9154 + 3.1833 \ln DAG$	Jo et al. (2019c)	
	<i>Chionanthus retusus</i>	3-11	$\ln Y = -2.7512 + 2.4952 \ln DBH$	Jo et al. (2014)	
	<i>Cornus officinalis</i>	3-15	$\ln Y = -3.3110 + 2.4057 \ln DAG$	Jo et al. (2014)	
	<i>Ginkgo biloba</i>	5-25	$\ln Y = -2.8428 + 2.3787 \ln DBH$	Jo and Ahn (2012)	
	<i>Ilex rotunda</i>	3-12	$\ln Y = -3.4312 + 2.6207 \ln DBH$	Jo et al. (2019b)	
	<i>Lagerstroemia indica</i>	3-14	$\ln Y = -3.2502 + 2.3199 \ln DAG$	Jo et al. (2019c)	
	<i>Machilus thunbergii</i>	4-17	$\ln Y = -2.6239 + 2.4213 \ln DAG$	Jo et al. (2019b)	
	<i>Pinus densiflora</i>	5-25	$\ln Y = -3.1140 + 2.4430 \ln DBH$	Jo et al. (2013)	
	<i>Pinus koraiensis</i>	5-31	$\ln Y = -4.4489 + 2.8942 \ln DBH$	Jo et al. (2013)	
	<i>Pinus thunbergii</i>	5-39	$\ln Y = -3.0190 + 2.4371 \ln DBH$	GIR (2023)	
	<i>Prunus armeniaca</i>	4-14	$\ln Y = -2.4307 + 2.2999 \ln DBH$	Jo et al. (2014)	
	<i>Prunus yedoensis</i>	5-23	$\ln Y = -2.8265 + 2.4181 \ln DBH$	Jo and Ahn (2012)	
	<i>Quercus myrsinifolia</i>	3-17	$\ln Y = -2.4849 + 2.4593 \ln DBH$	Jo et al. (2019c)	
	<i>Taxus cuspidata</i>	2-15	$\ln Y = -3.7842 + 2.4407 \ln DAG$	Jo et al. (2014)	
	<i>Zelkova serrata</i>	5-28	$\ln Y = -2.4708 + 2.3862 \ln DBH$	Jo and Ahn (2012)	
		<i>General hardwoods</i>	3-28	$\ln Y = -2.5274 + 2.3431 \ln DBH$	Jo (2020)
		<i>General softwoods</i>	5-31	$\ln Y = -3.313 + 2.5098 \ln DBH$	Jo (2020)
Shrub	<i>Pinus</i> spp.	0.6-3.6	$\ln Y = 4.0685 + 2.1892 \ln DAG \times (0.5)$	Jo (2002)	
	<i>Rhododendron</i> spp.	0.5-3.4	$\ln Y = 3.8212 + 2.3652 \ln DAG \times (0.5)$	Jo (2002)	
		0.4-2.6	$Y = -133.28 + 2.3652 DAG \times (0.5)$		
	<i>General hardwoods</i>	0.4-4.0	$\ln Y = 4.1813 + 1.9494 \ln DAG \times (0.5)$	Jo (2002)	
	<i>General softwoods</i>	0.4-4.0	$\ln Y = -2.2796 + 2.2874 \ln DAG \times (0.5)$	Jo (2002)	

* Y = carbon storage (kg/tree), DBH = stem diameter at breast height (cm), DAG = stem diameter at ground level (cm)