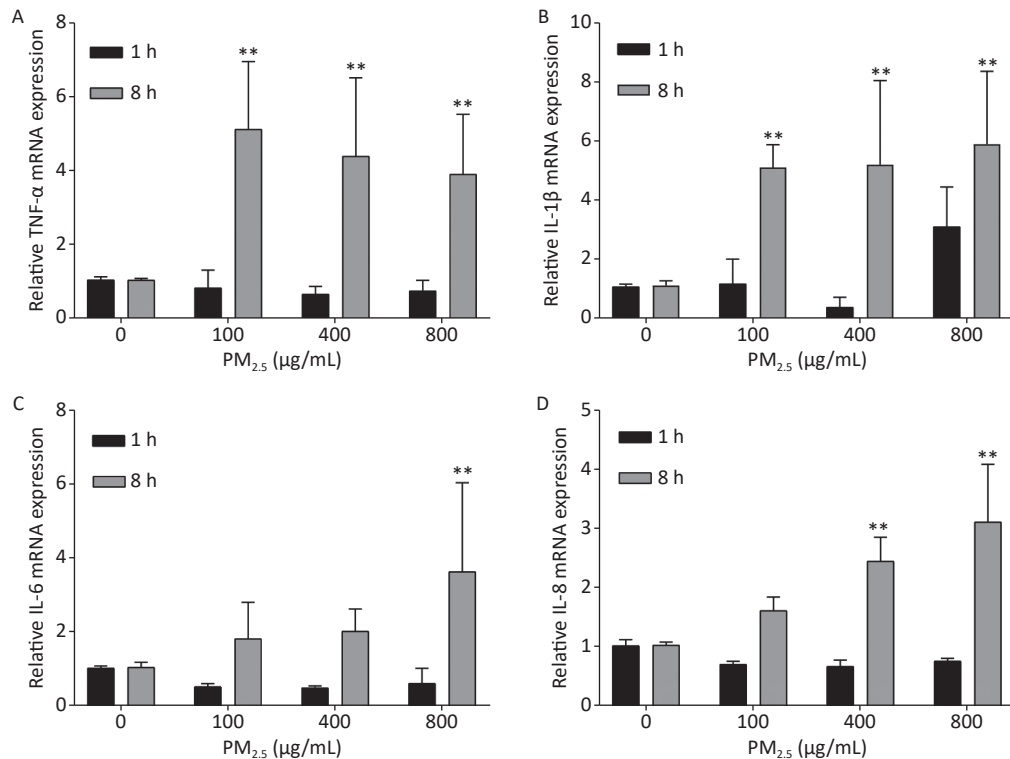
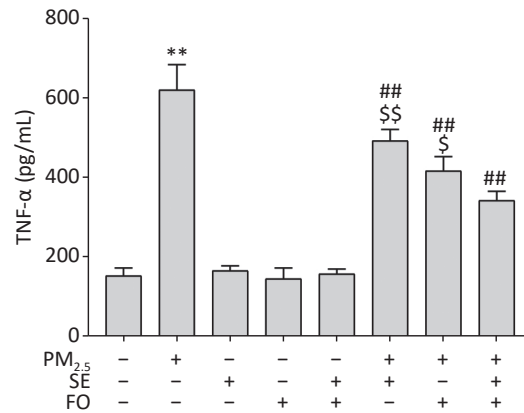


Supplementary Figure S1. Changes in CAT activities (A, C) and MDA contents (B, D) in A549 cells. Cells were exposed to various concentrations of PM_{2.5} for 24 h with or without SE, FO, or SE+FO pretreatments for 24 h. Means ± SD, *n* = 3. **P* < 0.05, ***P* < 0.01 vs. normal control; ###*P* < 0.01 vs. PM_{2.5} control. [§]*P* < 0.05, ^{§§}*P* < 0.01 vs. SE+FO treatment.



Supplementary Figure S2. Inflammatory responses of A549 cells exposed to various concentrations of PM_{2.5}. Means ± S.D., *n* = 3. **P* < 0.05, ***P* < 0.01 vs. normal control.



Supplementary Figure S3. TNF- α contents in A549 cells pretreated with SE, FO, or SE+FO 24 h before exposure to PM_{2.5} for 24 h. Means \pm S.D., $n = 3$. ** $P < 0.01$ vs. normal control; ## $P < 0.01$ vs. PM_{2.5} control. $^{\$}P < 0.05$, $^{\$\$}P < 0.01$ vs. SE+FO treatment.

Supplementary Table S1. Profiles of fatty acids in SE, FO, and SE+FO

NO	Fatty acid	Fatty acid/total fatty acids (%)		
		SE	FO	SE+FO
1	14:0	—	0.0538	0.0207
2	16:1	8.1126	14.6822	9.6212
3	16:0	53.7063	29.2863	44.9114
4	18:3	17.0647	0.5320	10.8998
5	18:2	18.3551	0.8918	13.2803
6	18:1	2.2616	12.2659	6.2254
7	20:5	—	22.6366	7.9112
8	20:4	—	1.9399	0.4883
9	20:2	0.3548	0.1704	0.1001
10	20:1	—	1.4662	0.4735
11	20:0	0.0618	0.5033	0.2094
12	22:6	—	12.6997	5.0835
13	22:1	—	1.8172	0.6692
14	22:0	—	0.1707	0.0724

Note. —: not detected.

Supplementary Table S2. Primer sequences for qPCR

Genes	Forward (5'→3')	Reverse (5'→3')
β -Actin	CTCCATCCTGGCCTCGTGT	GCTGTCACCTCACCCTTCC
TNF- α	CTGCACTTTGGAGTGATCGG	AACATGGGCTACAGGCTTGT
IL-1 β	GCTCGCCAGTGAATGATGG	AGATTCGTAGCTGGATGCCG
IL-6	ACTCACCTCTCAGAACGAATTG	CCATCTTTGGAAGTTTCAGGTTG
IL-8	AACGAGAGTGATTGAGAGTGGAC	AACCTCTGCACCCAGTTTTC