

Supplementary Materials

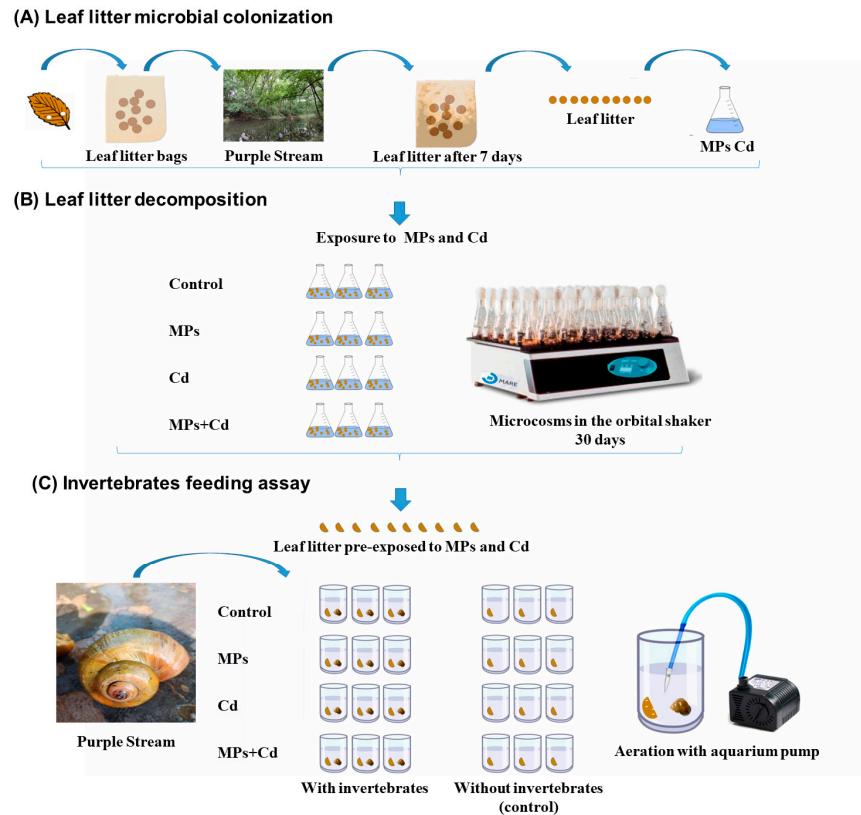


Figure S1. Experimental setup and flow.

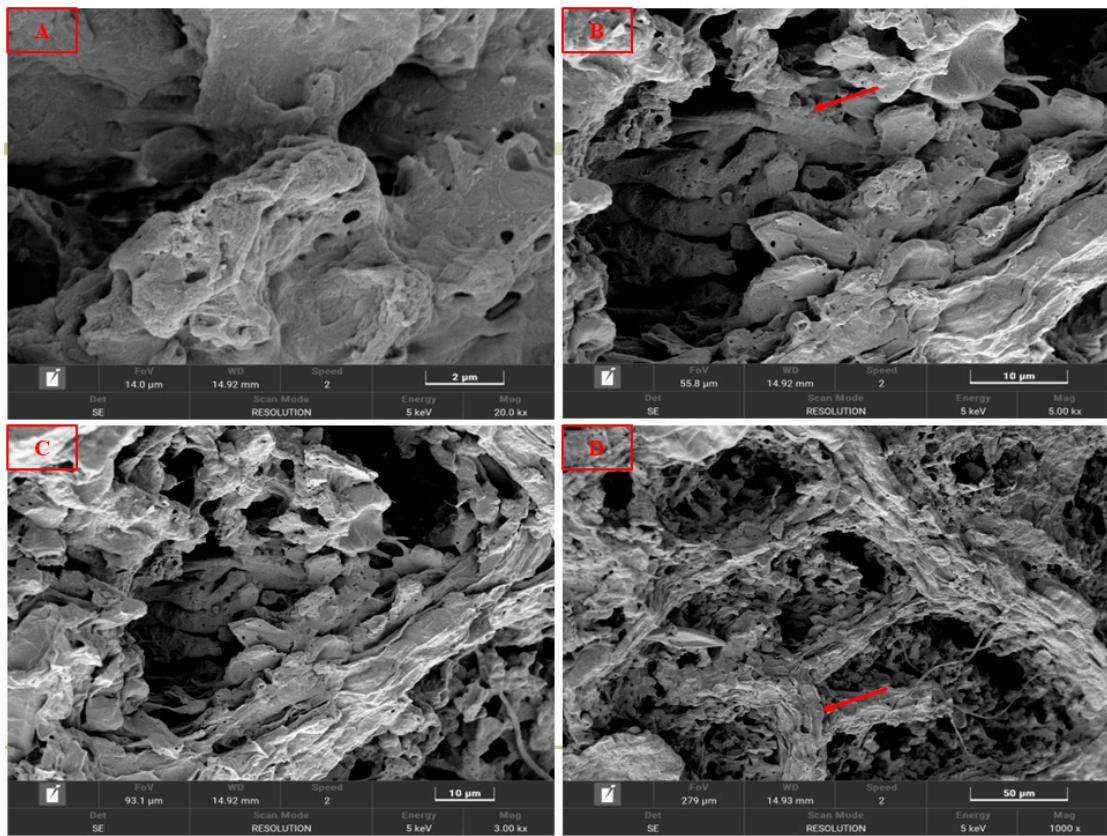


Figure S2. SEM images of litter surface structure. The red arrows in Figure B and D point to microplastic particles.

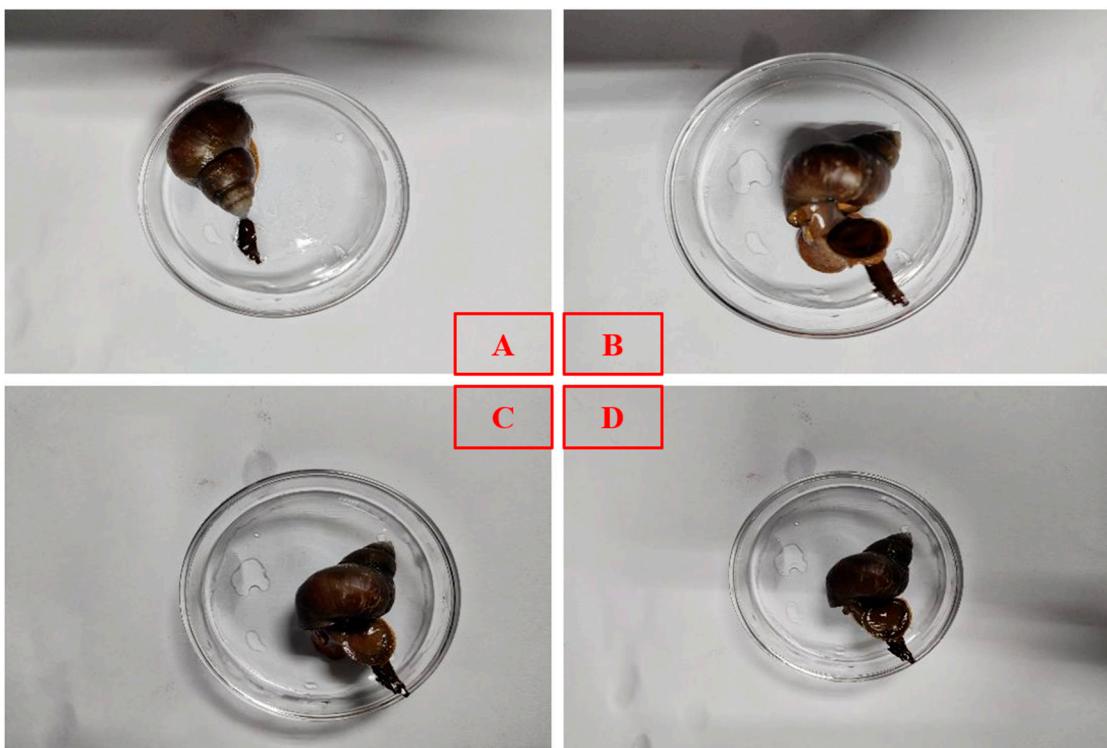


Figure S3. Feeding process of *Cipangopaludina chinensis*. (A) Near litter; (B) Open mouse; (C) Bite litter; (D) Chew litter.

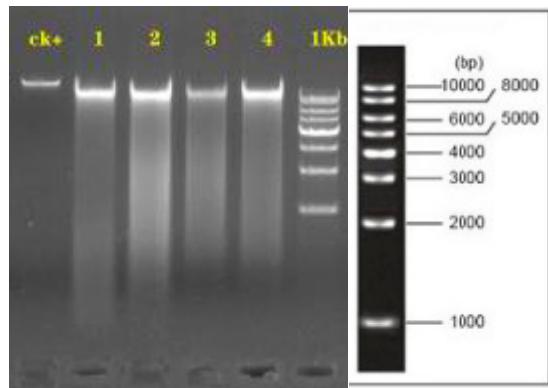


Figure S4. Agarose gel electrophoresis detection and band distribution diagram.

Table S1. Physicochemical properties of Zijin Mountain stream water.

Index	Value
Temperature	22.8 °C
pH	7.5
Conductivity	680.1 µs/cm
Dissolved Oxygen	8.16 mg/L
Redox Potential	77.3 mV

Table S2. Experimental setup.

Group	Micropollutant	Concentration (µg/L)
A	Control	0
B	MPs	30
C	Cd	15
D	MPs+Cd	30+15

Table S3. PCR primer information.

Sequencing region	Primer name	Primer sequence
ITS1F_ITS2R	ITS1F	CTTGGTCATTAGAGGAAGTAA
	ITS2R	GCTGCGTTCTTCATCGATGC