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## Supporting Information

# **Size Dependent Effect of Graphene Quantum Dots for Plants Growth**

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**Supporting Table 1.** The mass change of Zephyranthes Grandiflora treated with different sizes of GQDs

days	$\Delta m$ g/m <sup>2</sup> None	$\Delta m$ g/m <sup>2</sup> 5nm	$\Delta m$ g/m <sup>2</sup> 10nm	$\Delta m$ g/m <sup>2</sup> 20nm	$\Delta m$ g/m <sup>2</sup> 30nm
1	0	0	0	0	0
2	1.02	1.01	1.17	1.00	0.57
3	1.09	0.63	1.13	1.09	0.61
4	1.02	1.04	1.15	0.76	1.01
5	1.05	1.00	1.25	0.94	1.2
6	1.07	1.31	1.31	0.83	0.92
7	0.85	1.22	1.12	0.70	1.26
8	1.03	1.46	1.18	0.95	1.42
9	1.07	1.29	1.11	0.95	0.69
10	1.18	1.37	1.55	1.01	0.97
11	1.08	1.25	1.09	0.91	1.24
12	1.26	1.29	1.39	1.24	1.15
13	1.24	1.31	1.26	1.17	1.08
14	1.28	1.15	1.48	1.17	1.13
15	1.21	1.32	1.26	1.15	1.12
16	1.31	1.27	1.64	1.22	1.15
17	1.32	1.49	1.57	1.08	1.08
18	1.35	1.38	1.65	1.10	1.11
19	1.43	1.35	1.59	1.40	1.17
20	1.32	1.47	1.68	1.03	1.23
21	1.43	1.33	1.72	1.15	1.16
22	1.37	1.35	1.81	1.20	1.06
23	1.41	1.42	1.43	1.26	1.15
24	1.35	1.36	1.63	1.28	1.13
25	1.49	1.45	1.68	1.41	1.31
26	1.42	1.41	1.51	1.32	1.28
27	1.41	1.40	1.77	1.22	1.35
28	1.40	1.51	1.55	1.36	1.24
29	1.42	1.44	1.53	1.32	1.29