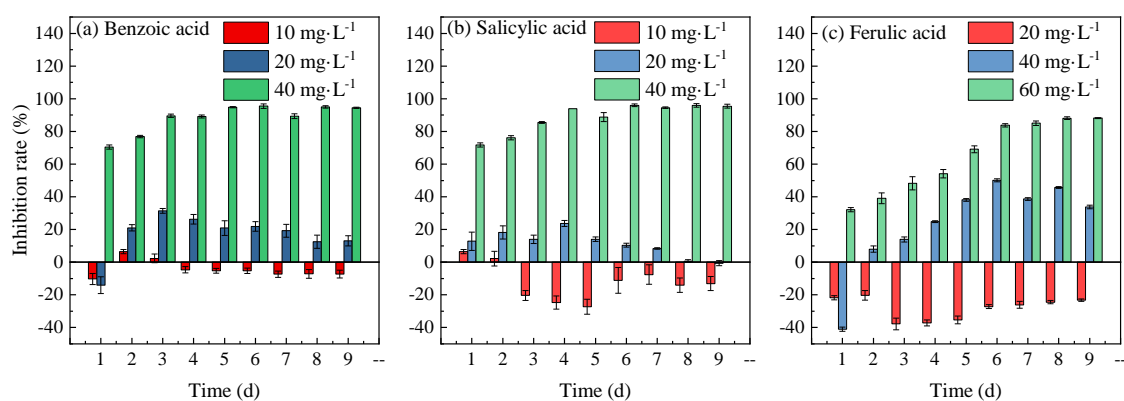


(A) Change of the cell density for the *M. aeruginosa* with different concentrations of phenolic acids.



(B) Inhibition rate of the *M. aeruginosa* with different concentrations of phenolic acids.

Figure S1. Effects of different concentrations of ferulic acid, salicylic acid and benzoic acid, respectively, on the growth of *M. aeruginosa*. The data were reported as mean \pm standard deviation.

Table S1. Targeted metabolomics analysis for the phenolic acids in the whole plant of water dropwort at juvenile stage

Chemicals ($\mu\text{g}\cdot\text{g}^{-1}$, FW)	Root	Stem	Leaf
Gallic acid	$0.3200 \pm 0.0010\text{b}$	$0.2553 \pm 0.1058\text{b}$	$3.2610 \pm 0.0090\text{a}$
Vanillic acid	$0.713 \pm 0.0090\text{b}$	$0.5150 \pm 0.0480\text{b}$	$4.5228 \pm 0.3128\text{a}$
Caffeic acid	$7.7050 \pm 0.5230\text{b}$	$2.9210 \pm 0.1210\text{c}$	$37.2612 \pm 1.5658\text{a}$
4-Hydroxycinnamic acid	$3.8575 \pm 0.2045\text{a}$	$1.7450 \pm 0.6495\text{a}$	$3.8125 \pm 0.2305\text{a}$
Ferulic acid	$11.0535 \pm 0.4375\text{b}$	$8.1765 \pm 0.2365\text{b}$	$15.1996 \pm 1.1453\text{a}$
Protocatechualdehyde	$0.2850 \pm 0.0250\text{b}$	$0.1230 \pm 0.0030\text{b}$	$0.8722 \pm 0.0562\text{a}$
4-Hydroxybenzoic acid	$1.3393 \pm 0.2315\text{a}$	$0.7445 \pm 0.0055\text{a}$	$1.2471 \pm 0.1164\text{a}$
Vanillin	$1.3397 \pm 0.2295\text{a}$	$0.7375 \pm 0.0255\text{a}$	$1.2886 \pm 0.1712\text{a}$
Syringaldehyde	$0.1527 \pm 0.0199\text{b}$	$0.1420 \pm 0.0484\text{b}$	$1.2763 \pm 0.0868\text{a}$
roxy-3,5-dimethoxycinnamic acid	$0.0600 \pm 0.0040\text{b}$	$0.0985 \pm 0.0135\text{b}$	$0.9310 \pm 0.1520\text{a}$
Phe(L-Phenylalanine)	$0.0185 \pm 0.0055\text{b}$	$0.0163 \pm 0.0023\text{b}$	$0.0679 \pm 0.0089\text{a}$
3,4-Dihydroxybenzoic acid	$0.0670 \pm 0.0080\text{b}$	$0.0797 \pm 0.031\text{b}$	$0.1653 \pm 0.0148\text{a}$
Syringic acid	$0.0675 \pm 0.0095\text{a}$	$0.0183 \pm 0.0030\text{b}$	$0.1034 \pm 0.0034\text{a}$
Benzoic acid	$0.1390 \pm 0.0169\text{a}$	$0.0867 \pm 0.0148\text{b}$	$0.1407 \pm 0.0082\text{a}$
Trans-Cinnamic acid	$0.0153 \pm 0.0029\text{b}$	$0.0185 \pm 0.0005\text{b}$	$0.1175 \pm 0.0165\text{a}$
L-Epicatechin	$0.0017 \pm 0.0003\text{a}$	$0.0003 \pm 0.0003\text{b}$	$0.0015 \pm 0.0003\text{a}$
Salicylic acid	$0.0210 \pm 0.0068\text{b}$	$0.0130 \pm 0.0038\text{b}$	$0.0453 \pm 0.0085\text{a}$
Hydrocinnamic acid	$0.04750 \pm 0.0015\text{a}$	$0.0017 \pm 0.0003\text{c}$	$0.0116 \pm 0.0003\text{b}$

Note: Lowercase letters indicate the significant difference of the same phenolic acid in different organs. Plus and minus signs indicate standard deviation.