

Supplementary materials

Table S1

Table S1 Effects of three plant growth retardants on the height of *M. alternifolia*

NO.	7d (cm)	14d (cm)	21d (cm)	28d (cm)	35d (cm)
P1	31.23±1.72 ^{AB}	32.43±0.85 ^{AB}	32.83±2.32 ^{AB}	32.90±2.19 ^{AB}	33.37±1.33 ^{BCD}
P2	30.17±1.63 ^{ABC}	31.10±1.08 ^{AB}	33.00±0.96 ^{AB}	33.13±1.51 ^{AB}	36.33±0.74 ^A
P3	27.37±0.96 ^C	30.03±1.12 ^B	30.73±1.93 ^B	30.20±2.31 ^B	29.80±1.28 ^E
P4	28.3±1.61 ^{BC}	30.73±0.90 ^{AB}	31.20±1.28 ^B	31.80±0.90 ^{AB}	32.20±0.46 ^{CDE}
S1	29.53±0.38 ^{ABC}	32.57±1.55 ^{AB}	32.93±0.74 ^{AB}	32.93±0.74 ^{AB}	34.23±0.51 ^{ABCD}
S2	28.60±0.85 ^{ABC}	30.10±0.87 ^B	31.07±1.14 ^B	31.47±0.65 ^{AB}	31.63±1.70 ^{DE}
S3	28.27±2.20 ^{BC}	30.20±2.59 ^B	31.43±2.68 ^{AB}	31.53±2.97 ^{AB}	31.77±2.10 ^{CDE}
S4	29.20±0.61 ^{ABC}	31.40±0.80 ^{AB}	32.40±0.82 ^{AB}	32.70±0.53 ^{AB}	33.43±0.50 ^{BCD}
C1	31.13±0.15 ^{AB}	33.57±0.61 ^A	34.97±1.19 ^A	35.20±1.13 ^A	35.77±0.91 ^{AB}
C2	31.73±1.25 ^A	32.83±0.86 ^{AB}	33.63±0.93 ^{AB}	34.03±1.44 ^{AB}	34.37±0.59 ^{ABC}
C3	30.77±0.95 ^{AB}	31.90±0.60 ^{AB}	32.33±1.12 ^{AB}	32.53±1.14 ^{AB}	32.80±0.78 ^{CD}
C4	30.93±0.32 ^{AB}	32.30±0.78 ^{AB}	33.47±0.71 ^{AB}	33.90±0.21 ^{AB}	34.03±0.12 ^{ABCD}
CK	30.90±1.01 ^{AB}	31.63±1.08 ^{AB}	33.37±0.86 ^{AB}	33.83±0.59 ^{AB}	34.27±0.68 ^{ABCD}

Note: Different letters followed the mean indicate significance at $P < 0.01$ according to Duncan's multiple range test, the same below.

Table S2

Table S2 Effects of three plant growth retardants on the roughness of *M. alternifolia*

NO.	7d (cm)	14d (cm)	21d (cm)	28d (cm)	35d (cm)
P1	0.2873±0.0309 ^A	0.3037±0.0318 ^A	0.3177±0.0211 ^A	0.3183±0.0376 ^A	0.3353±0.0267 ^A
P2	0.2660±0.0160 ^A	0.2727±0.0254 ^A	0.2810±0.0121 ^A	0.2930±0.0062 ^A	0.2943±0.0095 ^A
P3	0.3097±0.0622 ^A	0.3277±0.0114 ^A	0.3297±0.0254 ^A	0.3390±0.0055 ^A	0.3457±0.0419 ^A
P4	0.2971±0.0051 ^A	0.3143±0.0286 ^A	0.3243±0.0346 ^A	0.3315±0.0043 ^A	0.3386±0.0324 ^A
S1	0.2717±0.0461 ^A	0.2917±0.0258 ^A	0.2963±0.0526 ^A	0.3113±0.0318 ^A	0.3237±0.0337 ^A
S2	0.2963±0.0390 ^A	0.3207±0.0186 ^A	0.3283±0.0247 ^A	0.3330±0.0079 ^A	0.3437±0.0843 ^A
S3	0.2800±0.0046 ^A	0.2953±0.0206 ^A	0.3220±0.0517 ^A	0.3310±0.0104 ^A	0.3410±0.0255 ^A
S4	0.2793±0.0032 ^A	0.2843±0.0366 ^A	0.3120±0.0633 ^A	0.3223±0.0146 ^A	0.3285±0.0320 ^A
C1	0.2670±0.0128 ^A	0.2803±0.0386 ^A	0.2893±0.0145 ^A	0.2973±0.0280 ^A	0.3057±0.0180 ^A
C2	0.2837±0.0078 ^A	0.2900±0.0262 ^A	0.2950±0.0115 ^A	0.3020±0.0142 ^A	0.3197±0.0119 ^A
C3	0.3087±0.0675 ^A	0.3190±0.0396 ^A	0.3207±0.0306 ^A	0.3263±0.0405 ^A	0.3373±0.0174 ^A
C4	0.3093±0.0042 ^A	0.3203±0.0216 ^A	0.3240±0.0035 ^A	0.3315±0.0046 ^A	0.3392±0.0128 ^A
CK	0.2640±0.0082 ^A	0.2777±0.0139 ^A	0.2873±0.0035 ^A	0.2970±0.0120 ^A	0.2997±0.0144 ^A

Table S3

Table S3 Effects of different plant growth retardants on leaf morphology of *M. alternifolia*

NO.	Leaf length (cm)	Leaf width (cm)	Leaf area (cm ²)
P1	1.166±0.13 ^{ABCDE}	0.104±0.01 ^{AB}	0.098±0.02 ^{ABCD}
P2	0.992±0.07 ^{DE}	0.102±0.01 ^{AB}	0.080±0.01 ^{BCD}
P3	1.272±0.07 ^{AB}	0.122±0.01 ^A	0.120±0.02 ^A
P4	1.103±0.08 ^{ABCDE}	0.100±0.02 ^{AB}	0.110±0.01 ^{AB}
S1	1.306±0.19 ^A	0.118±0.01 ^A	0.116±0.02 ^A
S2	1.190±0.08 ^{ABCD}	0.102±0.01 ^{AB}	0.100±0.02 ^{ABCD}
S3	1.026±0.08 ^{CDE}	0.096±0.03 ^{AB}	0.076±0.01 ^{CD}
S4	1.012±0.12 ^{CDE}	0.094±0.01 ^{AB}	0.071±0.02 ^{CD}
C1	1.074±0.11 ^{BCDE}	0.106±0.02 ^{AB}	0.078±0.02 ^{BCD}
C2	1.020±0.20 ^{CDE}	0.104±0.02 ^{AB}	0.076±0.03 ^{CD}
C3	0.964±0.13 ^{DE}	0.088±0.01 ^B	0.072±0.02 ^{CD}
C4	0.943±0.09 ^E	0.086±0.02 ^B	0.067±0.03 ^D
CK	1.224±0.19 ^{ABC}	0.102±0.02 ^{AB}	0.104±0.03 ^{ABC}

Table S4

Table S4: Effects of three plant growth retardants on the Chlorophyll content of *M. alternifolia*

NO.	Ca (mg·g ⁻¹)	Cb (mg·g ⁻¹)	C (a+b) (mg·g ⁻¹)	Car (mg·g ⁻¹)	Chl a/b
P1	1.5985±0.2541 ^{CD}	0.4923±0.0920 ^C	2.0900±0.3487 ^C	0.1598±0.0254 ^{CD}	3.2604±0.1078 ^{ABC}
P2	1.8326±0.1933 ^{BCD}	0.5728±0.0824 ^{BC}	2.4067±0.2715 ^{BC}	0.1833±0.0194 ^{BCD}	3.2115±0.1455 ^{ABC}
P3	1.8251±0.0524 ^{BCD}	0.5483±0.0160 ^{BC}	2.3733±0.0702 ^{BC}	0.1825±0.0052 ^{BCD}	3.3290±0.0279 ^{AB}
P4	1.6301±0.0541 ^{CD}	0.5275±0.0264 ^B	2.1575±0.0623 ^C	0.1630±0.0541 ^{CD}	3.0901±0.0279 ^{BC}
S1	2.0417±0.0855 ^{AB}	0.6616±0.0498 ^{AB}	2.7033±0.1332 ^{AB}	0.2042±0.0085 ^{AB}	3.0917±0.1246 ^{BC}
S2	1.9005±0.0626 ^{ABC}	0.5998±0.0186 ^{ABC}	2.5033±0.0802 ^{ABC}	0.1900±0.0063 ^{ABC}	3.1686±0.0517 ^{ABC}
S3	1.5790±0.0409 ^{CD}	0.5146±0.0158 ^C	2.0933±0.0551 ^C	0.1579±0.0041 ^{CD}	3.0692±0.0836 ^C
S4	1.5643±0.0761 ^D	0.4973±0.0319 ^C	2.0615±0.0087 ^C	0.1564±0.0124 ^D	3.1456±0.0643 ^{ABC}
C1	1.6107±0.0711 ^{CD}	0.4782±0.0292 ^C	2.0889±0.1041 ^C	0.1611±0.0071 ^{CD}	3.3680±0.0808 ^A
C2	2.1774±0.1220 ^A	0.7187±0.0667 ^A	2.8967±0.1872 ^A	0.2177±0.0122 ^A	3.0362±0.1071 ^C
C3	1.6847±0.1429 ^{CD}	0.4962±0.0519 ^C	2.1833±0.1966 ^C	0.1685±0.0143 ^{CD}	3.3995±0.0661 ^A
C4	1.5893±0.0306 ^{CD}	0.4810±0.0381 ^C	2.0702±0.0551 ^C	0.1589±0.0314 ^{CD}	3.3042±0.0628 ^{AB}
CK	1.5563±0.0767 ^D	0.4771±0.0251 ^C	2.0333±0.1002 ^C	0.1556±0.0077 ^D	3.2628±0.0888 ^{ABC}

Table S5

Table S5 Leaf anatomical structure of *M. alternifolia* with different plant growth retardants

No.	Leaf thickness	Upper epidermis	Lower epidermis	Upper palisade tissue	Lower palisade tissue	Sponge tissue	Mesophyll tissue
	(μm)	thickness (μm)	thickness (μm)	thickness (μm)	thickness (μm)	thickness (μm)	thickness (μm)
P1	150.04 \pm 5.63 ^G	9.83 \pm 1.25 ^B	6.77 \pm 0.45 ^C	41.14 \pm 3.62 ^C	31.14 \pm 2.60 ^E	46.68 \pm 6.54 ^F	126.38 \pm 7.65 ^G
P2	169.32 \pm 4.70 ^{EF}	10.43 \pm 0.67 ^{AB}	8.84 \pm 0.55 ^{AB}	52.48 \pm 4.44 ^{AB}	33.98 \pm 2.40 ^{DE}	62.02 \pm 4.44 ^E	147.93 \pm 2.98 ^{EF}
P3	204.63 \pm 7.51 ^A	11.80 \pm 1.92 ^{AB}	10.31 \pm 0.61 ^A	55.88 \pm 6.82 ^A	43.05 \pm 3.08 ^A	97.68 \pm 2.04 ^A	176.41 \pm 6.99 ^A
P4	183.22 \pm 5.52 ^{BCDE} E	11.30 \pm 2.01 ^{AB}	9.83 \pm 0.37 ^{AB}	47.85 \pm 6.26 ^{ABC}	40.36 \pm 2.54 ^{AB}	77.60 \pm 3.89 ^D	159.44 \pm 2.14 ^{BCDE}
S1	199.76 \pm 9.84 ^{AB}	10.59 \pm 1.69 ^{AB}	9.18 \pm 1.19 ^{AB}	52.09 \pm 6.59 ^{AB}	39.82 \pm 1.66 ^{ABCD}	97.72 \pm 7.22 ^A	174.74 \pm 10.15 ^{AB}
S2	186.19 \pm 12.96 ^{AB} CDE	12.19 \pm 1.28 ^{AB}	9.88 \pm 2.08 ^{AB}	48.33 \pm 4.89 ^{ABC}	30.91 \pm 3.80 ^E	91.45 \pm 6.29 ^{AB}	171.46 \pm 9.57 ^{ABC}
S3	179.71 \pm 9.11 ^{CDE}	11.87 \pm 1.74 ^{AB}	9.07 \pm 0.92 ^{AB}	45.78 \pm 1.66 ^{ABC}	38.77 \pm 4.10 ^{ABCD}	79.51 \pm 5.93 ^{CD}	155.43 \pm 6.15 ^{DEF}
S4	176.26 \pm 9.25 ^{DEF}	11.21 \pm 1.03 ^{AB}	8.15 \pm 1.24 ^{BC}	43.93 \pm 5.56 ^{BC}	35.98 \pm 1.99 ^{BCDE}	83.86 \pm 6.42 ^{BCD}	160.73 \pm 5.84 ^{BCDE}
C1	193.14 \pm 16.82 ^{AB} CD	12.41 \pm 1.45 ^A	10.29 \pm 1.36 ^{AB}	52.50 \pm 2.34 ^{AB}	39.29 \pm 2.12 ^{ABC}	90.10 \pm 7.83 ^{AB}	168.63 \pm 13.56 ^{ABCD}
C2	197.82 \pm 11.88 ^{AB} C	11.04 \pm 1.47 ^{AB}	9.79 \pm 1.51 ^{AB}	49.10 \pm 1.75 ^{ABC}	34.49 \pm 2.82 ^{CDE}	94.52 \pm 9.36 ^A	176.86 \pm 10.65 ^A
C3	191.00 \pm 9.22 ^{ABC} D	11.24 \pm 1.35 ^{AB}	10.08 \pm 1.72 ^{AB}	51.90 \pm 9.58 ^{AB}	35.94 \pm 4.92 ^{BCDE}	88.98 \pm 3.46 ^{ABC}	167.95 \pm 7.32 ^{ABCD}
C4	187.99 \pm 5.17 ^{ABC} D	10.85 \pm 1.77 ^{AB}	10.89 \pm 1.26 ^A	45.81 \pm 7.64 ^{ABC}	34.37 \pm 2.59 ^{CDE}	77.32 \pm 4.81 ^D	158.51 \pm 8.26 ^{CDEF}
CK	161.92 \pm 12.14 ^{FG}	10.15 \pm 0.84 ^{AB}	9.37 \pm 0.60 ^{AB}	49.38 \pm 6.70 ^{ABC}	38.55 \pm 4.55 ^{ABCD}	55.55 \pm 5.10 ^{EF}	144.08 \pm 11.54 ^F

Table S6

Table S6. Soluble sugar content of *M. alternifolia* treated with different PGRs in different periods (mg·g⁻¹)¹⁾

NO.	7d	14d	21d	28d	35d
P1	49.54±0.29 ^C	43.70±0.14 ^G	42.28±0.76 ^{BC}	46.07±0.55 ^B	43.50±0.90 ^E
P2	43.80±0.32 ^G	40.38±0.47 ^I	39.18±0.08 ^F	37.27±0.51 ^{FG}	39.81±0.69 ^G
P3	59.05±0.32 ^A	47.19±0.47 ^F	41.72±0.21 ^{CD}	43.71±0.49 ^C	43.88±0.59 ^E
P4	46.31±0.23 ^F	42.45±0.23 ^H	40.62±0.33 ^E	41.39±0.16 ^D	42.31±0.15 ^F
S1	48.46±0.49 ^D	52.71±0.38 ^B	42.85±0.51 ^B	37.70±0.58 ^F	43.72±0.47 ^E
S2	48.98±0.35 ^{CD}	54.84±0.37 ^A	45.89±0.43 ^A	51.03±0.26 ^A	55.78±0.18 ^A
S3	48.73±0.42 ^D	49.14±0.18 ^D	41.08±0.72 ^{DE}	38.19±0.37 ^F	49.46±0.47 ^B
S4	47.39±0.13 ^E	48.36±0.21 ^E	40.25±0.12 ^E	36.37±0.17 ^{GH}	41.42±0.37 ^F
C1	51.94±0.42 ^B	55.13±0.29 ^A	45.22±0.58 ^A	39.44±0.39 ^E	47.93±0.17 ^C
C2	48.94±0.29 ^{CD}	50.65±0.51 ^C	38.94±0.32 ^{FG}	39.25±0.53 ^E	46.02±0.43 ^D
C3	46.72±0.33 ^{EF}	50.04±0.08 ^C	38.08±0.47 ^G	37.87±0.29 ^F	45.44±0.68 ^D
C4	44.41±0.16 ^G	48.32±0.53 ^E	36.28±0.43 ^H	35.43±0.41 ^H	41.23±0.42 ^F
CK	41.26±0.34 ^H	44.08±0.07 ^G	34.10±0.55 ^I	32.97±0.58 ^I	39.45±0.48 ^G

Table S7

Table S7. Soluble protein content of *M. alternifolia* treated with different PGRs in different periods (mgprot·mL⁻¹)

NO.	7d	14d	21d	28d	35d
P1	0.1151±0.002 ^D	0.1648±0.002 ^{BC}	0.1320±0.001 ^{BC}	0.1435±0.002 ^C	0.1753±0.005 ^A
P2	0.1536±0.004 ^{AB}	0.1785±0.005 ^A	0.1535±0.005 ^A	0.1547±0.006 ^B	0.1760±0.002 ^A
P3	0.1462±0.001 ^B	0.1748±0.003 ^A	0.1379±0.001 ^B	0.1342±0.004 ^{DEF}	0.1750±0.005 ^A
P4	0.1342±0.002 ^C	0.1585±0.002 ^{DC}	0.1270±0.002 ^C	0.1245±0.003 ^G	0.1545±0.002 ^C
S1	0.1258±0.003 ^C	0.1471±0.002 ^{EF}	0.1165±0.002 ^D	0.1521±0.003 ^B	0.1718±0.003 ^{AB}
S2	0.1592±0.003 ^A	0.1667±0.003 ^B	0.1284±0.004 ^C	0.1748±0.005 ^A	0.1815±0.004 ^A
S3	0.1498±0.006 ^{AB}	0.1522±0.002 ^{DE}	0.1135±0.002 ^{DEF}	0.1394±0.002 ^{CD}	0.1645±0.007 ^B
S4	0.1318±0.004 ^C	0.1492±0.001 ^E	0.1095±0.003 ^{DEF}	0.1362±0.001 ^{CDE}	0.1543±0.003 ^C
C1	0.1542±0.002 ^{AB}	0.1607±0.002 ^{BC}	0.1145±0.004 ^{DE}	0.1296±0.002 ^{EFG}	0.1487±0.004 ^{CD}
C2	0.1320±0.001 ^C	0.1456±0.002 ^{EF}	0.1144±0.005 ^{DE}	0.1278±0.003 ^{FG}	0.1450±0.005 ^{CDE}
C3	0.1316±0.002 ^C	0.1411±0.003 ^{FG}	0.1099±0.004 ^{DEF}	0.1251±0.002 ^G	0.1391±0.005 ^{DE}
C4	0.1303±0.001 ^C	0.1385±0.003 ^{GH}	0.1075±0.003 ^{EF}	0.1242±0.004 ^G	0.1362±0.006 ^E
CK	0.1094±0.004 ^D	0.1335±0.006 ^H	0.1065±0.004 ^F	0.1227±0.003 ^G	0.1357±0.005 ^E

Table S8Table S8. MDA content of *M. treated with different PGRs in different periods* (nmol·g⁻¹)

NO.	7d	14d	21d	28d	35d
P1	10.99±3.29 ^F	21.04±2.31 ^{DE}	22.82±0.48 ^{DE}	13.76±3.41 ^{DE}	20.51±2.94 ^D
P2	20.57±1.90 ^{CDE}	30.35±3.23 ^C	24.07±3.30 ^{DE}	14.76±2.93 ^{CDE}	25.80±1.96 ^{BCD}
P3	8.37±1.42 ^F	19.94±2.21 ^E	20.72±2.04 ^E	8.53±3.75 ^E	20.36±1.27 ^D
P4	9.78±1.23 ^F	20.26±2.43 ^{DE}	21.57±2.43 ^{DE}	10.53±3.26 ^E	21.62±1.58 ^D
S1	19.94±2.75 ^{CDE}	28.21±3.46 ^C	27.37±3.70 ^{CD}	20.62±1.75 ^{BC}	29.41±2.43 ^{BC}
S2	16.22±1.16 ^E	17.01±2.68 ^E	21.66±3.66 ^{DE}	8.74±3.12 ^E	24.07±2.67 ^{CD}
S3	21.51±2.88 ^{CD}	25.59±1.36 ^{CD}	31.08±1.19 ^{BC}	22.34±3.79 ^B	28.47±2.75 ^{BC}
S4	22.13±1.26 ^{BCD}	29.44±2.02 ^C	33.43±3.02 ^{AB}	23.26±1.71 ^{AB}	30.57±3.16 ^B
C1	26.74±1.14 ^{AB}	53.58±3.16 ^B	37.31±3.18 ^A	20.93±0.65 ^{BC}	45.74±2.68 ^A
C2	23.34±2.54 ^{BC}	56.93±1.05 ^{AB}	27.26±2.35 ^{CD}	23.70±3.65 ^{AB}	43.22±1.95 ^A
C3	18.00±2.88 ^{DE}	57.14±3.40 ^{AB}	21.87±2.21 ^{DE}	19.83±3.30 ^{BCD}	46.42±2.81 ^A
C4	28.52±2.01 ^A	59.47±3.01 ^A	35.62±4.31 ^{AB}	24.53±2.57 ^{AB}	46.73±3.21 ^A
CK	30.19±1.02 ^A	54.16±1.90 ^{AB}	37.42±3.88 ^A	28.89±0.68 ^A	46.83±3.68 ^A

Table S9Table S9. SOD activity of *M. alternifolia* treated with different PGRs in different periods (U·g⁻¹)

NO.	7d	14d	21d	28d	35d
P1	3117.11±21.43 ^{DEFG}	3208.68±10.53 ^{BC}	3052.28±26.85 ^C	2974.08±6.90 ^E	3093.80±21.79 ^{CD}
P2	3088.68±5.48 ^G	3125.93±22.41 ^{DE}	3045.17±5.21 ^C	2968.39±5.81 ^E	3032.09±4.29 ^E
P3	3139.29±8.14 ^{DE}	3222.04±11.85 ^B	3127.63±21.82 ^B	3195.55±6.90 ^B	3206.88±10.34 ^B
P4	3126.75±11.42 ^{DEF}	3210.54±15.43 ^B	3075.42±10.19 ^C	3028.52±10.27 ^D	3123.81±10.58 ^C
S1	3109.43±12.39 ^{EFG}	3177.68±25.63 ^C	3058.25±11.16 ^C	2962.14±14.83 ^E	3070.19±19.55 ^D
S2	3288.86±16.64 ^A	3322.13±20.55 ^A	3281.75±13.73 ^A	3240.52±4.93 ^A	3249.91±18.40 ^A
S3	3125.64±12.57 ^{DEF}	3138.72±8.54 ^D	3107.44±6.95 ^B	2887.35±7.93 ^F	3005.64±15.50 ^E
S4	3106.28±15.58 ^{FG}	3112.43±12.26 ^{DEF}	3015.47±4.19 ^D	2862.53±8.36 ^{FG}	2968.42±11.41 ^{FG}
C1	3248.77±16.33 ^B	3099.20±7.82 ^{EF}	3059.10±15.52 ^C	3194.17±7.65 ^B	2973.23±8.59 ^F
C2	3183.65±15.00 ^C	3084.70±5.91 ^{FG}	3048.87±4.27 ^C	3132.18±29.43 ^C	2943.09±15.00 ^{FG}
C3	3142.14±18.72 ^D	3055.12±20.48 ^G	2902.42±14.98 ^E	3131.90±12.58 ^C	2935.69±29.03 ^G
C4	3097.41±7.63 ^{FG}	2984.17±9.88 ^H	2841.73±9.68 ^F	3026.47±10.68 ^D	2903.71±5.14 ^H
CK	2985.17±4.85 ^H	2945.93±5.00 ^I	2794.94±5.68 ^G	2853.23±16.46 ^G	2852.66±3.08 ^I

Table S10

Table S10.CAT activity of *M. alternifolia* treated with different PGRs in different periods (U·g⁻¹)

NO.	7d	14d	21d	28d	35d
P1	30.82±0.69 ^G	34.64±0.88 ^D	33.57±0.22 ^C	42.81±0.14 ^B	30.37±0.25 ^C
P2	29.55±0.53 ^{HI}	32.82±0.35 ^E	23.60±0.37 ^F	36.92±0.54 ^D	30.11±1.05 ^C
P3	46.63±0.63 ^A	47.93±0.95 ^B	44.01±0.35 ^A	44.73±0.41 ^A	32.66±0.75 ^B
P4	32.74±0.68 ^F	37.46±0.73 ^C	35.21±0.26 ^B	43.18±0.43 ^B	31.52±0.71 ^{BC}
S1	27.39±0.43 ^J	29.33±0.29 ^G	28.41±1.13 ^E	36.39±1.03 ^D	25.20±0.20 ^E
S2	43.19±0.57 ^B	51.61±0.79 ^A	44.58±0.67 ^A	45.86±1.03 ^A	43.37±0.47 ^A
S3	36.33±0.17 ^D	37.87±0.88 ^C	35.57±0.82 ^B	43.43±0.76 ^B	30.65±0.94 ^C
S4	29.26±0.16 ^{HI}	31.43±0.51 ^F	30.52±0.58 ^D	38.71±1.12 ^C	27.48±0.52 ^D
C1	39.13±0.22 ^C	26.92±0.22 ^H	44.55±0.19 ^A	32.36±0.27 ^E	23.28±0.87 ^F
C2	34.99±0.75 ^E	26.60±0.43 ^H	33.40±0.76 ^C	25.75±0.50 ^F	19.60±0.42 ^G
C3	30.37±0.54 ^{GH}	22.37±0.20 ^I	19.10±0.88 ^G	24.19±0.40 ^G	19.01±1.20 ^G
C4	28.61±0.63 ^I	21.16±0.42 ^{IJ}	18.75±0.42 ^G	21.46±0.43 ^H	18.68±0.62 ^G
CK	18.07±0.79 ^K	20.92±0.77 ^J	18.61±0.88 ^G	20.86±0.39 ^H	18.46±0.56 ^G

Table S11

Table S11.POD activity of *M. alternifolia* treated with different PGRs in different periods (U·g⁻¹)

NO.	7d	14d	21d	28d	35d
P1	30.37±1.71 ^{DE}	42.96±1.28 ^C	45.19±2.80 ^{CD}	38.52±0.64 ^{DE}	44.44±1.11 ^{BC}
P2	26.67±1.92 ^{EFGH}	42.59±1.28 ^C	43.96±2.31 ^D	36.30±0.64 ^E	37.78±1.92 ^{DE}
P3	44.44±1.11 ^A	45.93±3.39 ^{BC}	63.70±2.31 ^A	51.11±2.94 ^B	59.63±3.39 ^A
P4	32.41±1.67 ^{CD}	43.67±2.56 ^C	48.72±2.26 ^{BC}	41.27±2.13 ^D	45.19±1.28 ^{BC}
S1	37.78±1.11 ^B	44.44±2.94 ^C	33.33±4.01 ^E	30.37±2.31 ^F	34.07±1.70 ^{EF}
S2	43.33±3.33 ^A	61.48±1.28 ^A	51.11±1.11 ^B	46.67±1.11 ^C	48.89±2.94 ^B
S3	30.74±3.39 ^{DE}	48.89±1.11 ^B	50.37±2.31 ^B	44.81±0.64 ^C	45.19±2.80 ^{BC}
S4	29.47±2.62 ^{DEF}	45.27±2.23 ^{BC}	41.48±1.53 ^D	39.53±0.92 ^{DE}	40.26±1.67 ^{CD}
C1	35.93±1.70 ^{BC}	27.41±1.28 ^D	26.67±1.92 ^F	64.07±1.70 ^A	29.63±2.57 ^F
C2	27.78±1.11 ^{EFG}	26.93±2.31 ^D	24.81±0.64 ^F	40.00±1.92 ^{DE}	24.44±1.92 ^G
C3	25.93±0.64 ^{FGH}	24.44±0.64 ^{DE}	19.63±1.28 ^G	37.04±1.28 ^E	18.15±1.70 ^H
C4	25.13±1.61 ^{GH}	23.77±1.14 ^{DE}	16.41±1.78 ^G	32.47±1.85 ^F	15.28±2.62 ^{HI}
CK	23.33±1.11 ^H	21.48±2.31 ^E	11.48±2.80 ^H	24.07±2.31 ^G	12.22±2.22 ^I

Table S12

Table S12. Correlation analysis of physiological indexes of *M. alternifolia* under PP333 treatment

	Soluble sugar content	Soluble protein content	MDA content	SOD activity	CAT activity	POD activity
Soluble content sugar	1					
Soluble content protein	-0.016	1				
MDA content	-0.988*	0.157	1			
SOD activity	0.816	-0.125	-0.787	1		
CAT activity	0.627	-0.233	-0.605	0.960*	1	
POD activity	0.787	0.078	-0.728	0.978*	0.929	1

* At 0.05 level (two tailed), the correlation was significant,the same below.

** At 0.01 level (two tailed), the correlation was significant,the same below.

Table S13

Table S13. Correlation analysis of physiological indexes of *M. alternifolia* under S3307 treatment

	Soluble sugar content	Soluble protein content	MDA content	SOD activity	CAT activity	POD activity
Soluble content sugar	1					
Soluble content protein	0.785	1				
MDA content	-0.962*	-0.863	1			
SOD activity	0.823	0.939	-0.94	1		
CAT activity	0.927	0.695	-0.960*	0.854	1	
POD activity	0.84	0.341	-0.755	0.503	0.871	1

Table S14

Table S14. Correlation analysis of physiological indexes of *M. alternifolia* under CCC treatment

	Soluble content	sugar	Soluble protein content	MDA content	SOD activity	CAT activity	POD activity
Soluble content	sugar	1					
Soluble content	protein	0.901	1				
MDA content		-0.435	-0.558	1			
SOD activity		0.976*	0.943	-0.349	1		
CAT activity		0.758	0.865	-0.084	0.882	1	
POD activity		0.891	0.998**	-0.505	0.946	0.897	1

Table S15

Table S15. Content of endogenous hormones in leaves of *M. alternifolia* treated with PGRs (35d)

NO.	IAA (ng·g ⁻¹)	GA (ng·g ⁻¹)	ZT (ng·g ⁻¹)	ABA (ng·g ⁻¹)
P1	5.84±0.08 ^E	57.30±1.26 ^F	48.23±1.30 ^D	25.59±0.25 ^D
P2	8.23±0.09 ^A	93.28±1.33 ^A	58.44±0.79 ^A	21.18±0.41 ^H
P3	4.54±0.07 ^I	44.82±0.23 ^I	35.31±0.86 ^I	28.92±0.26 ^A
P4	5.16±0.02 ^G	53.71±0.27 ^G	41.36±0.58 ^{FGH}	26.75±0.36 ^C
S1	5.91±0.10 ^E	64.18±1.50 ^D	51.48±1.00 ^C	25.53±0.49 ^D
S2	4.69±0.08 ^{HI}	46.34±0.72 ^I	40.24±1.26 ^H	27.58±0.25 ^B
S3	4.81±0.05 ^H	51.31±0.64 ^H	40.86±1.08 ^{GH}	27.18±0.48 ^{BC}
S4	5.27±0.07 ^{FG}	58.83±0.29 ^{EF}	43.13±1.73 ^F	25.86±0.29 ^D
C1	6.92±0.10 ^C	75.19±0.78 ^B	57.71±1.11 ^A	22.47±0.33 ^G
C2	6.36±0.10 ^D	72.61±0.76 ^C	52.80±0.81 ^C	23.29±0.21 ^F
C3	5.36±0.05 ^F	57.08±0.92 ^F	42.73±1.13 ^{FG}	26.58±0.36 ^C
C4	5.42±0.06 ^F	60.43±0.73 ^E	45.25±0.91 ^E	24.01±0.12 ^E
CK	7.37±0.05 ^B	91.97±0.74 ^A	55.01±0.73 ^B	24.14±0.19 ^E

Table S16

Table S16. Correlation analysis of endogenous hormones in *M. alternifolia* under PP3333 treatment

	IAA content	GA content	ZT content	ABA content
IAA content	1			
GA content	0.993**	1		
ZT content	0.975*	0.947	1	
ABA content	-0.992**	-0.982*	-0.987*	1

Table S17

Table S17. Correlation analysis of endogenous hormones in *M. alternifolia* under S3307 treatment

	IAA content	GA content	ZT content	ABA content
IAA content	1			
GA content	0.965*	1		
ZT content	0.974*	0.891	1	
ABA content	-0.935	-0.984*	-0.832	1

Table S18

Table S18. Correlation analysis of endogenous hormones in *M. alternifolia* under CCC treatment

	IAA content	GA content	ZT content	ABA content
IAA content	1			
GA content	0.975*	1		
ZT content	0.993**	0.984*	1	
ABA content	-0.824	-0.883	-0.885	1

Table S19

Table S19. Ratio of different endogenous hormone contents in *M. alternifolia* leaves treated with PGRs

NO.	GA/ABA	IAA/ABA	ZT/ABA	(IAA+GA)/ABA	(IAA+GA+ZT)/ABA
P1	2.239±0.71 ^F	0.228±0.05 ^D	1.886±0.06 ^E	2.468±0.07 ^F	4.352±0.13 ^E
P2	4.405±0.13 ^A	0.388±0.03 ^A	2.759±0.02 ^A	4.793±0.13 ^A	7.552±0.14 ^A
P3	1.550±0.01 ^I	0.157±0.03 ^H	1.222±0.04 ^J	1.707±0.02 ^J	2.929±0.05 ^K
P4	2.008±0.07 ^G	0.193±0.02 ^F	1.546±0.02 ^{GH}	2.201±0.04 ^G	3.747±0.11 ^H
S1	2.514±0.05 ^E	0.231±0.06 ^D	2.016±0.01 ^D	2.746±0.06 ^E	4.762±0.06 ^D
S2	1.680±0.03 ^H	0.170±0.04 ^G	1.459±0.04 ^I	1.850±0.03 ^I	3.309±0.02 ^J
S3	1.888±0.04 ^G	0.177±0.16 ^G	1.503±0.01 ^{HI}	2.065±0.04 ^H	3.568±0.02 ^I
S4	2.275±0.13 ^F	0.204±0.10 ^E	1.668±0.03 ^F	2.479±0.02 ^F	4.147±0.13 ^F
C1	3.347±0.08 ^C	0.308±0.05 ^B	2.568±0.07 ^B	3.655±0.09 ^C	6.223±0.13 ^B
C2	3.117±0.04 ^D	0.273±0.01 ^C	2.267±0.02 ^C	3.390±0.04 ^D	5.657±0.06 ^C
C3	2.148±0.06 ^F	0.202±0.04 ^E	1.608±0.04 ^{FG}	2.350±0.06 ^F	3.957±0.07 ^G
C4	2.517±0.03 ^E	0.226±0.14 ^D	1.885±0.02 ^E	2.743±0.02 ^E	4.627±0.05 ^D
CK	3.809±0.05 ^B	0.305±0.08 ^B	2.279±0.16 ^C	4.115±0.06 ^B	6.393±0.07 ^B

Table S20-1

Table S20-1. Correlation analysis of physiological indexes and morphological indexes of *M. alternifolia* under PP333 treatment

	Soluble sugar content	Soluble protein content	MDA content	SOD activity	CAT activity	POD activity
Plant height	0.113	-0.482	-0.286	-0.136	0.46	-0.164
Stem diameter	-0.862	0.944	-0.049	0.945	0.582	0.828
New branch length	0.216	-0.329	0.658	0.133	0.432	-0.346
Leaf length	0.852	-0.971*	0.095	-0.895	-0.471	-0.838
Leaf width	- 0.990*	0.862	-0.541	0.92	0.813	0.969*
Leaf area	-0.932	0.737	-0.739	0.777	0.776	0.93

Table S20-2

Table S20-2. Correlation analysis of physiological indexes and morphological indexes of *M. alternifolia* under S3307 treatment

	Soluble sugar content	Soluble protein content	MDA content	SOD activity	CAT activity	POD activity
Plant height	0.339	-0.258	0.968*	0.997**	0.927	0.997**
Stem diameter	-0.853	0.895	0.002	0.127	-0.114	0.178
New branch length	-0.35	0.429	0.612	0.713	0.51	0.747
Leaf length	0.716	-0.774	-0.139	-0.285	-0.012	-0.326
Leaf width	-0.435	0.511	0.416	0.559	0.293	0.586
Leaf area	-0.792	0.835	-0.113	0.048	-0.241	0.083

Table S20-3

Table S20-3. Correlation analysis of physiological indexes and morphological indexes of *M. alternifolia* under CCC treatment

	Soluble sugar content	Soluble protein content	MDA content	SOD activity	CAT activity	POD activity
Plant height	-0.02	-0.203	0.157	0.195	0.476	0.386
Stem diameter	0.461	-0.822	0.823	0.873	0.809	0.966*
New branch length	0.775	-0.983*	0.978*	0.992**	0.972*	0.972*
Leaf length	-0.259	0.478	-0.436	-0.465	-0.71	-0.602
Leaf width	0.622	-0.902	0.908	0.94	0.842	0.958*
Leaf area	0.856	-0.914	0.932	0.919	0.761	0.774

Table S20-4

Table S20-4. Correlation analysis between endogenous hormones and morphological indexes of *M. alternifolia* under PP3333 treatment

	IAA content	GA content	ZT content	ABA content
Plant height	0.966*	0.946	0.992**	-0.990*
Stem diameter	-0.988*	-0.998**	-0.928	0.969*
New branch length	0.460	0.356	0.599	-0.469
Leaf length	-0.876	-0.895	-0.868	0.916
Leaf width	-0.544	-0.528	-0.652	0.645
Leaf area	-0.977*	-0.949	-1.000**	0.988*

Table S20-5

Table S20-5. Correlation analysis between endogenous hormones and morphological indexes of *M. alternifolia* under S3307 treatment

	IAA content	GA content	ZT content	ABA content
Plant height	0.972*	0.977*	0.897	-0.986*
Stem diameter	-0.959*	-0.986*	-0.870	0.996**
New branch length	0.649	0.432	0.793	-0.350
Leaf length	0.545	0.308	0.696	-0.242
Leaf width	0.731	0.535	0.860	-0.448
Leaf area	0.503	0.261	0.664	-0.189

Table S20-6

Table S20-6. Correlation analysis between endogenous hormones and morphological indexes of *M. alternifolia* under CCC treatment

	IAA content	GA content	ZT content	ABA content
Plant height	0.900	0.886	0.937	-0.945
Stem diameter	-0.995**	-0.949	-0.978*	0.770
New branch length	0.990**	0.936	0.973*	-0.762
Leaf length	0.981*	0.920	0.953*	-0.703
Leaf width	0.968*	0.972*	0.950*	-0.749
Leaf area	0.887	0.830	0.829	-0.483