

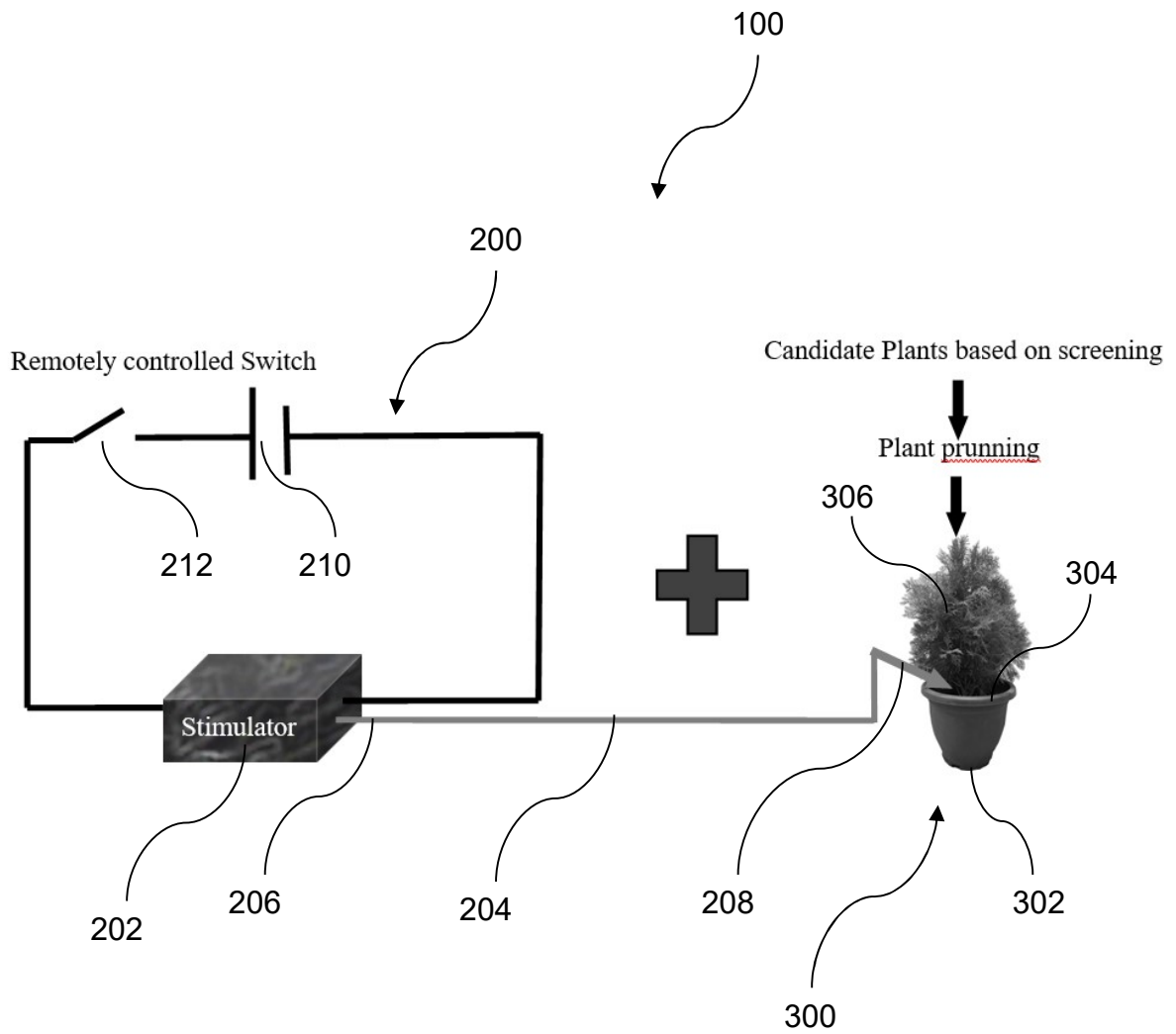


Figure 1

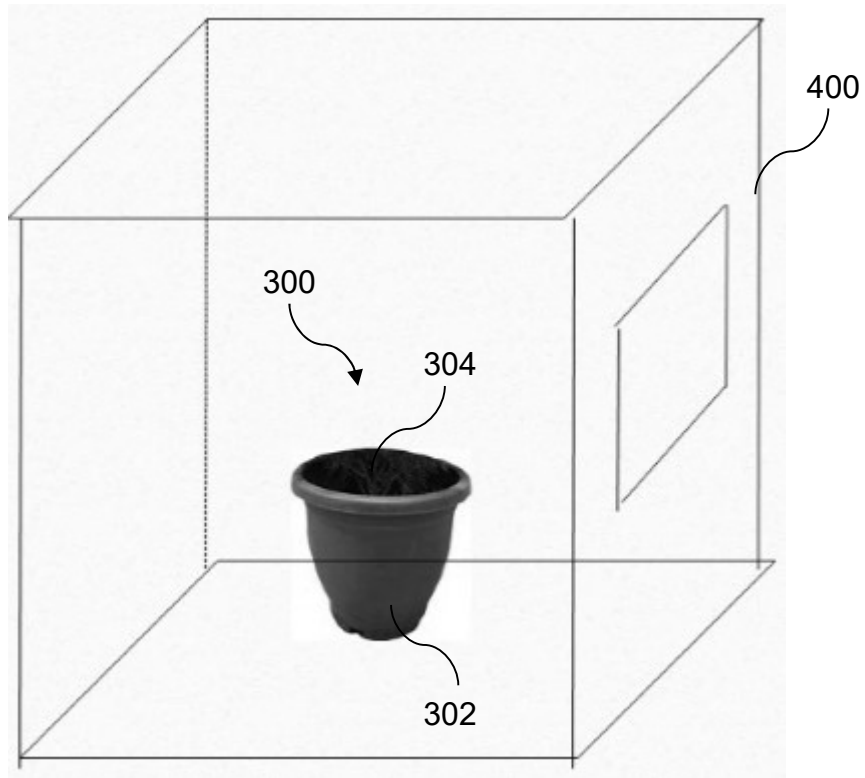


Figure 2A

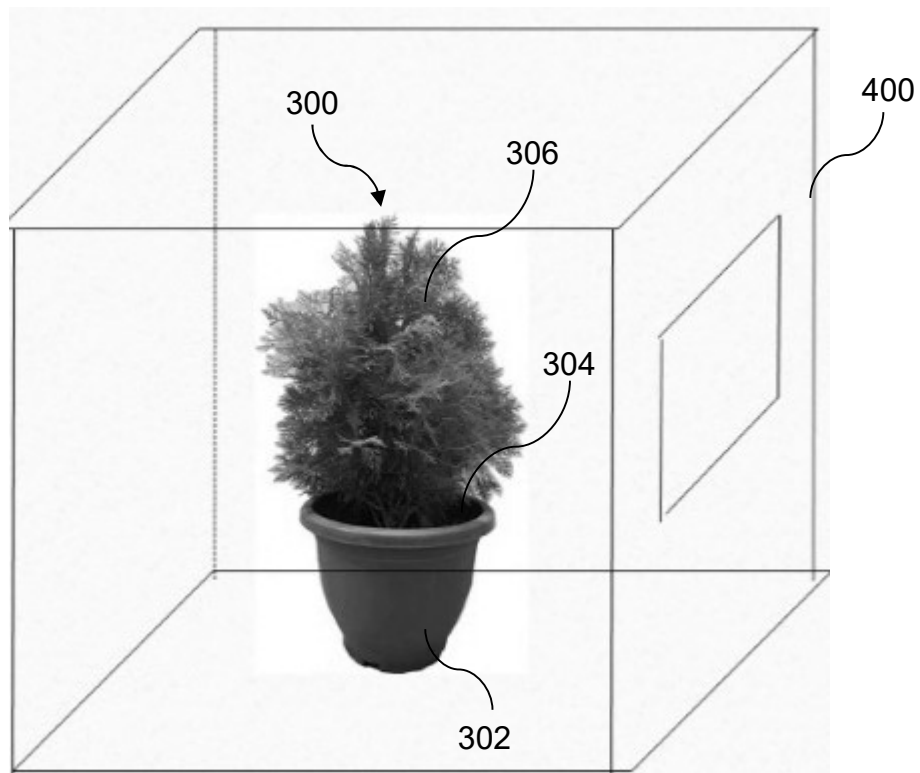


Figure 2B

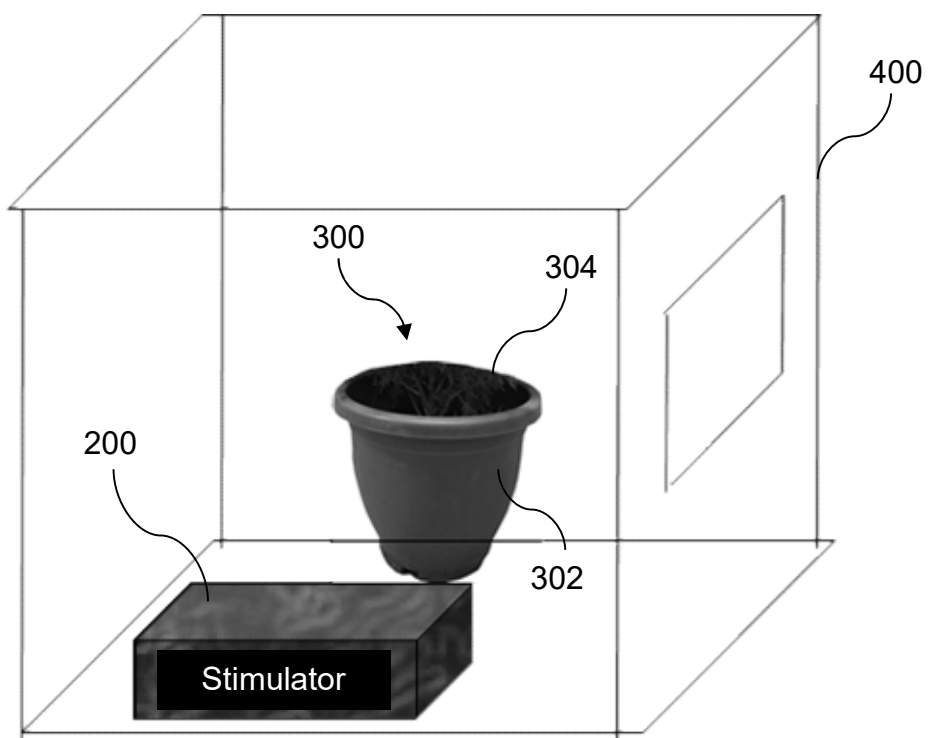


Figure 2C

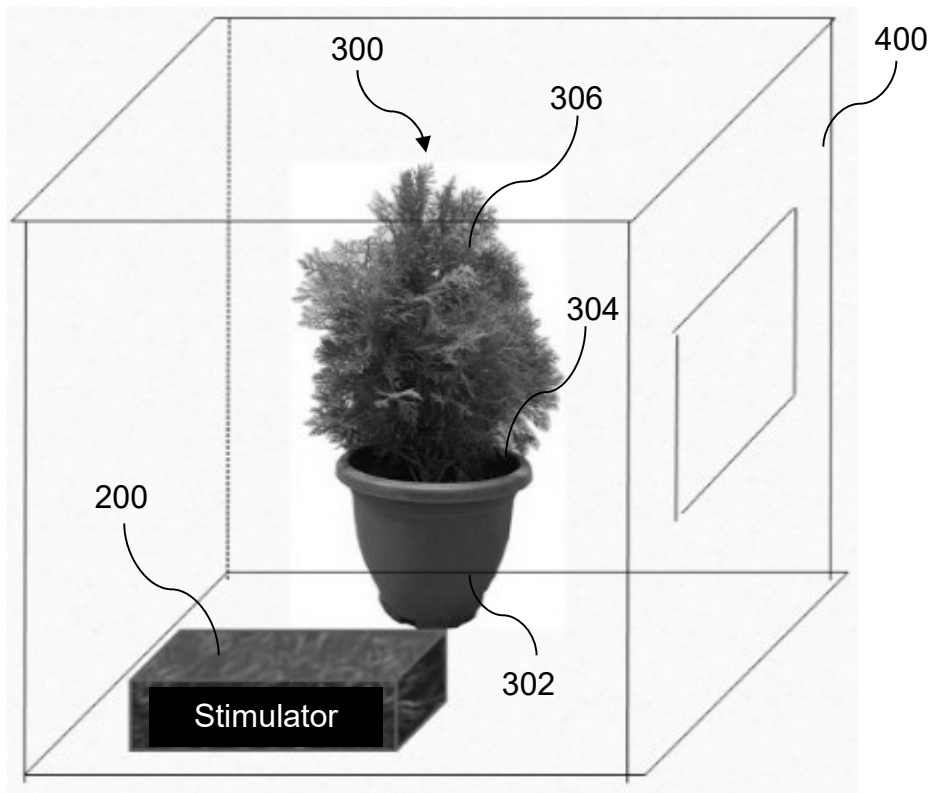


Figure 2D

Table 1

Planter 300	Conditions	Concentration of Negative Air Ions (NAIs/cm ³)
With soil 304 Without plants 306	Natural	55
With soil 304 With plants 306	Natural	120
With soil 304 Without plants 306	Pulsed Electric Field Stimulation	253
With soil 304 With plants 306	Pulsed Electric Field Stimulation	80 million

Figure 2E

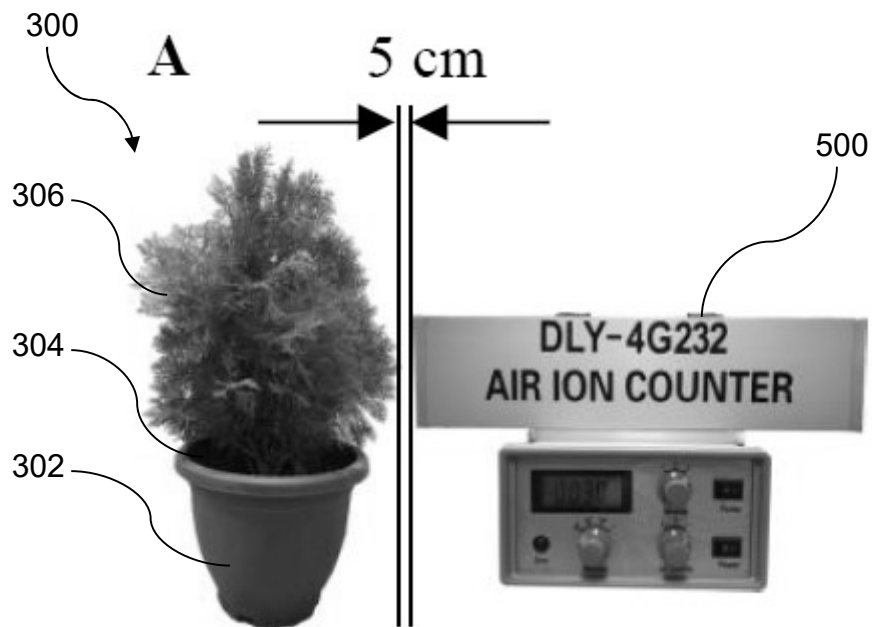


Figure 3A

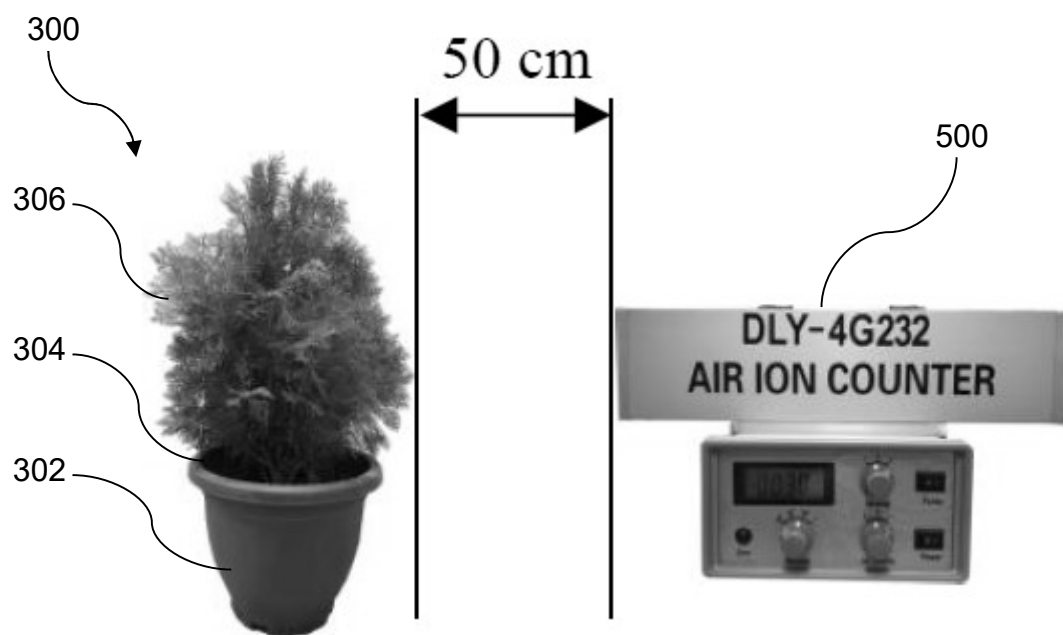


Figure 3B

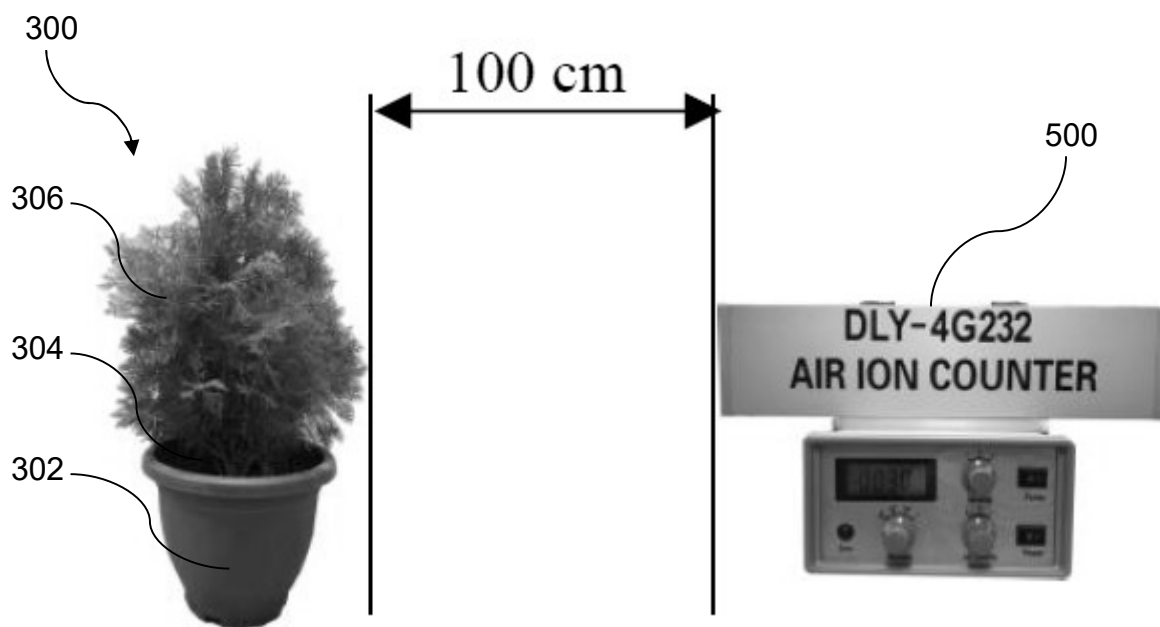


Figure 3C

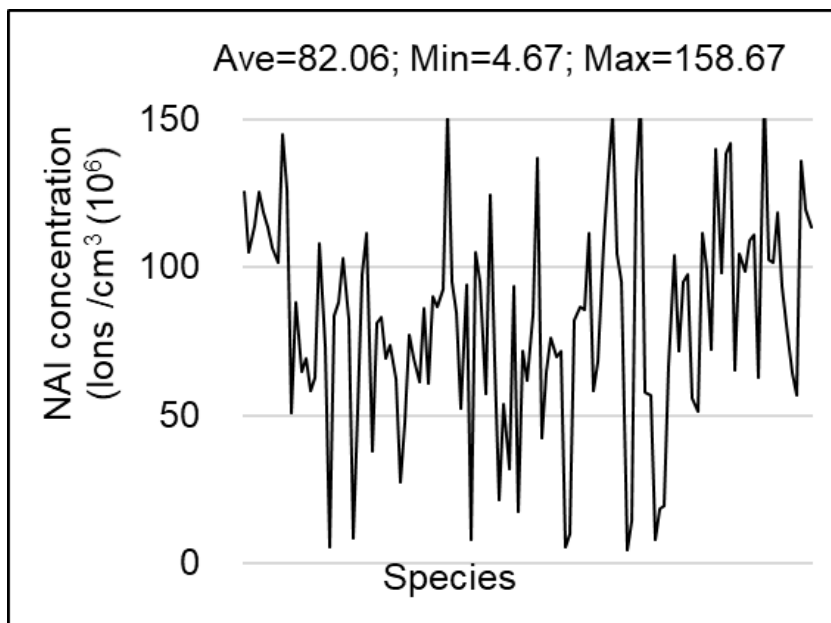


Figure 3D

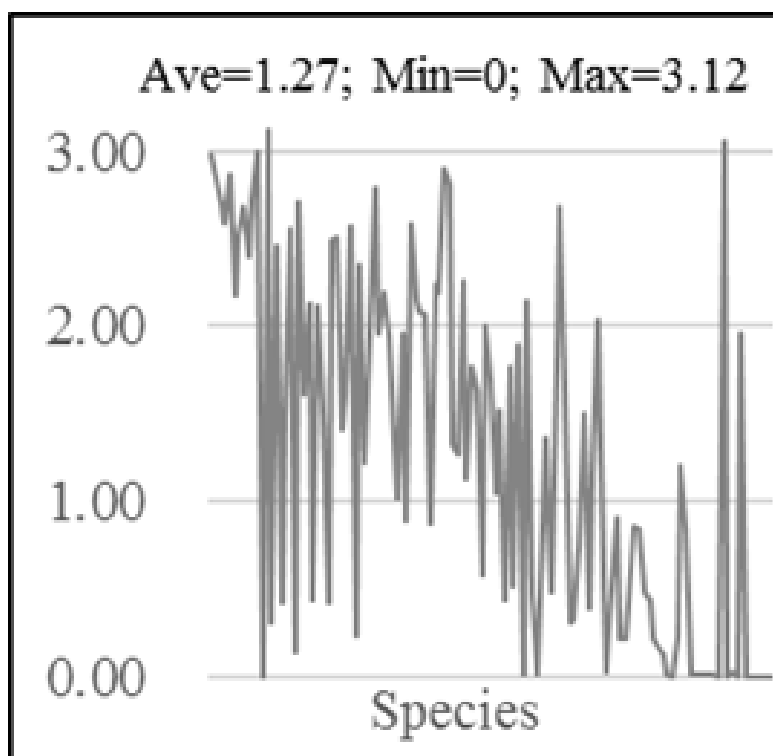


Figure 3E

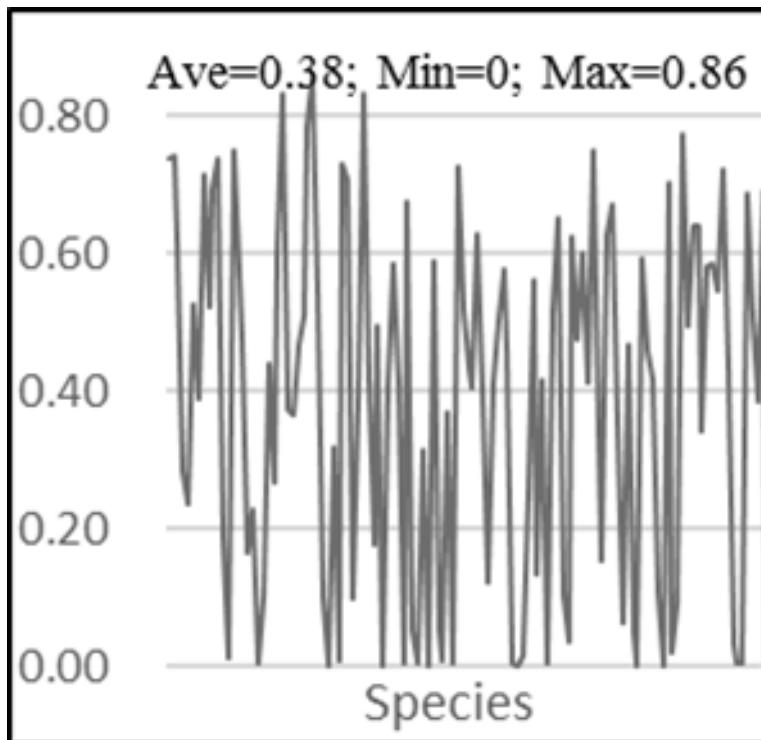


Figure 3F

Table 2

Generator of Negative Air Ions	Maximum Concentration of Negative Air Ions Released (million NAIs/cm ³)
LightAir Ion Generator Style	19
Medical Ion Mini	8.5
Sharp Ion Generator IG-GC2E	0.075
Apparatus 100	More than 100

Figure 4

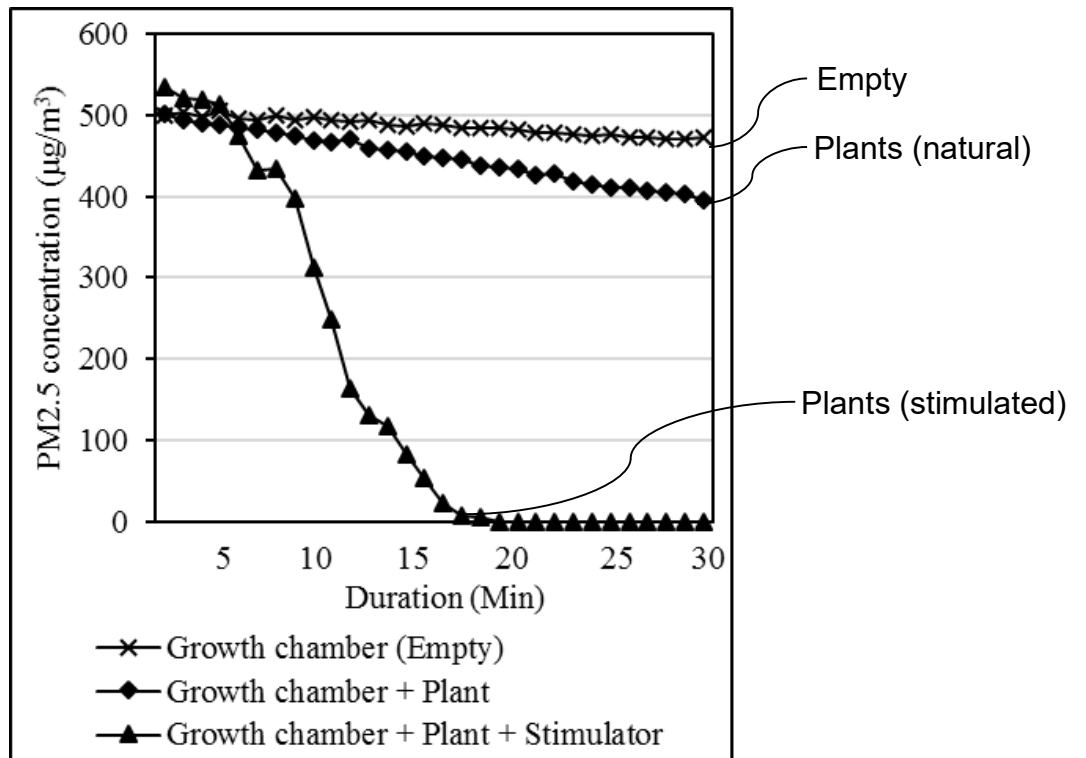


Figure 5A

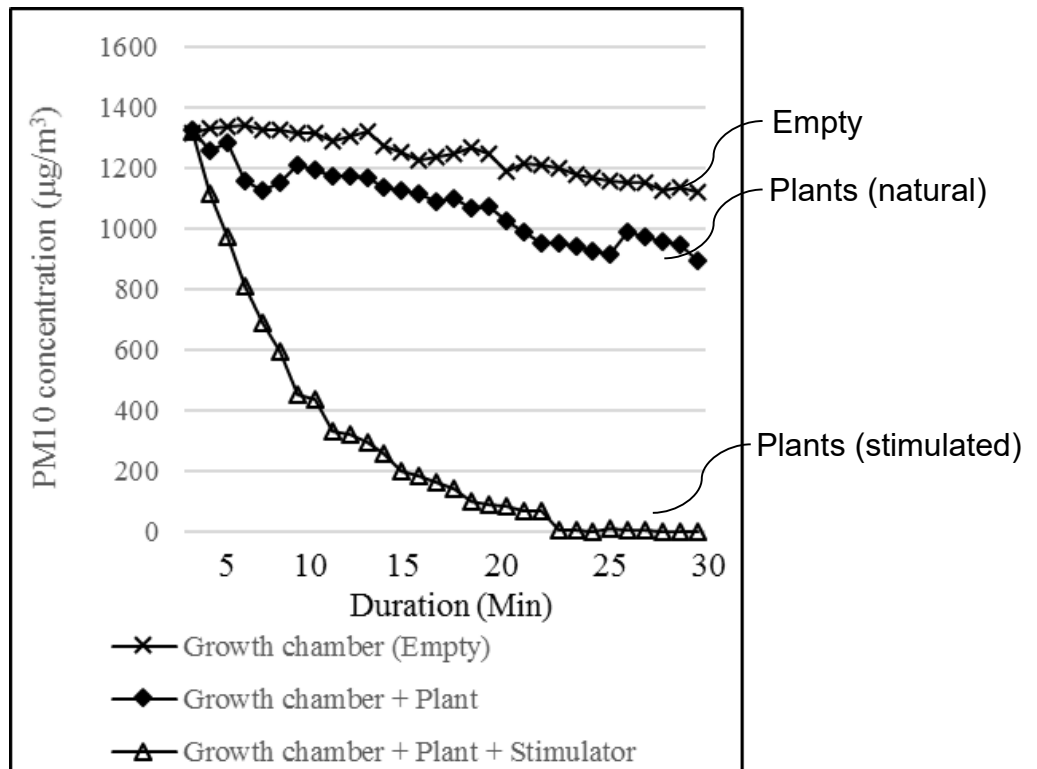


Figure 5B

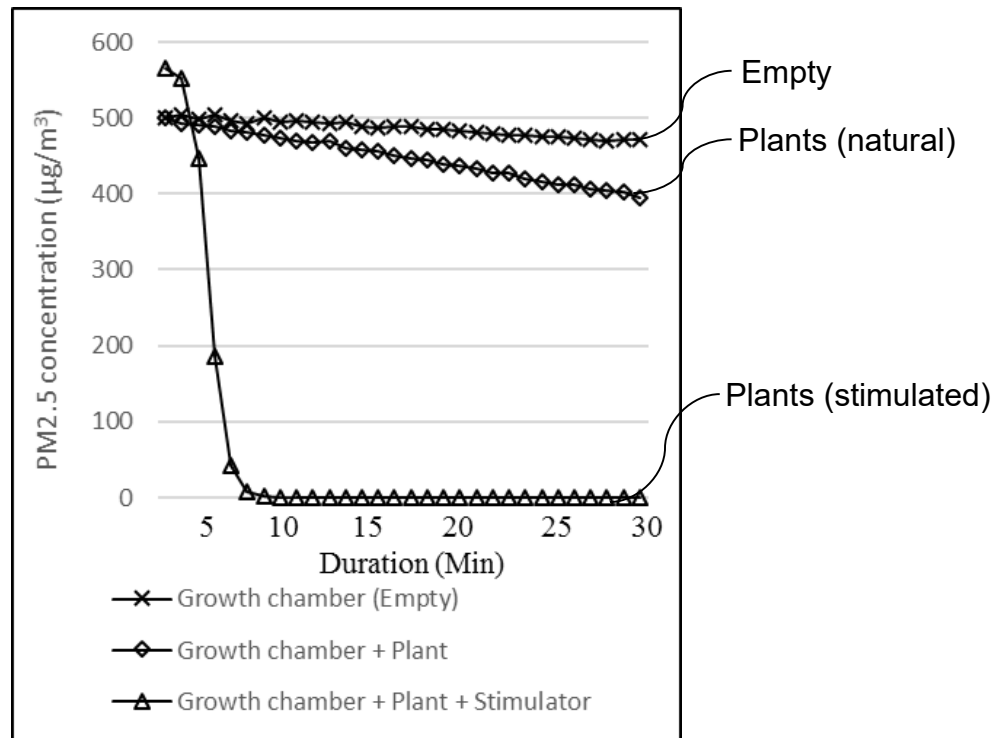


Figure 5C

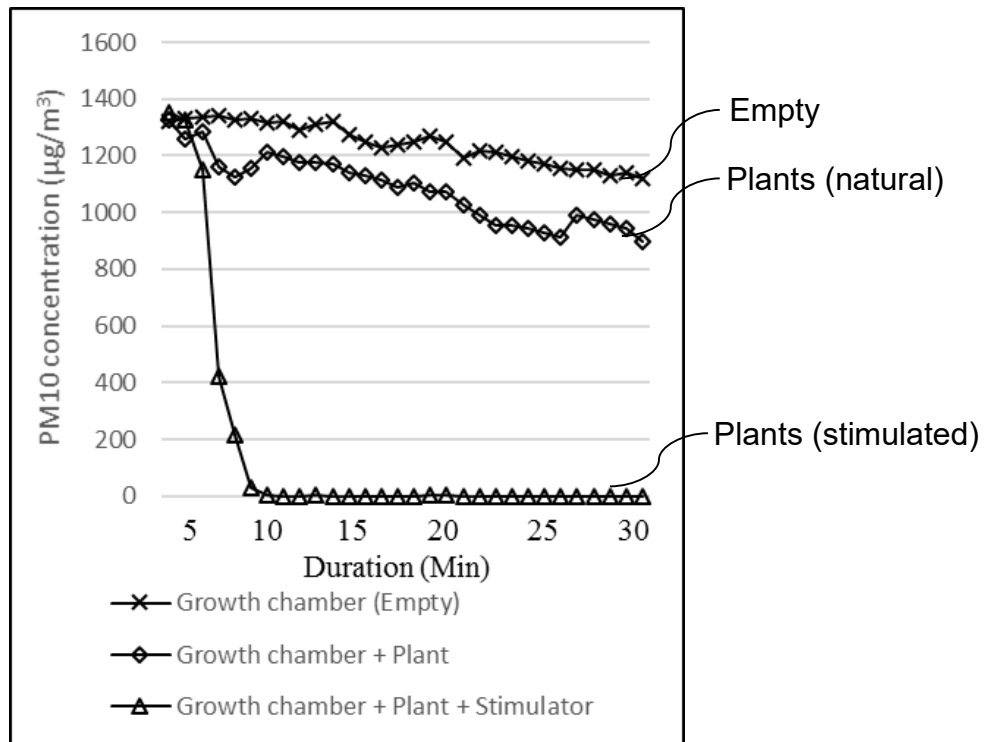


Figure 5D

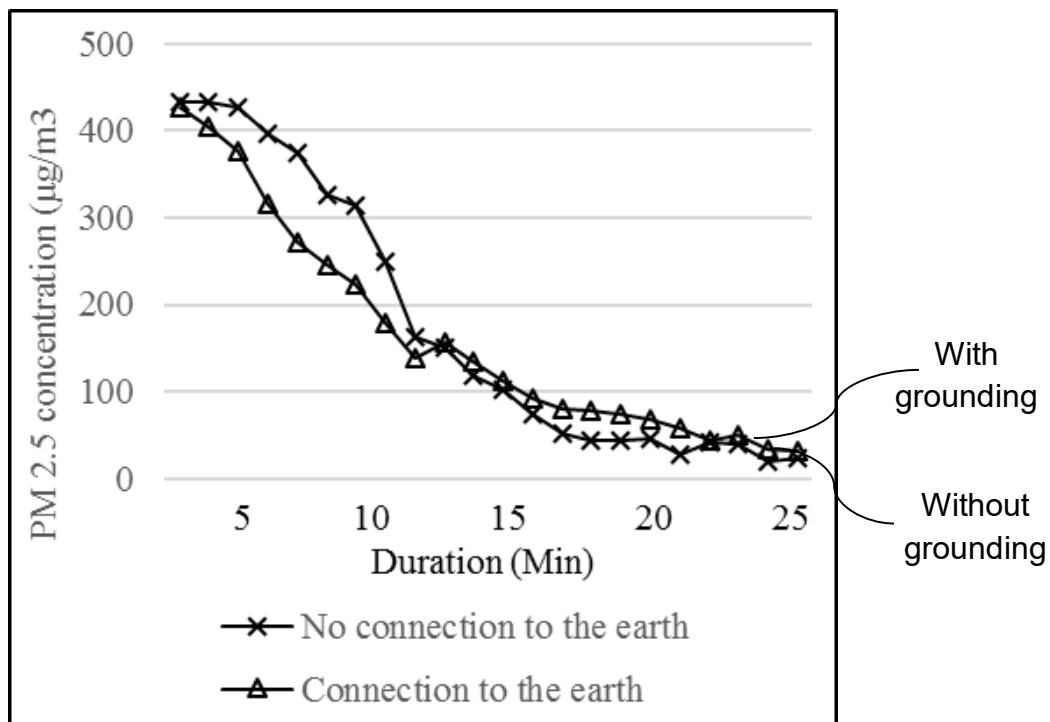


Figure 6A

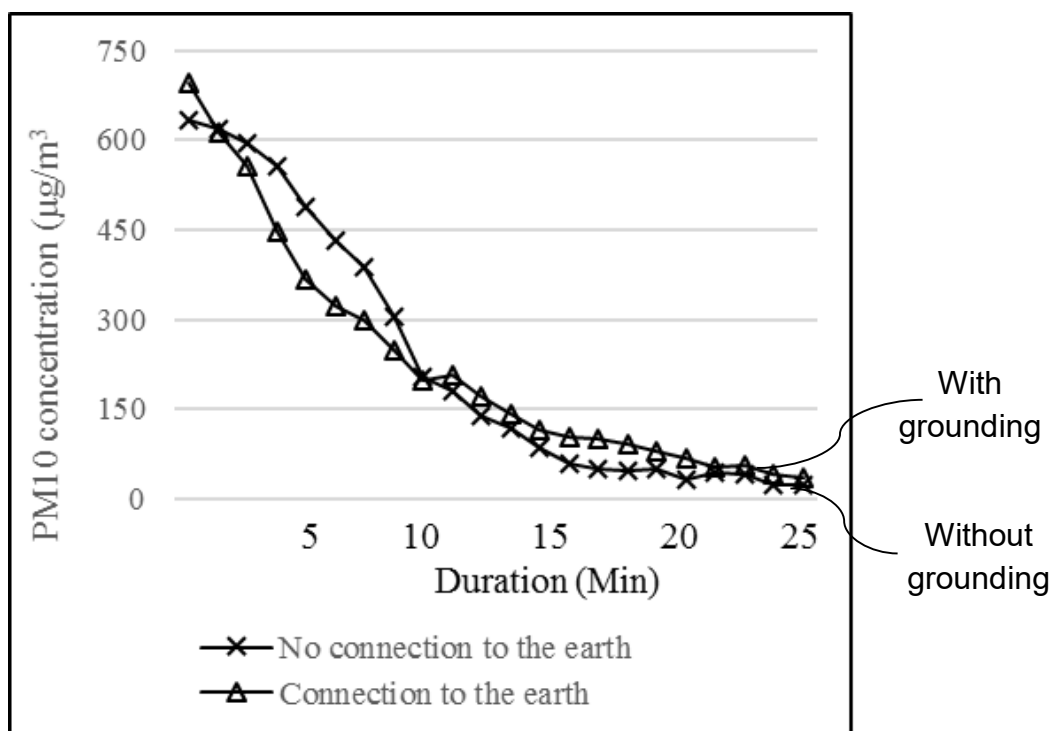


Figure 6B

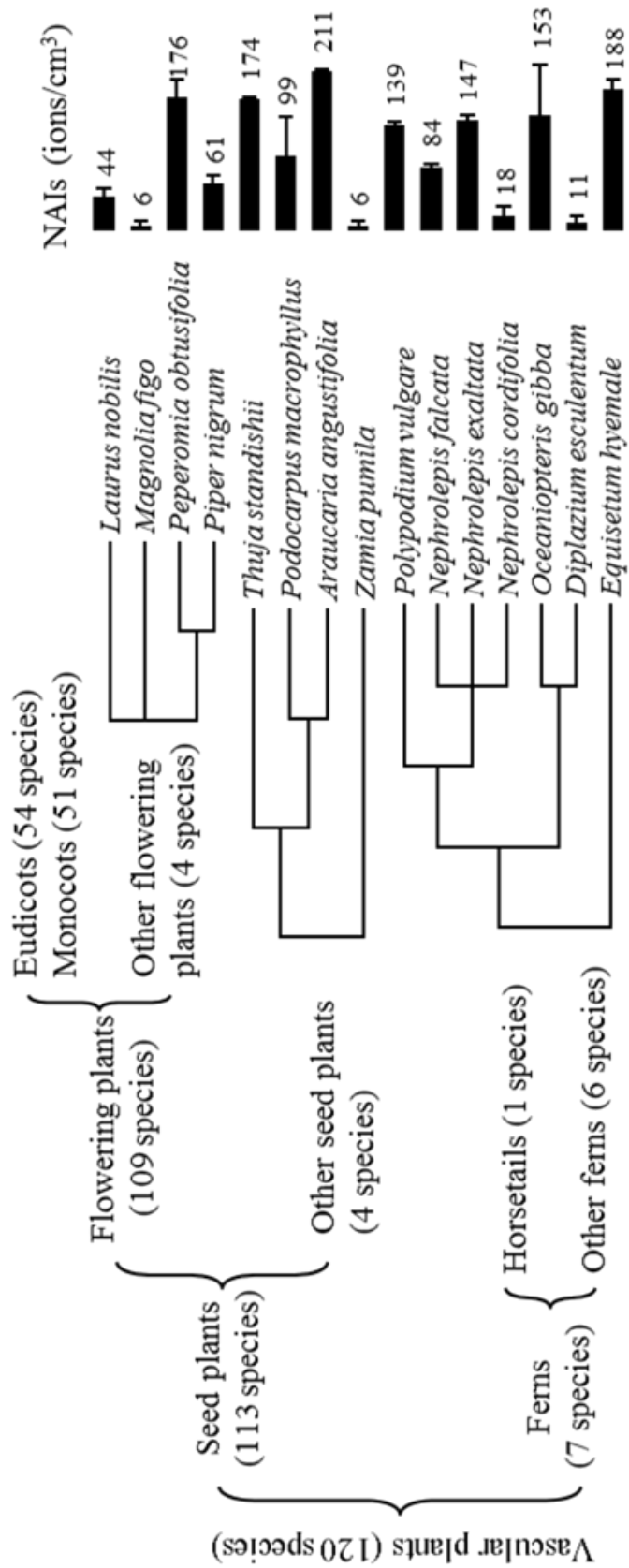
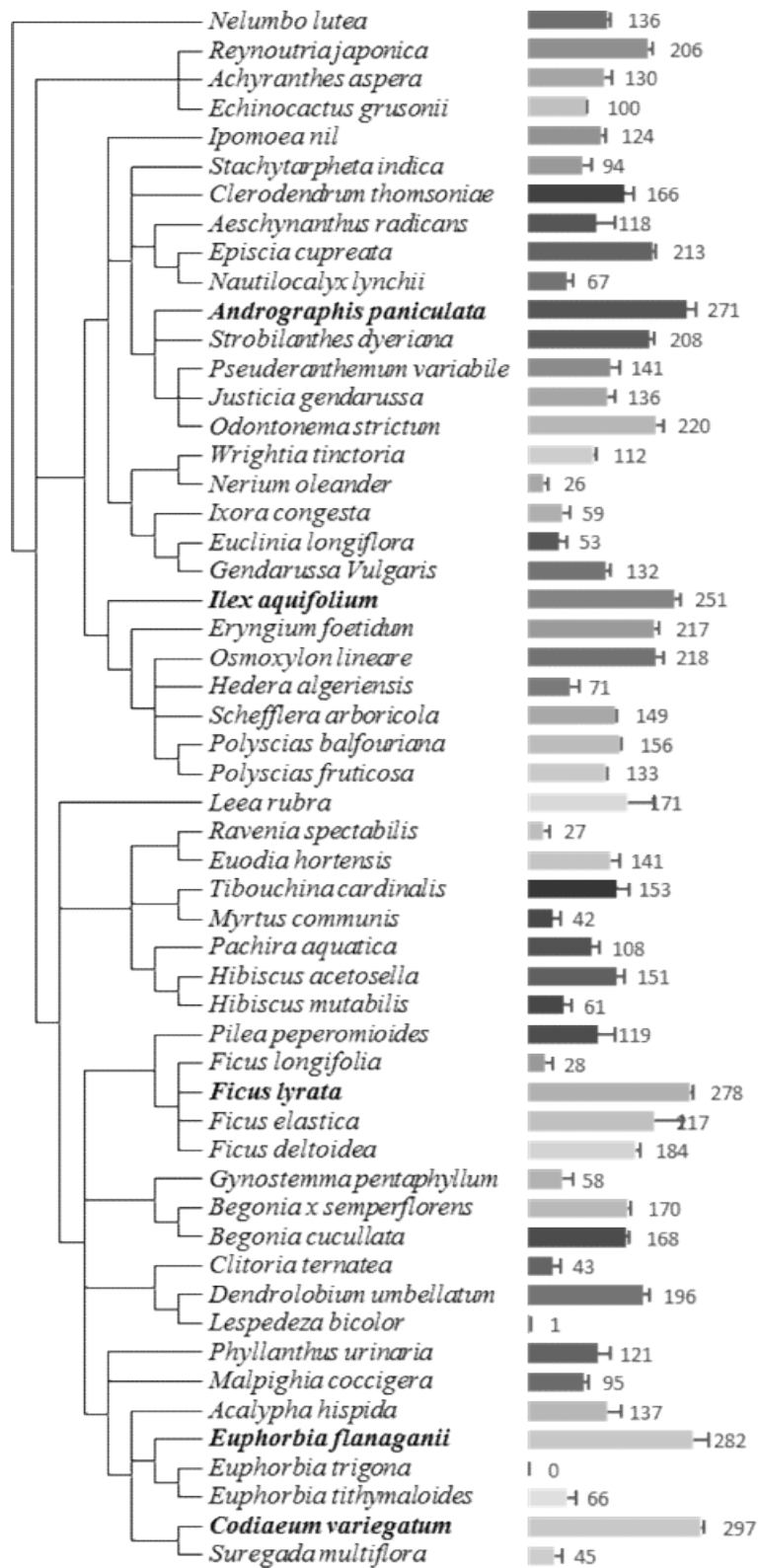
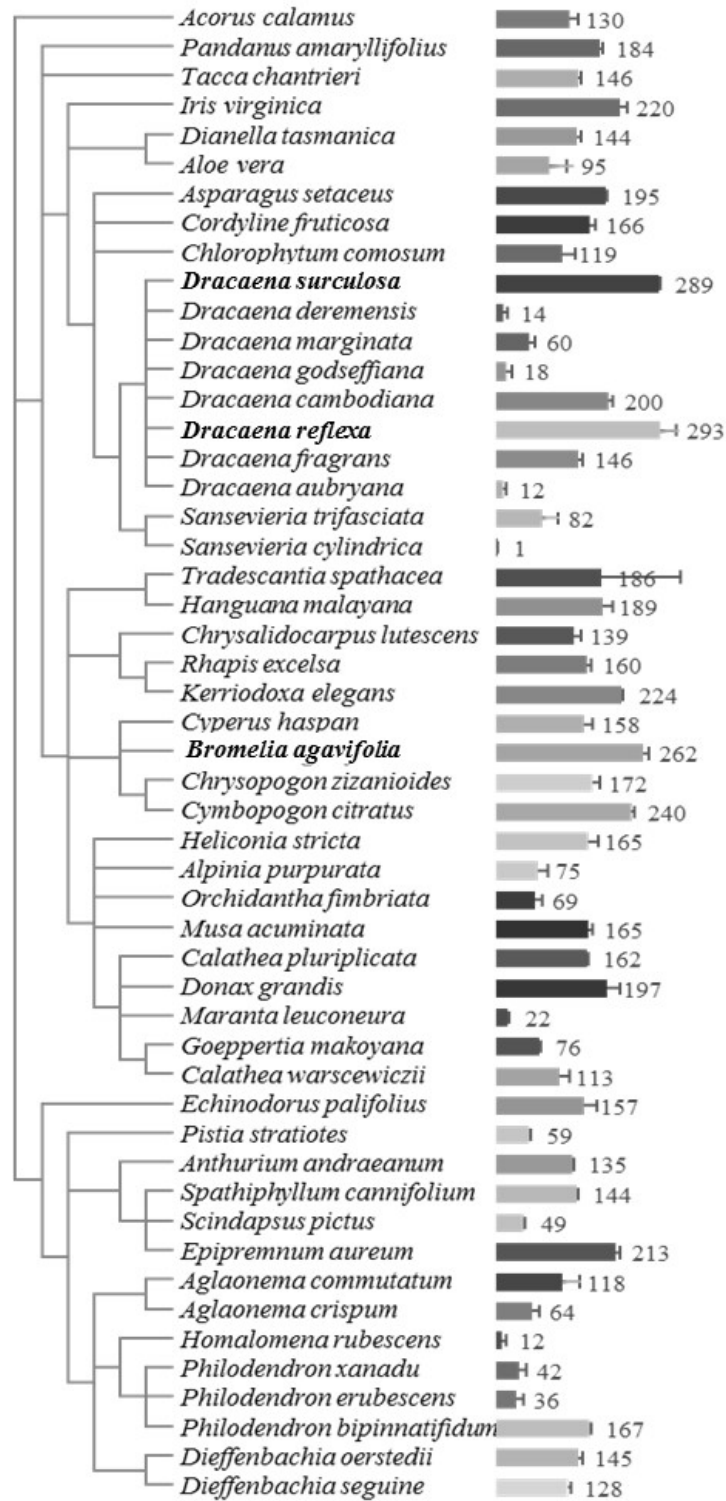


Figure 7A



Average NAI release: 140 ions/cm³

Figure 7B



Average NAI release: 132 ions/cm³

Figure 7C

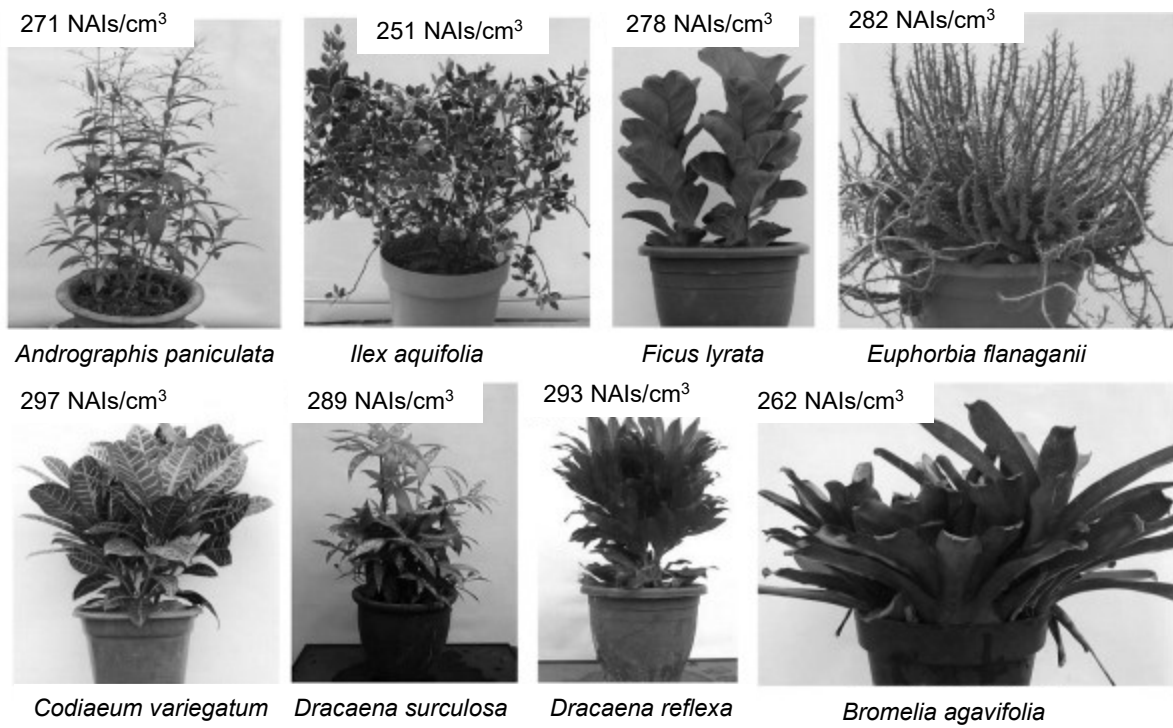


Figure 8A

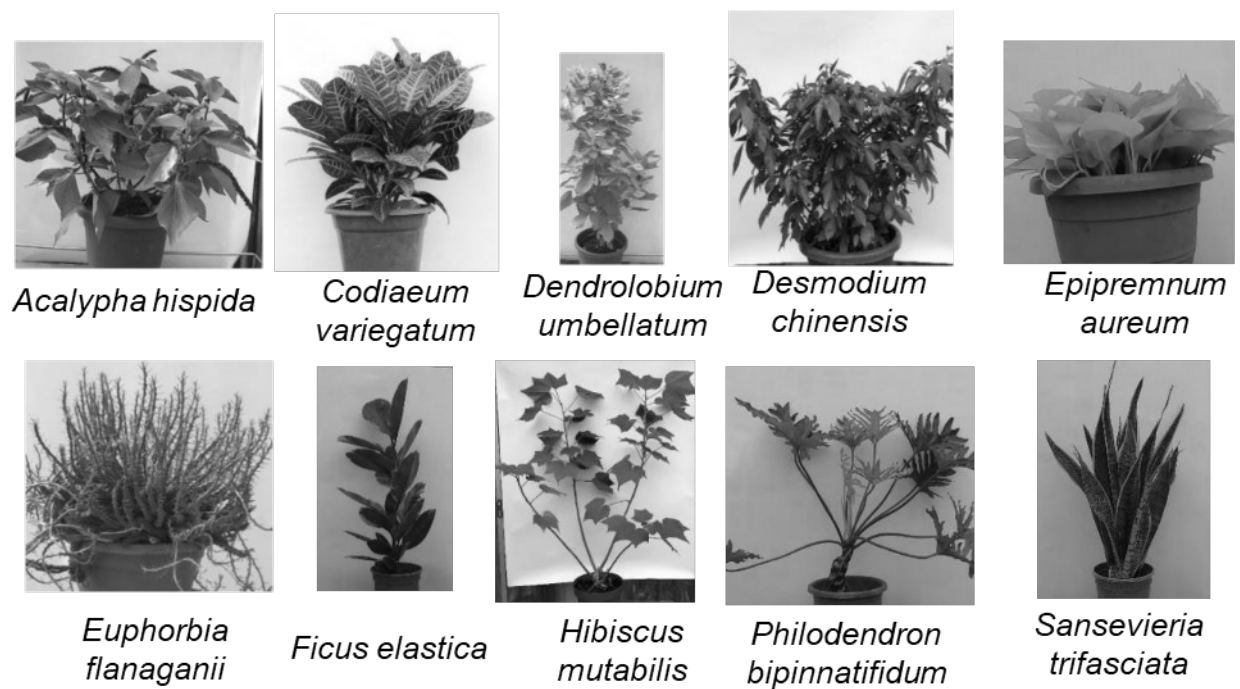
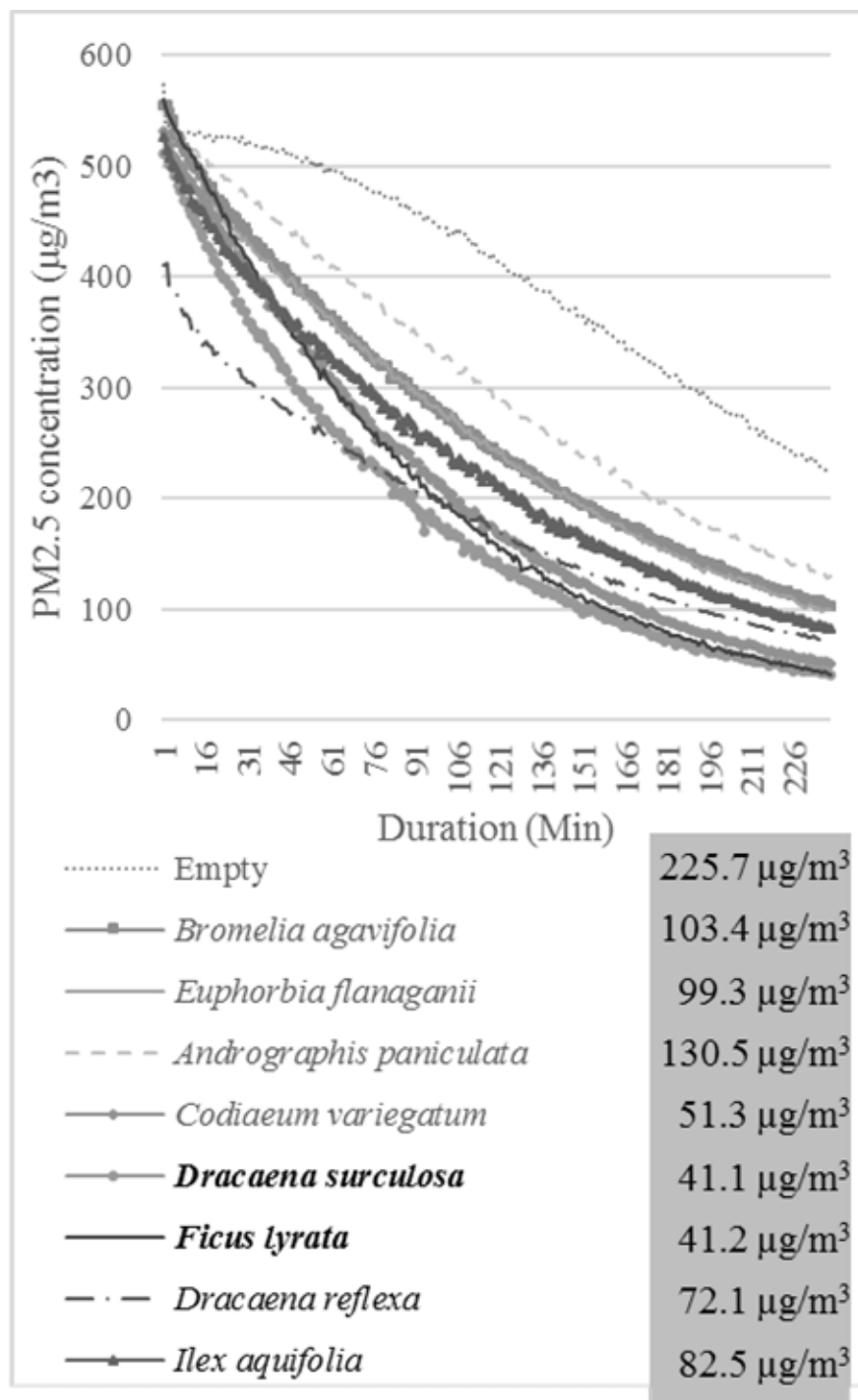
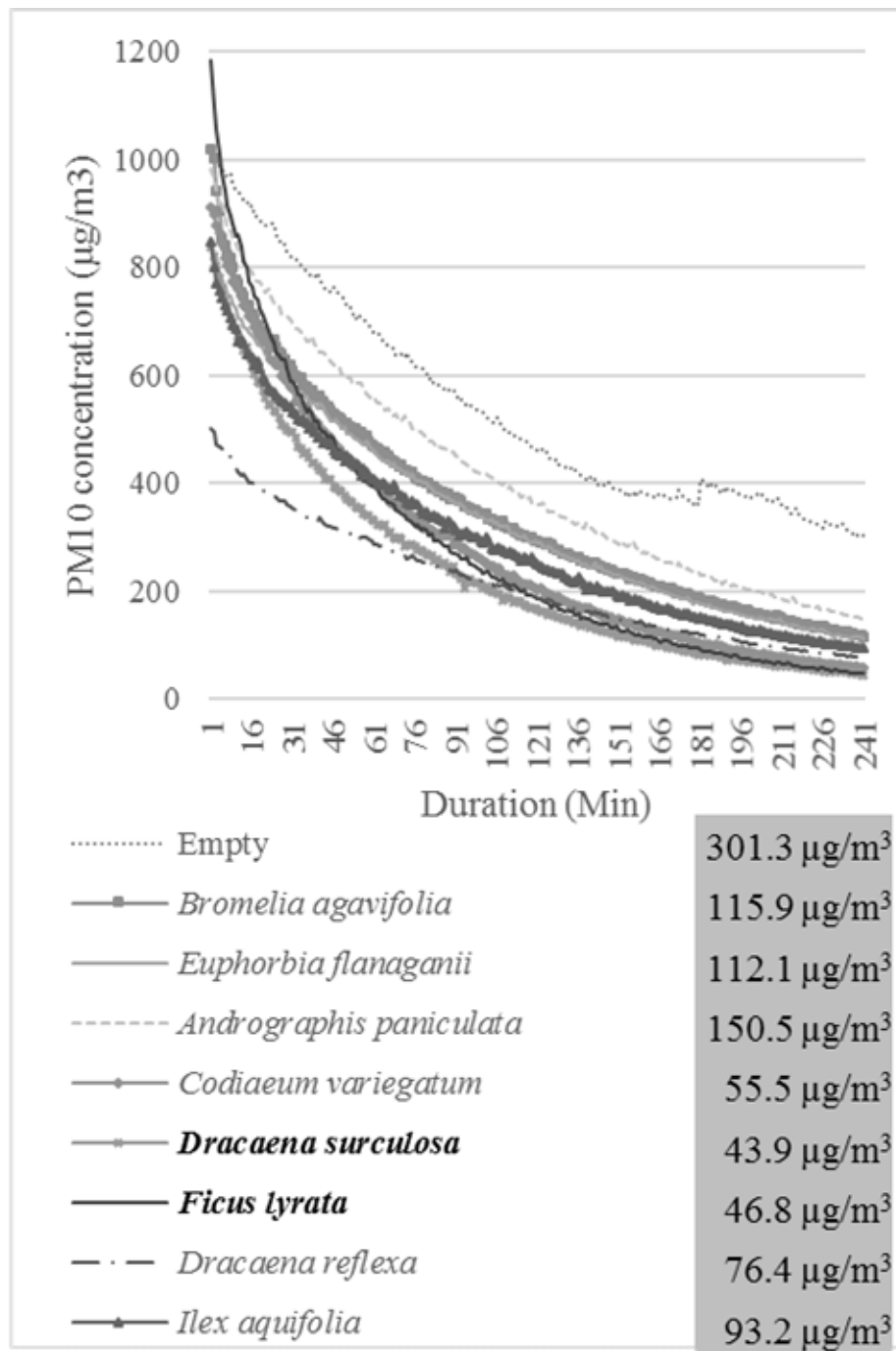


Figure 9A



PM2.5 concentrations of different treatments after 4 hours were shown in shadowed column

Figure 8B



PM10 concentrations of different treatments after 4 hours were shown in shadowed column

Figure 8C

Table 3

Plant Species	Concentration of Negative Air Ions (million NAIs/cm ³)		
	5 cm	50 cm	100 cm
<i>Acalypha hispida</i>	114.00	2.84	0.74
<i>Codiaeum variegatum</i>	125.33	2.86	0.83
<i>Dendrolobium umbellatum</i>	126.00	2.40	0.51
<i>Desmodium chinensis</i>	105.00	2.98	0.78
<i>Epipremnum aureum</i>	144.67	2.68	0.59
<i>Euphorbia flanaganii</i>	125.67	2.70	0.68
<i>Ficus elastica</i>	101.33	2.52	0.59
<i>Hibiscus mutabilis</i>	113.67	2.87	0.63
<i>Philodendron bipinnatifidum</i>	106.33	2.18	0.63
<i>Sansevieria trifasciata</i>	118.33	2.59	0.64

Figure 9B

Table 4

Reference	Plant Species	Frequency	Concentration of Negative Air Ions (million NAIs/cm ³)
[Wu R, et al., 2017]	<i>Zephyranthes carinata</i>	0.5 Hz to 2 Hz	3.24 to 3.95
PCT/CN2011/077325	Spider Plant	0.5 Hz	0.04
Apparatus 100	<i>Dracaena surculosa</i>	18 kHz to 48 kHz	63.29 to 64.92
Apparatus 100	<i>Dracaena surculosa</i>	18 kHz to 48 kHz	75.89 to 84.91

Figure 10

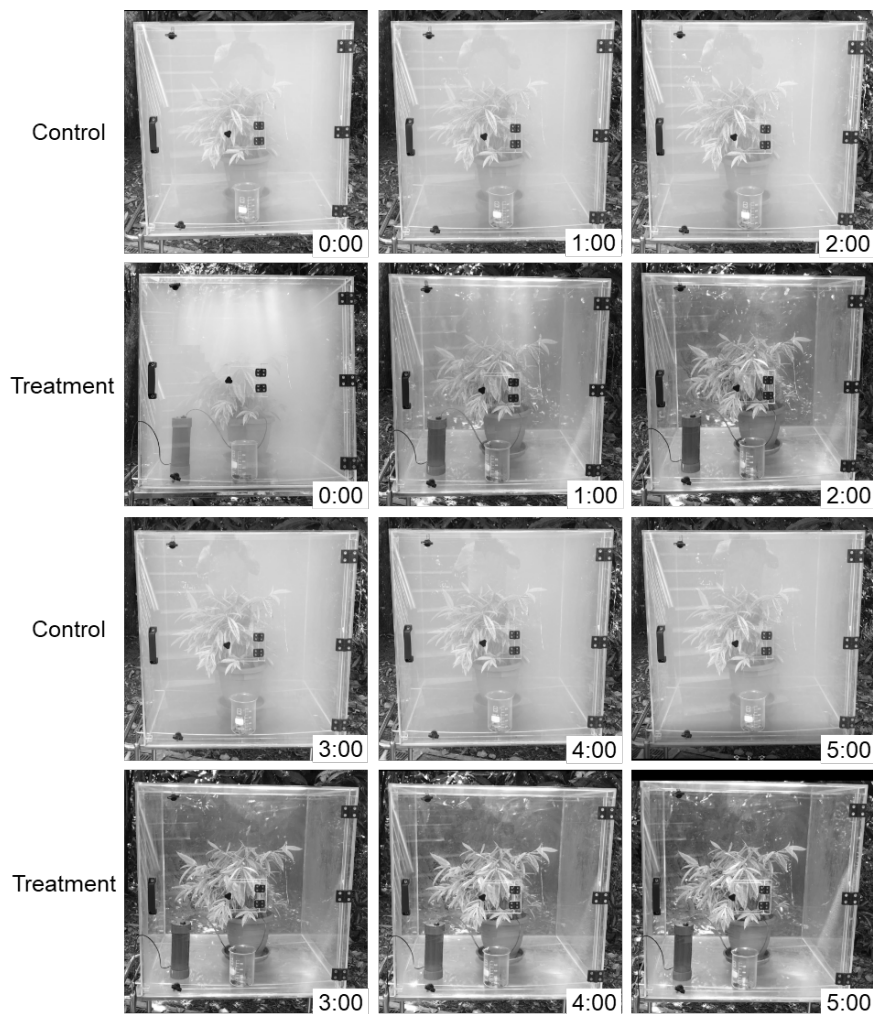


Figure 11A

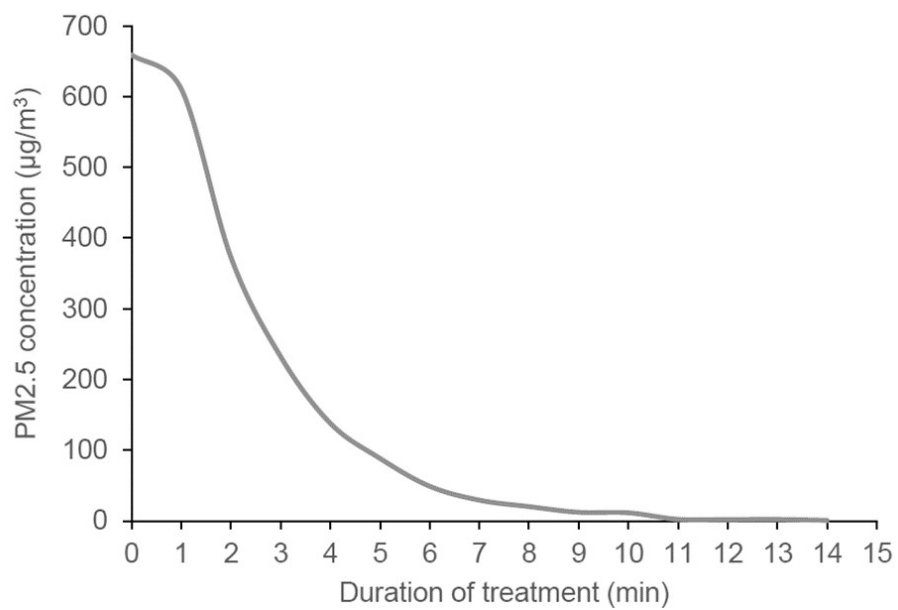


Figure 11B

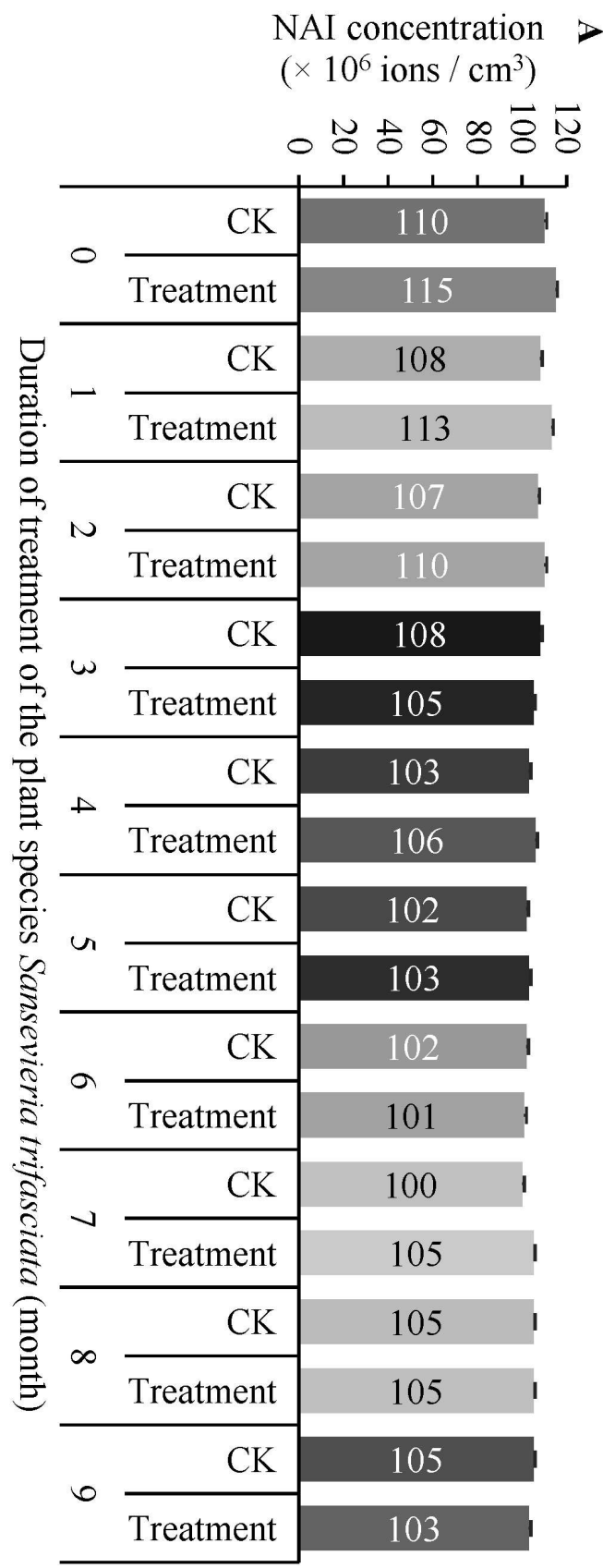


Figure 12A

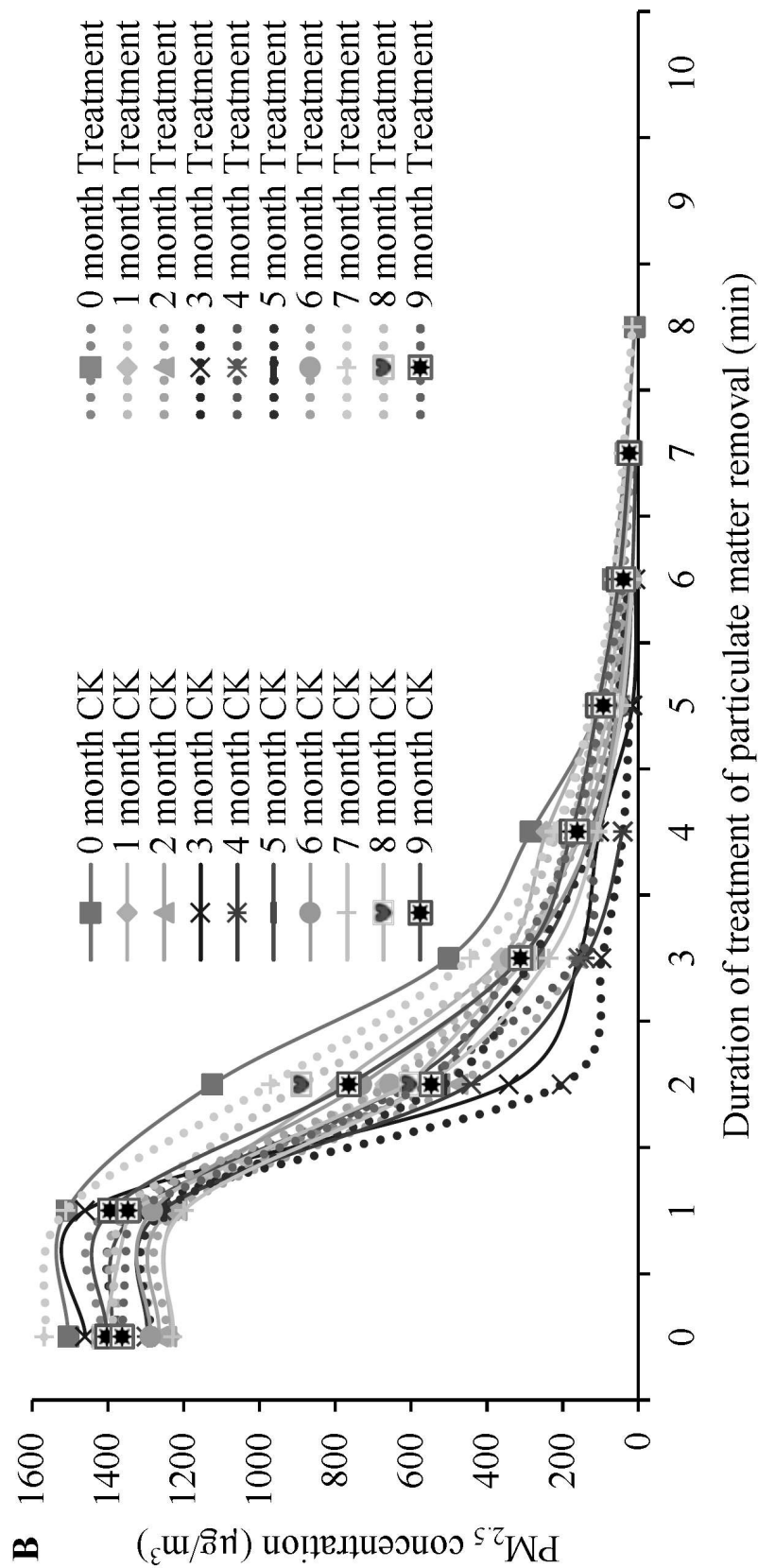


Figure 12B

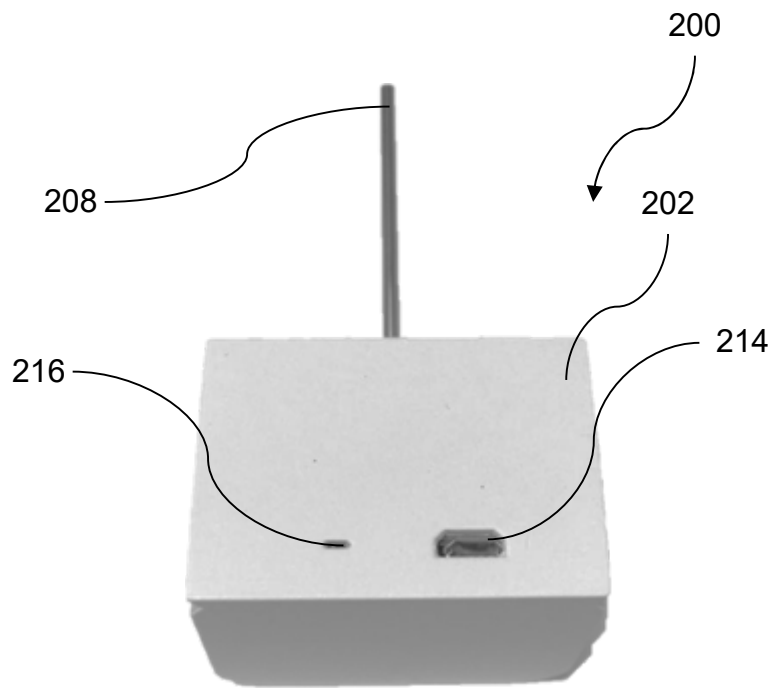


Figure 13A

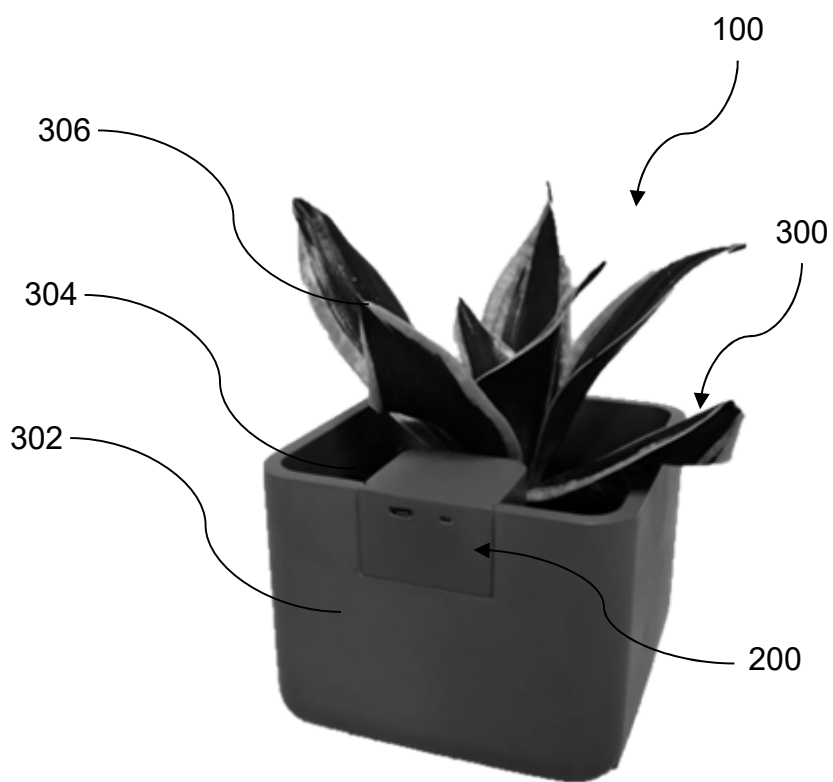


Figure 13B

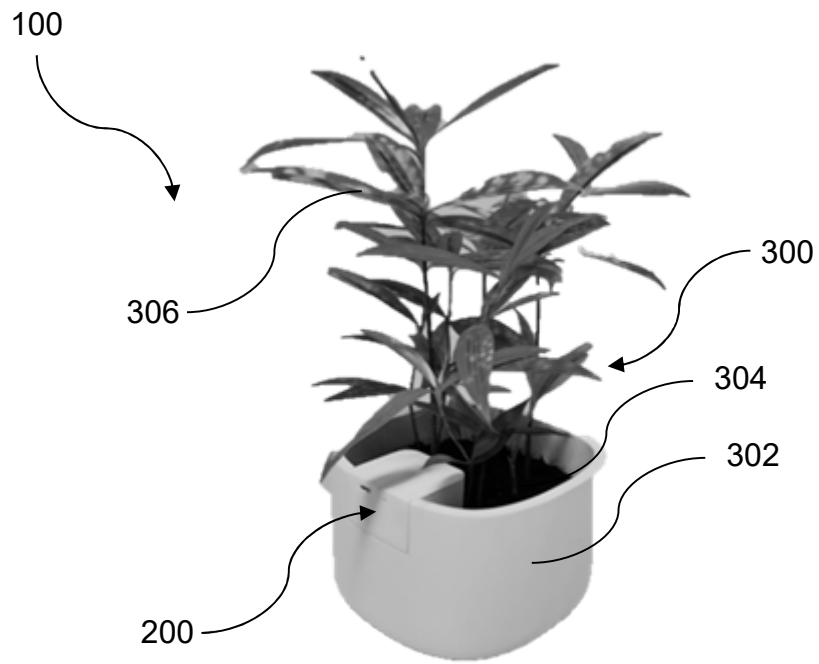


Figure 13C

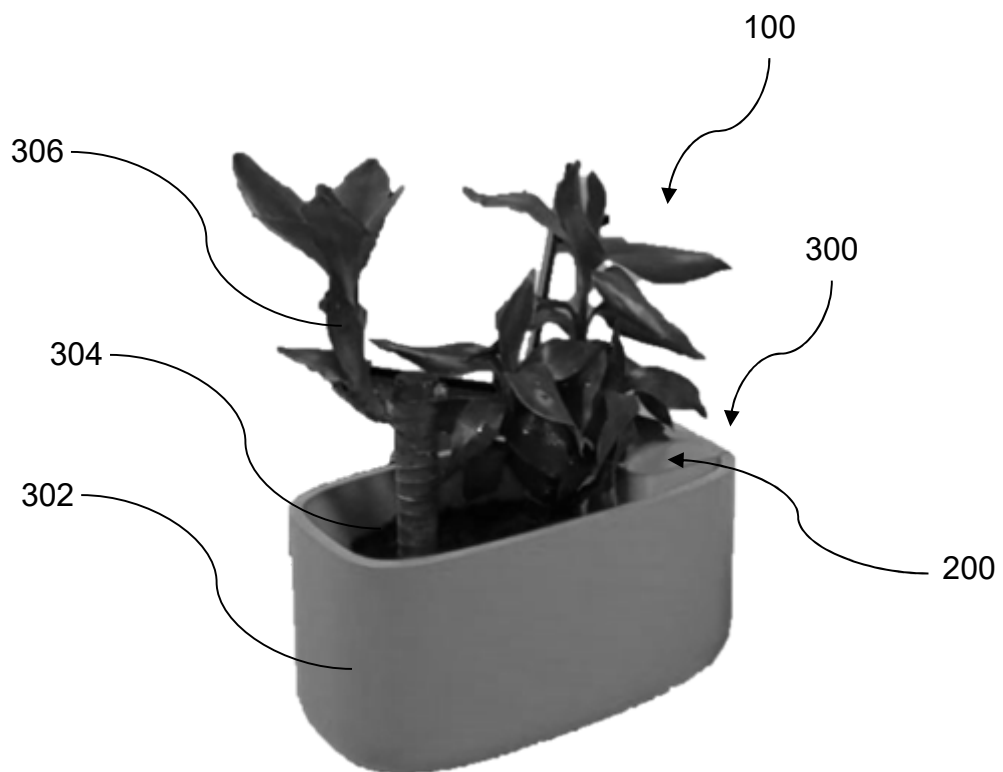


Figure 13D

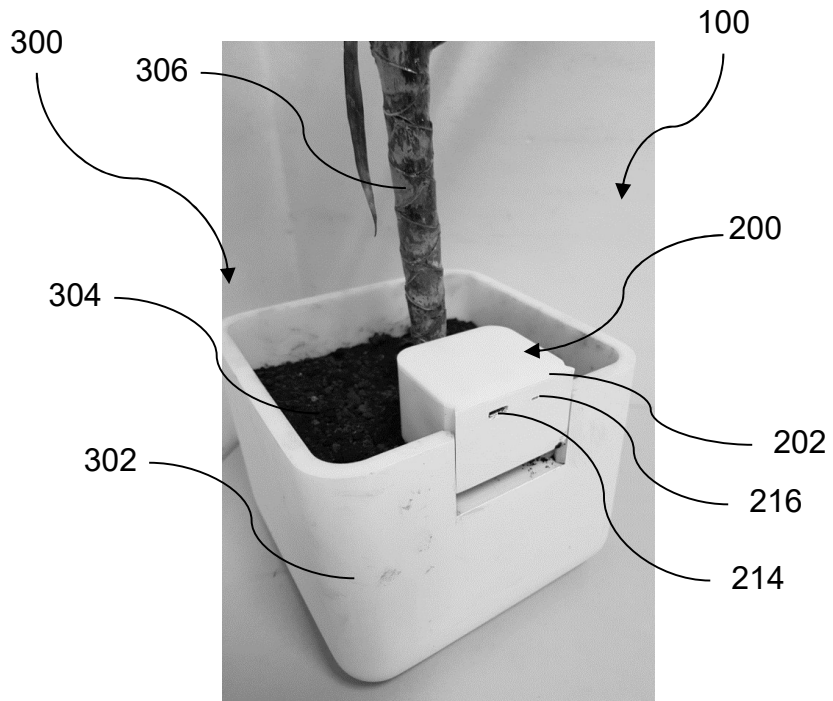


Figure 14A

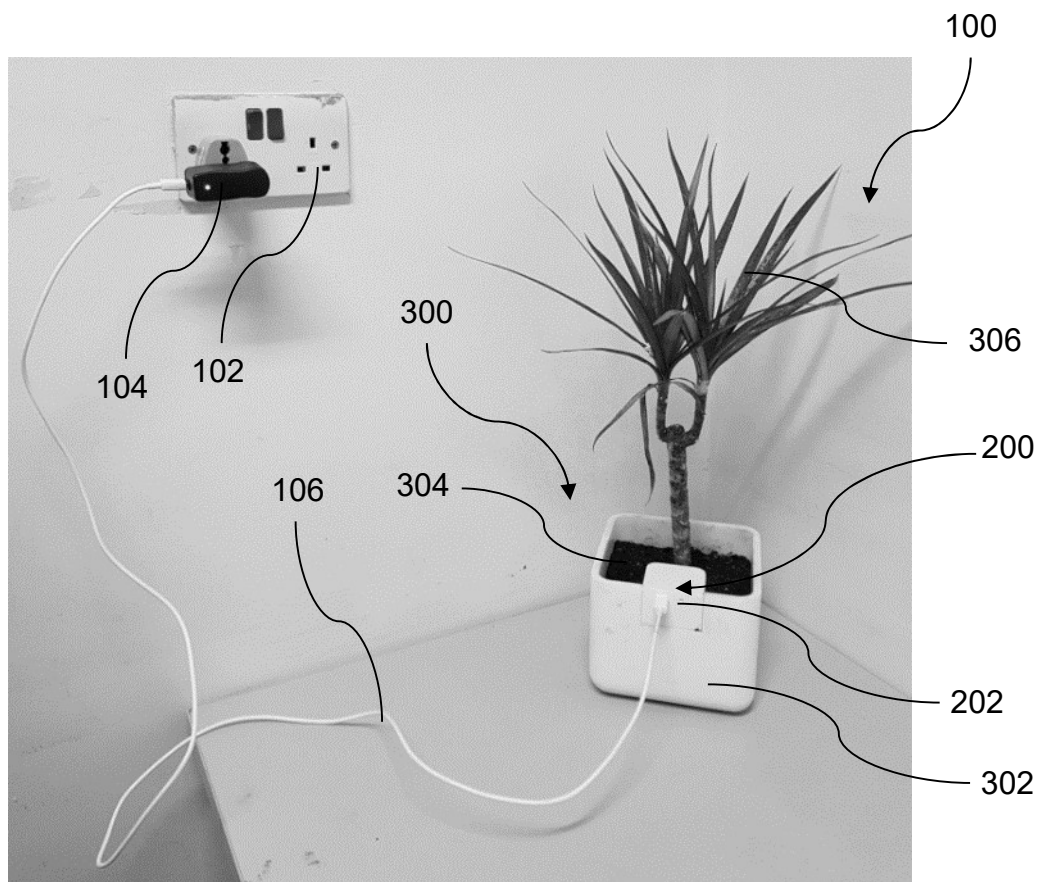


Figure 14B

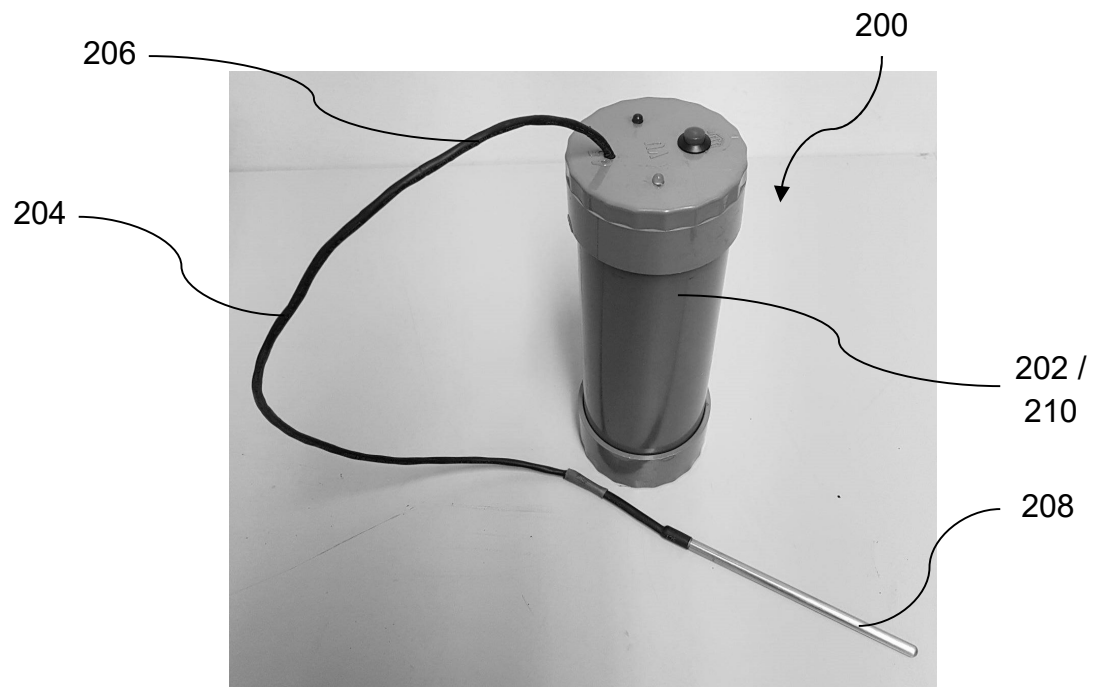


Figure 15A

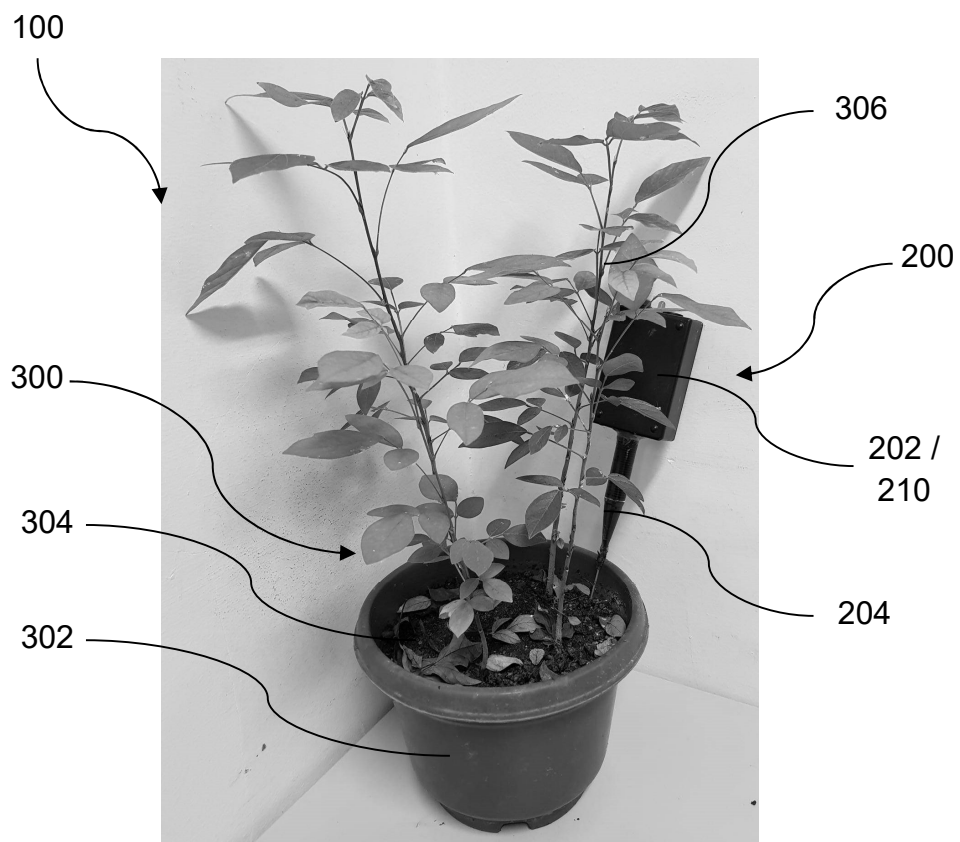


Figure 15B