Supplementary Material

Impacts of Tobacco Stalk Biochar Remediation in Microplastic Contaminated Soil on Early Rice Growth Indicators and Soil Quality

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Table S1. Results of two-way ANOVA on soil pH and organic matter (SOM) in response to TSB and PE-MPs. "PE-MPs × TSB" denotes the interaction effect between PE-MPs and TSB.

Variables	Source	Sum of Squares	F	Significance
pH	PE-MPs	1.083	46.211	0.000
	TSB	7.554	322.307	0.000
	PE-MPs × TSB	0.101	1.439	0.213
SOM	PE-MPs	119.473	2.121	0.117
	TSB	15437.890	274.080	0.000
	PE-MPs × TSB	655.131	3.877	0.002

Table S2. Results of two-way ANOVA on soil available nutrients in response to TSB and PE-MPs. "PE-MPs × TSB" denotes the interaction effect between PE-MPs and TSB.

Variables	Source	Sum of Squares	F	Significance
SAN	PE-MPs	1113.777	184.346	0.000
	TSB	334.584	55.379	0.000
	PE-MPs × TSB	86.419	4.768	0.000
SAP	PE-MPs	5336.525	296.114	0.000
	TSB	14218.364	788.951	0.000
	PE-MPs × TSB	797.181	14.745	0.000
SAK	PE-MPs	4539.372	628.382	0.000
	TSB	11730.022	1623.778	0.000
	PE-MPs × TSB	551.375	25.442	0.000

Table S3. Results of two-way ANOVA on growth parameters of rice seedling in response to TSB and PE-MPs. "PE-MPs × TSB" denotes the interaction effect between PE-MPs and TSB.

Variables	Source	Sum of Squares	F	Significance
Germination rate	PE-MPs	2699.074	24.292	0.000
	TSB	4165.741	37.492	0.000
	PE-MPs × TSB	415.741	1.247	0.303
Vigour index	PE-MPs	537019.338	29.610	0.000
	TSB	3665996.394	202.131	0.000
	PE-MPs × TSB	133877.742	2.461	0.029
Stress tolerance index	PE-MPs	2112.039	46.667	0.000
	TSB	14864.632	328.445	0.000
	PE-MPs × TSB	744.258	5.482	0.000

Table S4. Results of two-way ANOVA on physiological properties of rice seedling in response to TSB and PE-MPs. "PE-MPs × TSB" denotes the interaction effect between PE-MPs and TSB.

Variables	Source	Sum of Squares	F	Significance
SOD	PE-MPs	3180.980	66.453	0.000
	TSB	1127.905	23.563	0.000
	PE-MPs × TSB	1043.185	7.264	0.000
CAT	PE-MPs	298.103	153.671	0.000
	TSB	504.392	260.011	0.000
	PE-MPs × TSB	352.539	60.577	0.000