

Table S1: Contamination level assessment indices

Eq.	Index	Depiction and objectives	Principle	Explanation	Pollution degree criteria
1.	Contamination factor (CF)	CF is used to estimate the MPs contamination.	$CF = \frac{C_{(sample)}}{C_{(background)}}$	Here, $C_{(sample)}$ is the concentration of MPs, $C_{(background)}$ is the background concentration of MPs.	CF<1: Low contamination 1<CF<3: Moderate contamination 3<CF<6: Considerable contamination CF>6: Very high pollution
2.	Degree of contamination (CD)	CD is used to evaluate MPs	$CD = \sum CF$	Here, CF is the contamination factor which is determined by Eq. 1.	CD < 5: low 5<CD<10: moderate 10<CD<20: considerable 20>CD: very high
3.	Pollution Load Index (PLI)	PLI can be used for assessing of comparison of contamination status among the study sites.	$PLI = \sqrt[n]{CF_1 \times CF_2 \times CF_3 \times \dots \times CF_n}$	Here, n is the total number of samples, and CF is calculated as described in the earlier equation (Eq. 1).	PLI<1: No pollution; PLI>1: Polluted